

**2022 ANNUAL GROUNDWATER MONITORING  
AND CORRECTIVE ACTION REPORT  
CLASS 3 LANDFILL  
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 Class 3 Landfill 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 17 April 2015 (CCR Rule), specifically subsection § 257.90(e)(1) through (6).

The CGS Class 3 Landfill began operations and placement of CCR in December 2015 in accordance with permits and plans approved by South Carolina Department of Health and Environmental Control (SCDHEC). The Class 3 Landfill is an existing CCR landfill that is located immediately adjacent to and abuts the eastern slope of the closed Class 2 Landfill. The Class 2 Landfill top deck and east and west slopes are covered by a high-density polyethylene (HDPE) liner that will also serve as the bottom liner of the Class 3 Landfill as it is built out. In addition to the federal CCR rule groundwater monitoring program discussed throughout, a SCDHEC-approved groundwater monitoring program is also being implemented to comply with the Class 3 Landfill SCDHEC Permit #LF3-00007.

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

At the start of the current annual reporting period (January 1, 2022), the CGS Class 3 Landfill continued to operate under a detection monitoring program in accordance with § 257.94. A successful alternate source demonstration (ASD) was certified April 2018 which concluded the closed Class 2 Landfill, located immediately adjacent to and upgradient of the Class 3 Landfill, is responsible for the Appendix III SSIs.

Statistically significant increases (SSI) of chloride were identified in monitoring wells CLF1B-2 and CLF1B-4 during the January and June 2022 sampling events which is consistent with previous findings. New SSIs were identified for boron in monitoring wells CLF1B-3 and CLF1B-5 and fluoride in monitoring well CLF1B-3 in the June 2022 sampling.

At the end of the current annual reporting period (December 31, 2022), the Class 3 Landfill remained in detection monitoring, pending the outcome of a subsequent ASD to be completed in 2023. Therefore, the remaining groundwater requirements (i.e., to initiate assessment monitoring, identify Appendix IV SSLs and establish groundwater protection standards, initiate and complete an assessment of corrective measures, hold a public meeting, select a corrective action remedy, and implement remedial activities) are not applicable.

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

## 2. 40 CFR § 257.90 Applicability

### 2.1 40 CFR § 257.90(a) and (c)

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

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

The CGS Class 3 Landfill is subject to the groundwater monitoring and corrective action requirements set forth by the EPA in § 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.

#### **4.2 40 CFR § 257.90(e) - SUMMARY**

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

This Annual Report documents the activities completed in 2022 for the CGS Class 3 Landfill as required by the 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, set forth in § 257.94, is provided in this report.

##### **2.2.1 Status of the Groundwater Monitoring and Corrective Action Program**

SSIs of Appendix III constituents were initially identified downgradient of the Class 3 Landfill, and the notification was provided on January 15, 2018. Because this relatively new and fully lined landfill first received waste in 2015, an evaluation of alternate sources was conducted, and the successful ASD was certified in April 2018. The ASD concluded that the closed Class 2 Landfill, located immediately adjacent to and upgradient of the Class 3 Landfill, is responsible for the Appendix III SSIs.

In 2022, an SSI of chloride was identified in monitoring wells CLF1B-2 and CLF1B-4 during both the January and June sampling events which was consistent with historical findings. New SSIs of boron were identified in monitoring wells CLF1B-3 and CLF1B-5 and for fluoride in monitoring well CLF1B-3 for the June sampling event based on an intrawell statistical analysis. However, boron in monitoring well CLF1B-5 and fluoride in monitoring well CLF1B-3 are not SSIs when based on an interwell statistical analysis. Also of note, all analytical results for fluoride remained below the MCL of 4.0 mg/L for all Class 3 Landfill CCR wells. Again, groundwater conditions observed following construction of the Class 3 Landfill are generally consistent with the pre-construction groundwater conditions observed at the closed Class 2 Landfill and with the current successful ASD and are not necessarily indicative of a release from the Class 3 Landfill. However, because of the new SSIs in a few groundwater monitoring wells, an evaluation of the original ASD will be conducted first quarter 2023 to provide additional lines of evidence to support the ASD. At this time, an assessment monitoring program is not required for the Class 3 Landfill as long as the subsequent ASD evaluation continues to show the source of the Class 3 Landfill SSIs is not a release from the Class 3 Landfill.

### 2.2.2 Key Actions Completed

The following key actions were completed in 2022:

- Prepared 2021 Annual Report including:
  - The Annual Report was placed in the facility's operating record pursuant to § 257.105(h)(1);
  - Pursuant to § 257.106(h)(1), the notification was sent to the relevant State Director within 30 days of the Annual Report being placed in the facility's operating record [§ 257.106(d)];
  - Pursuant to § 257.107(h)(1), the Annual Report was posted to the CCR Website within 30 days of the Annual Report being placed in the facility's operating record [§ 257.107(d)];
- Collected and analyzed three rounds of groundwater monitoring results (January, June, and October/November) in accordance with § 257.94 and recorded the concentrations in the facility's operating record as required by § 257.94(f). Groundwater monitoring results are summarized in Table 1 and Laboratory Analytical Results are provided in Appendix B.
- Completed statistical evaluations associated with the January and June sampling events to determine statistically significant increases for Appendix III constituents in accordance with § 257.93(h)(2). Statistical results are summarized in Appendix A.
- 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-4 and CGSPZ-5 in November 2022, to improve the elevation dataset to the west of the Class 3 Landfill. 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 completed in November 2022. Success of redevelopment will be monitored during 2023 sampling events.
- Updated the CGS GMP in December 2022 to reflect additional monitoring wells and locations and hydrogeology changes due to site construction and impoundment closures. Made general revisions and improvement to the GMP.

### 2.2.3 Problems Encountered

There were multiple laboratory issues encountered in 2022 which contributed to longer than average turnaround time to receive analytical results and variability with the lowest achievable reporting limits. Santee Cooper's internal laboratory, Analytical Services, is certified by the state of South Carolina to run most of the analyses on Appendix III and Appendix IV constituents for groundwater except for mercury and radium 226/228. However, the inductively coupled plasma – mass spectrophotometer (ICP-MS) that

analyzes the Appendix IV metals was broken and irreparable at the beginning of 2022. A new ICP-MS was ordered and delivered in April 2022 but was non-operational upon delivery. For the January sampling event, the samples were held at the Analytical Services' lab while repairs were attempted on the instrument. In the meantime, Analytical Services began to analyze the samples on the inductively coupled plasma – optical emission spectroscopy (ICP-OES) but was unable to achieve the appropriate reporting limits because it ran a different analytical method (EPA SW-846 6010D instead of 6020B). When initial repairs were unsuccessful on the ICP-MS, the samples were sent to a third-party laboratory certified by the state of South Carolina (Eurofins Savannah), approximately two and a half months after sample collection. Eurofins Savannah returned the analytical results approximately two weeks after receipt.

Upon receipt and review of the analytical results for the January/February sampling event, the non-detect reporting limits for background monitoring well PM-1 (Sample ID #AF24801) were greater than the GWPS for beryllium and thallium. At the time these results were received and validated 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 does not impact the Class 3 Landfill given that it is in Detection Monitoring and is 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 the required 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 which included the Class 3 Landfill. This third dataset ensured there were at least two datasets that met all required reporting limits for the 2022 calendar year. This will prevent inflating statistical background limits when the tolerance limits for PM-1 are updated in 2023 in accordance with *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009 (Unified Guidance)*.

## 2.2.5 Project Key Activities for Upcoming Year

Key activities to be completed in 2023 include the following:

- Prepare the 2022 annual report; place it in the record as required by § 257.105(h)(1), notify the Relevant State Director [§ 257.106(d)]; and post to the facility's publicly available CCR website [§ 257.107(d)].
- Conduct semi-annual groundwater monitoring and subsequent statistical analysis as required by § 257.94 and in accordance with the CGS GMP.
- Update the statistical upper tolerance limits for background wells PM-1 and CBW-1 in accordance with the Unified Guidance.
- Conduct statistical analyses of Detection Monitoring analytical data, including for the October/November 2022 sampling event, to determine if SSIs of the detected Appendix III constituents are present.
- Evaluate and provide additional lines of evidence and a more robust hydrogeology assessment to support and strengthen the successful April 2018 ASD for the Class 3 Landfill to address new SSIs within 90 days of completing the second 2022 statistical evaluation.
- Continue improving the potentiometric surface characterization of the uppermost aquifer given changing site conditions by:
  - Increasing the sitewide synoptic water level measurements from two (2) to four (4) times per year (on a quarterly basis and in conjunction with the semi-annual groundwater monitoring events).
  - Continue collecting surface water elevations from unlined ponds, also on the same quarterly basis as the sitewide synoptic water level measurements.

## 2.3 40 CFR § 257.90(E) - INFORMATION

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

### 2.3.1 40 CFR § 257.90(e)(1)

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

As required by § 257.90(e)(1), a map showing the locations of the CCR unit and associated upgradient and downgradient monitoring wells for the Class 3 Landfill 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;*

Additional groundwater monitoring wells for sampling constituent concentrations were not installed or decommissioned during 2022. However, two piezometers, CGSPZ-4 and CGSPZ-5 were installed in an area to the west of the Class 3 Landfill in November 2022 by a South Carolina certified well driller. This will improve characterization of the groundwater potentiometric surface given evolving site conditions that could impact groundwater flow direction. The original monitoring network for the Class 3 Landfill was developed based on a hydrogeologic characterization completed in 2011 to permit the Class 3 Landfill.

### **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) and § 257.94(d), 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 (e.g. detection), and monitoring data obtained for the groundwater monitoring program for the Class 3 Landfill is presented in Table 1 of this report. In addition, as required by § 257.95(d)(3), Table 1 includes the groundwater protection standards established under § 257.95(d)(2). Laboratory analytical data reports, along with field sampling forms, are provided in Appendix B to this report. A third sampling event was conducted in October/November 2022 for the reasons previously outlined. Although the results were returned from 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***

As required by § 257.93(h) a statistical analysis for Appendix III SSIs was completed by January 15, 2018. Baseline analytical data collected from background monitoring wells were combined to develop Upper Tolerance Limits (UTLs). The UTLs for each Appendix III constituent were compared to the analytical results for the downgradient monitoring wells. Constituents with analytical results exceeding the UTLs were identified as SSIs over background for the respective Appendix III constituent. This analysis indicated that statistically significant increases of boron, calcium, chloride, pH, sulfate, and total dissolved solids were present downgradient of the Class 3 Landfill. Statistical analysis was conducted within 90-days of completing the semiannual sampling and analysis events as described in § 257.93. As noted previously, SSIs were identified in several monitoring wells for the January and June sampling events. Contingent upon a successful re-evaluation of the original 2018 ASD in the first quarter of 2023, the unit will continue in detection monitoring.

### **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.

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 Class 3 Landfill Detection Monitoring 2022**

Well ID	Purpose	Date of Sample Event	Laboratory Sample ID Number	Appendix III Constituents							Field Parameters							
				Boron	Calcium	Chloride	Fluoride	Sulfate	Total Dissolved Solids	pH	Depth	Elevation	pH	Specific Conductivity	Temp	Oxidation Reduction Potential	Turbidity	Dissolved Oxygen
				Unit	ug/L	mg/L	mg/L	mg/L	mg/L	SU	Feet (btoc) <sup>4</sup>	Feet (msl) <sup>4</sup>	SU	uS	C	mv	NTU	ppm
				Method	EPA 6010D	EPA 6010D	EPA 300.0	EPA 300.0	EPA 300.0	SM 2540C								
GWPS/US EPA MCL/RSL	---	---	---	4.00	---	---	---	---	---	---	---	---	---	---	---			
<b>Site Background Wells</b>																		
PM-1	Background	1/24/2022	AF24801	11.0	14.4	12.1	<0.100	11.7	129	5.19	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	9.00	74.2	4.84	88.0	27.9	-54.0	0	1.60
PM-1	Resample	10/25/2022	AF47633	43.7	13.1	12.7	<0.100	7.99	96.3	5.01	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	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	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	11.6	74.2	4.45	1.00	26.0	242	90.3	6.21
CBW-1	Resample	10/25/2022	AF47632	20.3	27.5	3.78	<0.100	80.4	110	4.31	10.4	75.4	4.31	190	24.3	300	0	0.760
CBW-1	total samples			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
<b>Class 3 Landfill Wells</b>																		
CLF1B-1	Detection	1/24/2022	AF24794	10.1	166	42.2	<0.100	154	569	6.74	7.65	76.1	6.74	866	19.7	72.0	7.60	1.56
CLF1B-1	Duplicate	1/24/2022	AF24795	<10.0	164	42.4	<0.100	147	586									
CLF1B-1	Detection	6/27/2022	AF36894	<15.0	180	42.4	0.140	149	584	6.78	9.71	74.1	6.78	937	20.6	72.0	1.80	0.730
CLF1B-1	Duplicate	6/27/2022	AF36895	<15.0	190	42.1	0.110	146	586									
CLF1B-1	Resample	10/31/2022	AF47634	12.7	168	36.7	0.110	134	576	6.55	7.51	76.3	6.55	775	24.5	36.0	0	0.610
CLF1B-1	Duplicate	10/31/2022	AF47635	12.1	175	36.6	0.100	133	579									
CLF1B-1	total samples			6	6	6	6	6	6	3	3	3	3	3	3	3	3	3
CLF1B-2	Detection	1/24/2022	AF24796	16.8	130	86.4	<0.100	14.4	436	6.97	5.90	76.1	6.97	709	20.8	24.0	1.90	0.930
CLF1B-2	Detection	6/27/2022	AF36896	20.0	140	89.3	<0.100	15.3	571	6.85	8.31	73.7	6.85	771	20.2	-51.0	3.70	0.320
CLF1B-2	Resample	10/31/2022	AF47636	20.2	138	87.9	<0.100	14.1	536	6.81	5.94	76.1	6.81	628	25.4	-24.0	0	0.600
CLF1B-2	total samples			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CLF1B-3	Detection	1/24/2022	AF24797	71.0	185	23.7	0.140	245	644	6.62	6.42	76.3	6.62	845	22.8	10.0	28.3	0.260
CLF1B-3	Detection	6/27/2022	AF36897	120	230	22.8	0.200	355	791	6.73	9.39	73.4	6.73	1150	21.4	-99.0	4.90	0.330
CLF1B-3	Resample	10/31/2022	AF47637	140	222	18.0	0.120	338	788	6.68	6.74	76.0	6.68	941	24.6	-37.0	0	0.600
CLF1B-3	total samples			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CLF1B-4	Detection	1/24/2022	AF24798	18.3	116	99.3	<0.100	18.1	418	7.05	6.21	76.5	7.05	666	18.8	430	7.80	1.32
CLF1B-4	Detection	6/27/2022	AF36898	27.0	140	100	<0.100	26.6	490	6.93	9.95	72.8	6.93	786	20.8	125	5.50	0.300
CLF1B-4	Resample	10/31/2022	AF47638	26.5	130	99.5	<0.100	23.8	554	6.96	6.79	76.0	6.96	596	27.4	39.0	0	0.600
CLF1B-4	total samples			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CLF1B-5	Detection	1/25/2022	AF24799	16.5	276	152	<0.100	291	1132	6.64	4.51	76.6	6.64	1470	17.4	18.0	0	0.360
CLF1B-5	Detection	6/27/2022	AF36899	26.0	290	168	<0.100	262	1148	6.66	8.73	72.4	6.66	1430	23.2	-55.0	14.1	0.320
CLF1B-5	Resample	11/1/2022	AF47639	24.4	274	180	<0.100	264	1099	6.47	5.38	75.7	6.47	1380	23.9	-24.0	0	0.750
CLF1B-5	total samples			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

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 and downgradient compliance wells have been sampled to meet § 257.94.
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

Well Name	1st Event				2nd Event				3rd Event			
	Collection Date	Depth to Groundwater (ft btoc) <sup>2</sup>	Top of Casing Elevation (ft msl) <sup>2</sup>	GW Elevation (ft msl) <sup>2</sup>	Collection Date	Depth to Groundwater (ft btoc) <sup>2</sup>	Top of Casing Elevation (ft msl) <sup>2</sup>	GW Elevation (ft msl) <sup>2</sup>	Collection Date	Depth to Groundwater (ft btoc) <sup>2</sup>	Top of Casing Elevation (ft msl) <sup>2</sup>	GW Elevation (ft msl) <sup>2</sup>
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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>1</sup>	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 <sup>4</sup>	-	-	-	-	-	-	-	-	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 <sup>3</sup>	-	-	-	-	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 <sup>4</sup>	-	-	-	-	-	-	-	-	10/24/2022	10.03	85.37	75.34
PSE-1 <sup>5</sup>	3/3/2022	-	-	75.00	6/20/2022	-	-	74.63	10/24/2022	-	-	74.86
PSE-2 <sup>5</sup>	3/3/2022	-	-	79.99	6/20/2022	-	-	81.52	10/24/2022	-	-	82.34
PSE-3 <sup>5</sup>	3/3/2022	-	-	81.83	6/20/2022	-	-	81.47	10/24/2022	-	-	83.11
PSE-4 <sup>5</sup>	3/3/2022	-	-	82.43	6/20/2022	-	-	82.19	10/24/2022	-	-	83.35
PSE-5 <sup>5</sup>	3/3/2022	-	-	76.77	6/20/2022	-	-	76.62	10/24/2022	-	-	76.37
PSE-6 <sup>5</sup>	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

GIS FILE PATH: I:\97130\Groundwater\GIS Groundwater\map files\CGS\_CCR\_WELL\_LOCATIONS.mxd — USER: ALDECOTE — LAST SAVED: 12/02/2022 1:46:07 PM



**LEGEND**

-  CGS LANDFILL PIEZOMETERS
-  BACKGROUND WELL
-  CLASS 3 LANDFILL AREA 1B WELL
-  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



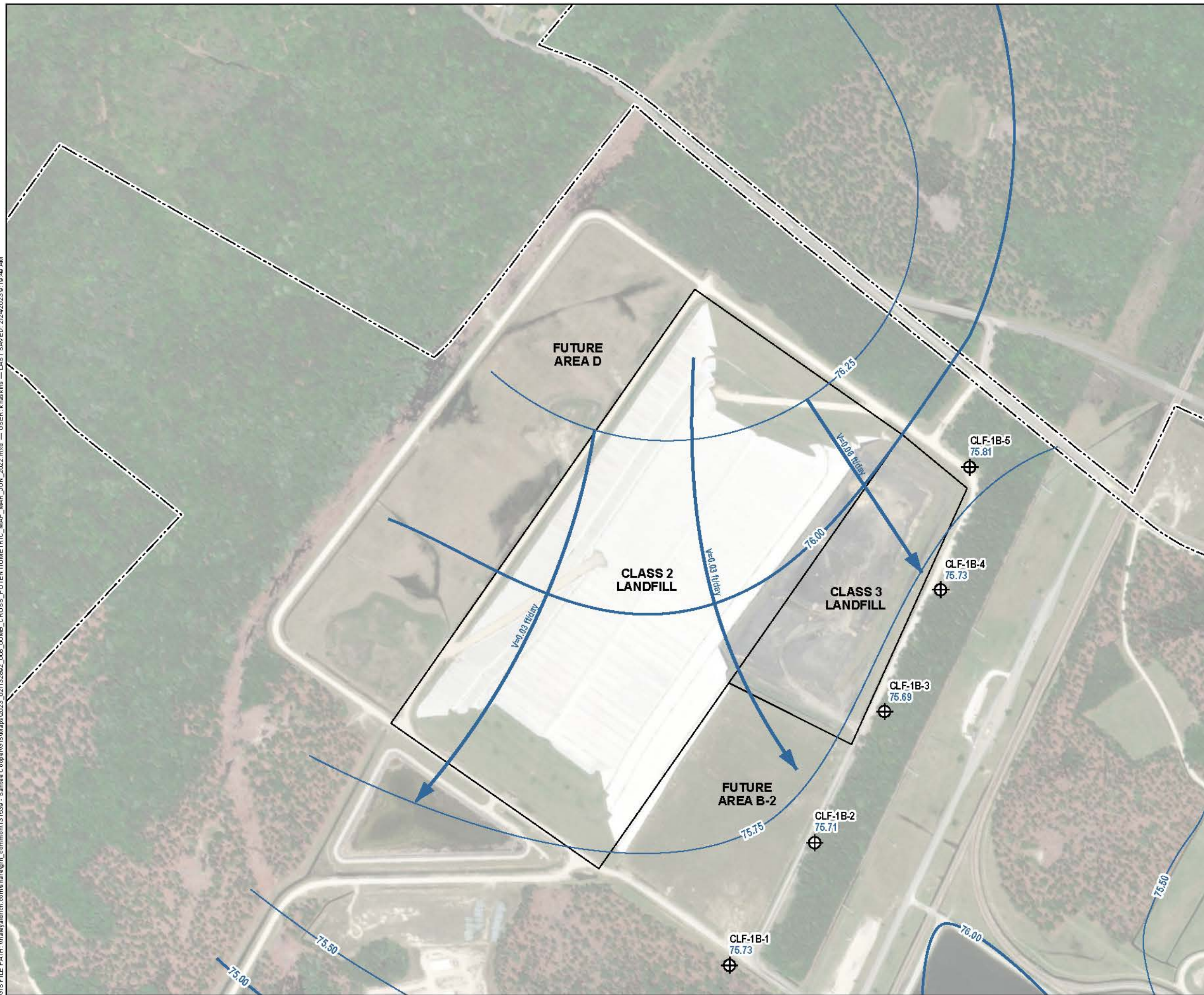
SANTEE COOPER  
CROSS GENERATING STATION  
PINEVILLE, SOUTH CAROLINA

**LOCATION OF CLASS 3 LANDFILL  
GROUNDWATER MONITORING WELLS  
FOR CCR COMPLIANCE**








JANUARY 2023

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\haley\GIS\Projects\2023\03122023\03122023\_008\_00MB\_CROSS\_POTENTIOMETRIC\_MAP\_MAR\_JUN\_2022.mxd — USER: k.haskins — LAST SAVED: 2/24/2023 9:19:48 AM



**LEGEND**

-  CLASS 3 LANDFILL WELL
-  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:
 
$$v = \frac{K \Delta h}{n_e \Delta L}$$
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 0.04 FT/DAY.
7. AERIAL IMAGERY SOURCE: ESRI



**HALEY ALDRICH**

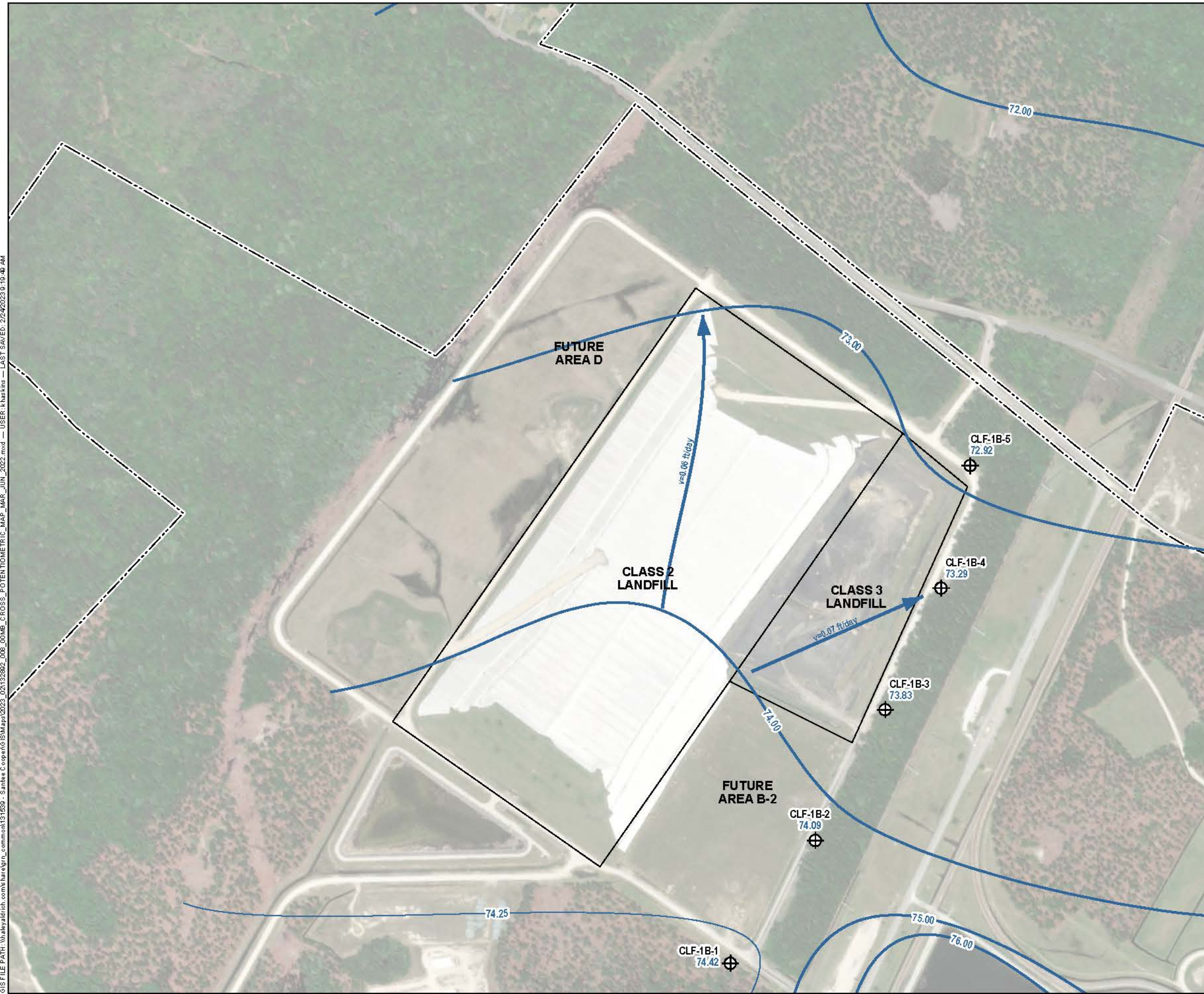
SANTEE COOPER  
CROSS GENERATING STATION  
PINEVILLE, SOUTH CAROLINA

POTENTIOMETRIC MAP  
CLASS 3 LANDFILL  
MARCH 17, 2022








FEBRUARY 2023

FIGURE 2

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**LEGEND**

-  CLASS 3 LANDFILL WELL
-  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:  

$$v = -\frac{K \Delta h}{n_e \Delta L}$$
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 0.06 FT/DAY.
7. THE NATURE AND EXTENT WELLS USED FOR VERTICAL EXTENT WERE NOT USED FOR CONTOURING THE SHALLOW GROUNDWATER POTENTIOMETRIC SURFACE.
8. AERIAL IMAGERY SOURCE: ESRI



SANTEE COOPER  
 CROSS GENERATING STATION  
 PINEVILLE, SOUTH CAROLINA

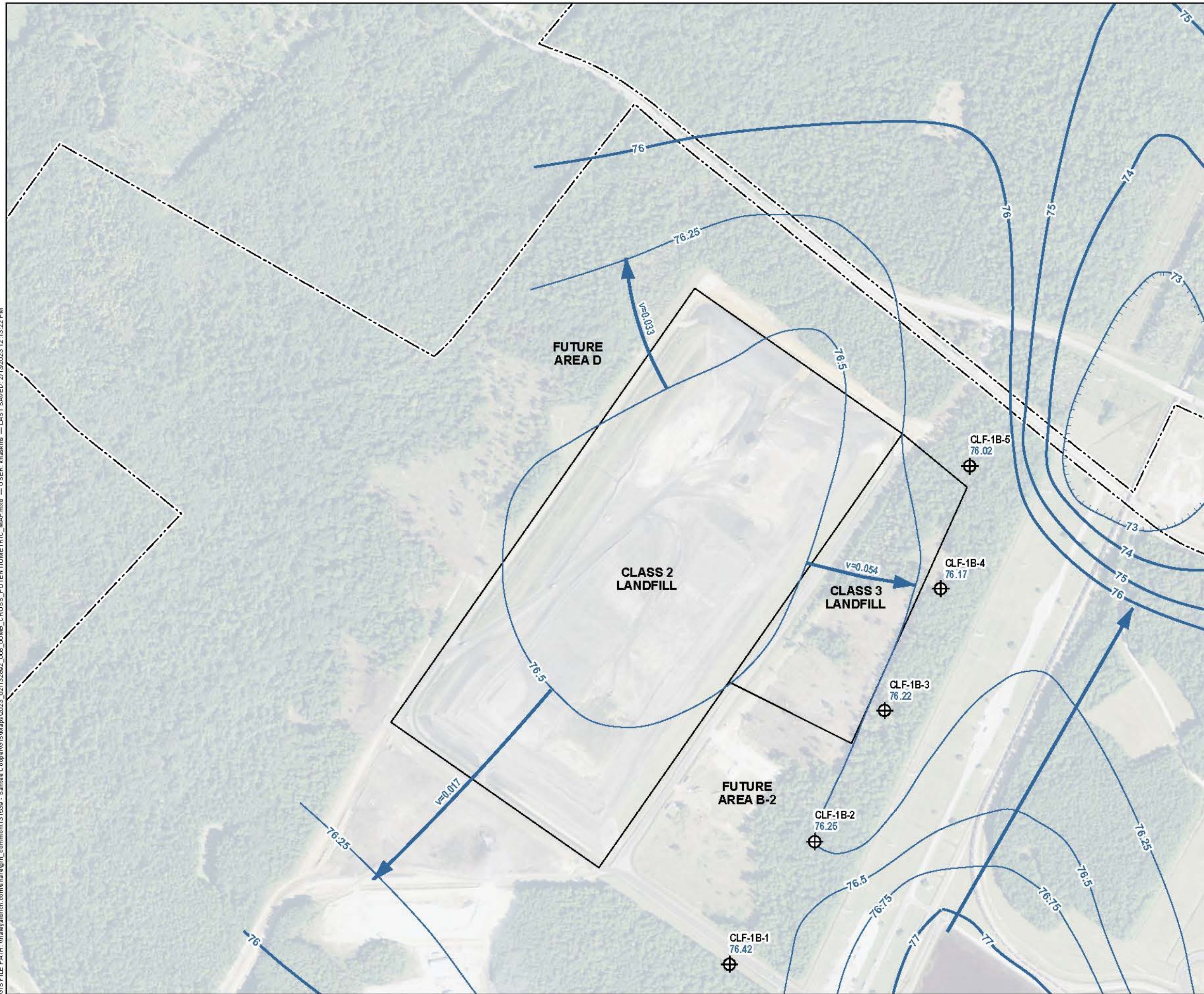
**POTENTIOMETRIC MAP  
 CLASS 3 LANDFILL  
 JUNE 20, 2022**

FEBRUARY 2023








**FIGURE 3**



GIS FILE PATH: \\haleyaldrich.com\haley\haley\gis\maps\2023\_02132023\_008\_00MB\_CROSS\_POTENTIOMETRIC\_MAP.mxd — USER: khastine — LAST SAVED: 2/13/2023 12:13:22 PM



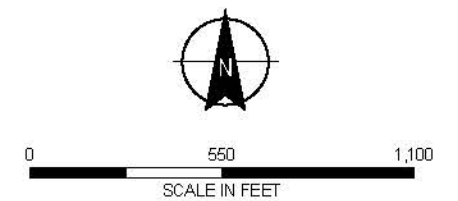
**LEGEND**

-  CLASS 3 LANDFILL WELL
-  GROUNDWATER ELEVATION CONTOUR
-  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:  

$$v = - \frac{K \Delta h}{n_e \Delta L}$$
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 0.031 FT/DAY.
7. AERIAL IMAGERY SOURCE: NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP), 2013



**HALEY ALDRICH** SANTEE COOPER  
CROSS GENERATING STATION  
PINEVILLE, SOUTH CAROLINA

**POTENTIOMETRIC MAP  
CLASS 3 LANDFILL  
OCTOBER 24, 2022**

FEBRUARY 2023

**FIGURE 4**

## **Appendix A – Statistical Analysis**



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

## TECHNICAL MEMORANDUM

July 8, 2022  
File No. 131539-012

**SUBJECT:** Statistical Evaluation of the January 2022 Semi-annual Groundwater Detection Monitoring Data, Cross Generating Station, Class 3 Landfill

The South Carolina Public Service Authority (Santee Cooper) has implemented the 17 April 2015 U.S. Environmental Protection Agency (U.S. EPA) Federal Coal Combustion Residuals (CCR) Rule (40 CFR § 257) for the Cross Generating Station, located in Berkeley County, South Carolina. The data for the January 2022 groundwater sampling event were validated on May 12, 2022 by Santee Cooper and provided to Haley & Aldrich on May 26, 2022 for statistical analysis. This memorandum documents the results of statistical tests conducted by Haley & Aldrich to determine if Appendix III groundwater monitoring constituents detected in downgradient wells are present at levels that exhibit a statistically significant increase (SSI) above background, or upgradient wells (PM-1 and CBW-1), consistent with the requirements in 40 CFR § 257.94.

Following baseline sampling the initial statistical analysis completed in January 2018 identified SSI's for one or more Appendix III constituent downgradient of the Class 3 Landfill. However, recognizing that the new Class 3 Landfill was constructed along the downgradient flank of the closed Class 2 Landfill with a geocomposite drainage net/leachate collection system and knowing that groundwater passing beneath the Class 3 Landfill had not reached the downgradient monitoring well network when sampling was initiated in October 2015, Haley & Aldrich conducted an evaluation to demonstrate that a source other than the Class 3 Landfill caused the statistically significant increase over background, consistent with §257.94(e)(2).

The certified alternate source demonstration (ASD) concluded that the closed Class 2 Landfill is the source for the Appendix III SSIs detected downgradient of the two units, and as a result, the new Class 3 Landfill remained in detection monitoring. As a result of the successful ASD, intrawell statistical evaluations have been conducted for the Appendix III constituents since that time. The intrawell evaluation compares the most recent values from each compliance well against a background dataset composed of its own historical data. The Upper Tolerance Limit (UTL) statistical analysis was used to perform the statistical evaluation. The UTL is an accepted method under the CCR Rule and is the upper endpoint of a tolerance interval that is designed to contain a pre-specified proportion (e.g. 95 percent) of the background dataset.

### **Statistical Evaluation of Appendix III Constituents**

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 UTL was used to evaluate potential SSIs. A 95% UTL for 99% coverage was calculated to compare to downgradient groundwater analytical results for this evaluation. Per the document *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009 (Unified Guidance)*, intrawell background limits are updated once every two years when there are a minimum of four new valid data points collected. The last intrawell background limit for the Class 3 landfill was updated using data collected on and before January 2021.

### UTL STATISTICAL ANALYSIS

The UTL is an accepted statistical method identified in the CCR Rule to evaluate the groundwater analytical data at CCR Units. A tolerance interval is a concentration range, with a confidence level, designed to contain a pre-specified proportion (e.g., 99 percent) of the underlying population from which the statistical sample is drawn (background). The upper endpoint of a tolerance interval is called the upper tolerance limit or UTL. Depending on the assumed distribution of background, parametric or non-parametric procedures were used to develop the UTL. Parametric tolerance limits utilize assumed distributions of the sample background data to develop the UTL, and non-parametric limits utilize order statistics or bootstrap methods to develop the UTL. The UTL was calculated using the Chemstat software from the background data after testing for outlier sample results that would warrant removal from the data set based on likely error in sampling or measurement. Both visual and statistical outlier tests for the background data were performed using Chemstat and U.S. Environmental Protection Agency's ProUCL 5.1 software, and a visual inspection of the data was performed for the downgradient sample data. No sample data were deemed as outliers that warranted removal from the data set.

### RESULTS OF APPENDIX III DOWNGRADIANT STATISTICAL COMPARISONS

The Appendix III sample concentrations at the downgradient wells from the January 2022 detection monitoring sampling event was compared to their respective UTLs. A sample concentration greater than the UTL is considered to represent an SSI. Based on these comparisons and relying on an intrawell statistical evaluation, an SSI for chloride in well CLF1B-2 and CLF1B-4 was indicated which is consistent with previous evaluations. The conditions observed following construction of the Class 3 Landfill are consistent with the pre-construction conditions and are not indicative of a release from the Class 3 Landfill. As a result, the ASD for the Class 3 Landfill continues to address these findings.

Groundwater flow velocity in the uppermost aquifer in the vicinity of the Class 2 and Class 3 Landfills is calculated to be approximately 30-feet per year. The distance between the eastern edge of the Class 2 Landfill and the groundwater wells monitoring the Class 3 Landfill varies from 500- to 800-feet. This represents between 17 and 27 years for a release from the Class 2 Landfill to reach the Class 3 Landfill monitoring wells. If it is assumed that Appendix III constituents stopped leaching from the Class 2 landfill when closure was completed in June 2016 and when the water management improvements were completed in January 2020, impacts could continue to flow through the Class 3 Landfill monitoring wells until 2043. Historical trends in concentrations will be evaluated in subsequent sampling events.

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

## TABLES

Cross Class 3 Landfill

Detection Monitoring Statistical Analysis Summary

January 2022 Groundwater Monitoring Event

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)	Inter-well Analysis		Intra-well Analysis	
																					Detect?	Background Limit (Upper Prediction Limit)	SSI	Background Limit (Upper Prediction Limit)
CCR Appendix-III: Boron, Total (mg/L)																								
CBW-1	17/19	11%	0.015-0.04	0.0221	0.0217	0.0328	0.032	0.0004081	0.006389	0.2885	NA	mg/L	N	0	0	No	No	Stable	Non-parametric		0.049			
PM-1	10/19	47%	0.015-0.02	0.0179	0.015	0.0238	0.049	0.0006188	0.007867	0.4401	NA	mg/L	N	0	0	Yes	No	Stable						
CLF1B-1	3/19	84%	0.015-0.015	0.0148	0.015	0.0151	0.016	0.00001345	0.00116	0.07839	NA	mg/L	N	0	0	No	No	NA	Non-parametric	0.010	Y	N	0.016	N
CLF1B-2	16/19	16%	0.015-0.015	0.0176	0.016	0.02198	0.0398	0.0003056	0.005528	0.3132	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric	0.017	Y	N	0.040	N
CLF1B-3	19/19	0%	-	0.0403	0.039	0.0719	0.08	0.000294	0.01715	0.4258	NA	mg/L	N	0	0	Yes	No	Increasing	Normal	0.071	Y	Y	0.080	N
CLF1B-4	19/19	0%	-	0.0199	0.019	0.0274	0.0292	0.0001213	0.003482	0.1753	NA	mg/L	N	0	0	Yes	No	Decreasing	Non-parametric	0.018	Y	N	0.029	N
CLF1B-5	15/19	21%	0.015-0.015	0.0166	0.016	0.019	0.019	0.00002907	0.001705	0.1025	NA	mg/L	N	0	0	No	No	Increasing	Non-parametric	0.017	Y	N	0.019	N
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		47.33			
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	Decreasing						
CLF1B-1	18/18	0%	-	175	174	189.3	191	62.15	7.883	0.045	NA	mg/L	N	0	0	No	No	Stable	Normal	166.00	Y	Y	203.50	N
CLF1B-2	18/18	0%	-	137	131	160.7	210	391.4	19.78	0.1446	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric	130.00	Y	Y	210.00	N
CLF1B-3	17/17	0%	-	174	180	224.8	244	1650	40.62	0.2339	NA	mg/L	N	0	0	No	No	Stable	Normal	185.00	Y	Y	307.15	N
CLF1B-4	18/18	0%	-	104	99.65	127.3	180	521.3	22.83	0.22	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric	116.00	Y	Y	180.00	N
CLF1B-5	19/19	0%	-	233	250	276.3	279	1453	38.12	0.1638	NA	mg/L	N	0	0	No	No	Increasing	Normal	276.00	Y	Y	358.50	N
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		13.50			
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						
CLF1B-1	19/19	0%	-	38.2	38.9	41.57	42.2	7.355	2.712	0.07093	NA	mg/L	N	0	0	No	No	Decreasing	Normal	42.20	Y	Y	46.86	N
CLF1B-2	19/19	0%	-	73.6	74.7	86.78	90.2	124.6	11.16	0.1517	NA	mg/L	N	0	0	Yes	No	Increasing	Non-parametric	86.40	Y	Y	84.10	Y
CLF1B-3	19/19	0%	-	27.6	23.7	38.9	81.2	177.8	13.33	0.4822	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric	23.70	Y	Y	81.20	N
CLF1B-4	19/19	0%	-	62	52.7	99.36	99.9	323	17.97	0.2899	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric	99.30	Y	Y	88.20	Y
CLF1B-5	20/20	0%	-	123	117.5	153.1	174	568.6	23.85	0.1937	NA	mg/L	N	0	0	No	No	Increasing	Normal	152.00	Y	Y	188.97	N
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	Decreasing	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						
CLF1B-1	9/18	50%	0.1-0.1	0.121	0.11	0.173	0.19	0.000735	0.02711	0.2249	4	mg/L	N	0	0	No	No	Stable	Non-parametric	0.10	N	N	0.19	N
CLF1B-2	6/18	67%	0.1-0.1	0.109	0.1	0.143	0.16	0.0002997	0.01731	0.1582	4	mg/L	N	0	0	No	No	NA	Non-parametric	0.10	N	N	0.16	N
CLF1B-3	11/18	39%	0.1-0.1	0.12	0.12	0.15	0.15	0.0003882	0.0197	0.1642	4	mg/L	N	0	0	No	No	Stable	Non-parametric	0.14	Y	N	0.15	N
CLF1B-4	3/18	83%	0.1-0.1	0.103	0.1	0.1215	0.13	0.00007059	0.008402	0.08131	4	mg/L	N	0	0	Yes	No	NA	Non-parametric	0.10	N	N	0.13	N
CLF1B-5	3/18	83%	0.1-0.1	0.104	0.1	0.1245	0.15	0.0001556	0.01247	0.1194	4	mg/L	N	0	0	Yes	No	NA	Non-parametric	0.10	N	N	0.15	N
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						
CLF1B-1	19/19	0%	-	6.61	6.61	6.822	6.84	0.01753	0.1324	0.02002	NA	pH units	N	0	0	No	No	Stable	Normal	6.74	Y	Y	6.09, 7.11	N
CLF1B-2	19/19	0%	-	6.9	6.91	7.081	7.09	0.01639	0.128	0.01856	NA	pH units	N	0	0	No	No	Stable	Normal	6.97	Y	Y	6.4, 7.4	N
CLF1B-3	19/19	0%	-	6.69	6.71	6.832	6.94	0.0153	0.1237	0.01848	NA	pH units	N	0	0	No	No	Stable	Normal	6.62	Y	Y	6.22, 7.18	N
CLF1B-4	19/19	0%	-	7.12	7.16	7.371	7.38	0.01904	0.138	0.01937	NA	pH units	N	0	0	No	No	Stable	Normal	7.05	Y	Y	6.6, 7.87	N
CLF1B-5	20/20	0%	-	6.6	6.655	6.764	6.83	0.06743	0.2597	0.03934	NA	pH units	N	0	0	No	No	Decreasing	Normal	6.64	Y	Y	6.3, 7.02	N
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	No	No	Stable	Non-parametric		115.00			
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	Decreasing						
CLF1B-1	19/19	0%	-	140	136	154.5	159	99.54	9.977	0.07121	NA	mg/L	N	0	0	No	No	Stable	Normal	154.00	Y	Y	174.08	N
CLF1B-2	19/19	0%	-	14.5	13.5	19.88	22.4	6.735	2.595	0.1789	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric	14.40	Y	N	22.40	N
CLF1B-3	19/19	0%	-	154	166	255.4	349	6378	79.86	0.5188	NA	mg/L	N	0	0	No	No	Stable	Normal	245.00	Y	Y	357.67	N
CLF1B-4	19/19	0%	-	17.4	15.3	31.42	34.3	34.49	5.873	0.3382	NA	mg/L	N	0	0	Yes	No	Decreasing	Non-parametric	18.10	Y	N	34.30	N
CLF1B-5	20/20	0%	-	171	176.5	278.6	291	6071	77.92	0.4564	NA	mg/L	N	0	0	No	No	Increasing	Normal	291.00	Y	Y	414.24	N
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	No	No	Stable	Normal		260.58			
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						
CLF1B-1	19/19	0%	-	585	581.7	648.9	651.7	1231	35.09	0.06002	NA	mg/L	N	0	0	No	No	Stable	Normal	568.80	Y	Y	715.00	N
CLF1B-2	19/19	0%	-	477	476.2	550.3	597.5	3286	57.33	0.1201	NA	mg/L	N	0	0	Yes	No	Stable	Normal	436.20	Y	Y	653.06	N
CLF1B-3	19/19	0%	-	812	583.8	1289	5355	1232000	1110	1.367	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric	643.80	Y	Y	5355.00	N
CLF1B-4	19/19	0%	-	377	375	517.7	552.5	5749	75.82	0.201	NA	mg/L	N	0	0	No	No	Stable	Normal	417.50	Y	Y	593.14	N
CLF1B-5	20/20	0%	-	898	884.6	1156	1176	31330	177	0.1972	NA	mg/L	N	0	0	Yes	No	Increasing	Normal	1132.00	Y	Y	1430.81	N



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## TECHNICAL MEMORANDUM

December 26, 2022  
File No. 131539-012

**SUBJECT:** Statistical Evaluation of the Summer 2022 Semiannual Groundwater Detection Monitoring Data, Cross Generating Station, Class 3 Landfill

Pursuant to Title 40 Code of Federal Regulations (40 CFR) §257.93 and §257.94 (Rule), this memorandum summarizes the statistical evaluation of the groundwater analytical results obtained for the summer 2022 semiannual detection monitoring event for Cross Generating Station (CGS) Class 3 Landfill. Data for this groundwater sampling event were validated on September 28, 2022 by Santee Cooper.

### BACKGROUND

The CGS Class 3 Landfill began receiving waste in December 2015. After completion of baseline sampling, the initial statistical analysis for the CGS Class 3 Landfill identified statistically significant increases (SSIs) above the Groundwater Protection Standards (GWPS) for Appendix III constituents in downgradient monitoring wells. Subsequently, an alternate source demonstration (ASD) completed in April 2018 concluded the closed Class 2 Landfill, which is immediately adjacent to the Class 3 Landfill, is the source for the Appendix III SSIs (boron, calcium, chloride, pH, sulfate, and total dissolved solids [TDS]). As a result, the Class 3 Landfill remained in detection monitoring. Intrawell statistical evaluations have been conducted for the Appendix III constituents since the ASD.

Recent analytical testing results were evaluated to determine if SSIs exist above the GWPS of Appendix III groundwater monitoring constituents. Using intrawell evaluations, data from the semiannual sampling event for downgradient monitoring wells were compared to background values.

### STATISTICAL EVALUATION

The Rule provides four specific options to statistically evaluate whether water quality downgradient of the CCR unit §257.93(f) (1-4) represents a SSI of Appendix III parameters compared to background groundwater quality of the CCR Unit. The intrawell evaluation compares the most recent values from each compliance well against a background dataset composed of its own historical data.

To statistically evaluate the analytical results, the background upper prediction limit (UPL), which is a type of prediction interval method, was selected to evaluate the Appendix III data, and additionally, the lower prediction limit (LPL) was selected to evaluate the pH. The prediction interval method is one of the methods outlined in the Rule. A prediction interval procedure establishes a concentration limit for each constituent 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 UPL and lower endpoint of a

concentration limit is called the LPL. Depending on the background data distribution, parametric or non-parametric prediction limits procedures are used to evaluate groundwater monitoring data using this method. Parametric prediction limits use normally distributed data or normalized data via a transformation of the sample background data.

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 UPL. We note that depending on the available sample size, UPLs generated from non-parametric or maximum reporting limits may not achieve the same target statistical confidence limits of the parametric UPLs.

Per the document *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009* (the Unified Guidance), background concentrations for the June 2022 semiannual sampling event were based on statistical evaluation of analytical results collected through January 2021. The background dataset will be updated again after the 2023 first semiannual sampling event, in accordance with the Unified Guidance.

### RESULTS OF APPENDIX III DOWNGRADIENT STATISTICAL COMPARISONS

As stated, Appendix III constituent detections from downgradient well samples were compared to their respective GWPS (Table I) using intrawell comparisons. SSIs for the following were identified:

- Boron SSIs for CLF1B-3 and CLF1B-5
- Chloride SSIs for CLF1B-2 and CLF1B-4
- Fluoride SSI for CLF1B-3

Even though fluoride in CLF1B-3 and boron in CLF1B-5 showed SSIs for the intrawell statistical evaluation, the analytical concentrations for these constituents were below their respective Maximum Contaminant Levels (MCLs) and are not SSIs when evaluated using interwell statistical analysis.

As noted in the 2018 ASD, groundwater flow velocity in the uppermost aquifer near the Class 2 and Class 3 Landfills is approximately 30 feet per year. The distance between the eastern edge of the Class 2 Landfill and the Class 3 Landfill monitoring well network varies from 500 to 800 feet, representing between 17 and 27 years for a release from the Class 2 Landfill to reach the Class 3 Landfill monitoring wells. The Class 2 Landfill began receiving waste over 40 years ago. Appendix III constituent leaching was expected to subside when closure (June 2016) and water management improvements (January 2020) were completed for the Class 2 Landfill. However, based on the calculated groundwater flow velocity and levels of constituent concentrations, elevated concentrations could continue to flow through the Class 3 Landfill monitoring wells until 2043. Historical trends in concentrations will continue to be evaluated during subsequent sampling events. Based on these statistical results, the Class 3 Landfill will continue in detection monitoring.

Enclosures:

Table I – CGS Class 3 Landfill Summer 2022 Semiannual Detection Monitoring Data



## TABLE

TABLE I  
 CGS CLASS 3 LANDFILL  
 SUMMER 2022 SEMIANNUAL DETECTION MONITORING DATA

Location Id	Frequency of Detection	Percent Non-Detects	Range of Non-Detect	Mean	50th Percentile (Median)	95th Percentile	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Detection Exceedances (Y/N)	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well*	June 2022 Concentration (mg/L)	Inter-well Analysis		Intra-well Analysis						
																					Background Limit (Upper Prediction Limit)	SSI	Background Limit (Upper Prediction Limit)	SSI					
CCR Appendix-III: Boron, Total (mg/L)																													
CBW-1	18/20	10%	0.015-0.04	0.0218	0.02085	0.0324	0.032	0.00004122	0.00642	0.2946	NA	mg/L	N	0	0	No	No	Stable	Non-parametric	0.049									
PM-1	10/20	50%	0.015-0.02	0.0177	0.015	0.0224	0.049	0.00005904	0.007684	0.4334	NA	mg/L	N	0	0	Yes	No	Stable											
CLF1B-1	3/20	85%	0.015-0.015	0.0148	0.015	0.01505	0.016	0.00001276	0.00113	0.07631	NA	mg/L	N	0	0	Yes	No	NA						0.015	N		N	0.016	N
CLF1B-2	17/20	15%	0.015-0.015	0.0178	0.0161	0.02099	0.0398	0.00002923	0.005406	0.3043	NA	mg/L	N	0	0	Yes	No	Stable						0.020	Y		N	0.040	N
CLF1B-3	20/20	0%	-	0.0443	0.0395	0.082	0.12	0.0005964	0.02442	0.5517	NA	mg/L	N	0	0	Yes	No	Increasing						0.120	Y		Y	0.080	Y
CLF1B-4	20/20	0%	-	0.0202	0.019	0.0273	0.0292	0.00001403	0.003746	0.1853	NA	mg/L	N	0	0	No	No	Stable						0.027	Y		N	0.029	N
CLF1B-5	16/20	20%	0.015-0.015	0.0171	0.016	0.01935	0.026	0.00007137	0.002672	0.1562	NA	mg/L	N	0	0	Yes	No	Increasing	0.026	Y		N	0.019	Y					
CCR Appendix-III: Calcium, Total (mg/L)																													
CBW-1	20/20	0%	-	27.1	27	30.51	42.2	19.34	4.397	0.1624	NA	mg/L	N	0	0	Yes	No	Stable	Normal	47.33									
PM-1	21/21	0%	-	17.3	16.4	27	37	43.88	6.624	0.3839	NA	mg/L	N	0	0	No	No	Decreasing											
CLF1B-1	19/19	0%	-	175	175	189.2	191	59.92	7.741	0.04413	NA	mg/L	N	0	0	No	No	Decreasing						0.18	Y		N	203.50	N
CLF1B-2	19/19	0%	-	137	131	157.8	210	370.2	19.24	0.1404	NA	mg/L	N	0	0	Yes	No	Stable						0.14	Y		N	210.00	N
CLF1B-3	18/18	0%	-	177	181.5	232.1	244	1730	41.59	0.2353	NA	mg/L	N	0	0	No	No	Increasing						0.23	Y		N	307.15	N
CLF1B-4	19/19	0%	-	106	102	144	180	561.3	23.69	0.2241	NA	mg/L	N	0	0	Yes	No	Increasing						0.14	Y		N	180.00	N
CLF1B-5	20/20	0%	-	236	253	279.5	290	1541	39.25	0.1666	NA	mg/L	N	0	0	No	No	Increasing	0.29	Y		N	358.50	N					
CCR Appendix-III: Chloride (mg/L)																													
CBW-1	21/21	0%	-	2.94	2.95	3.44	3.79	0.1194	0.3456	0.1174	NA	mg/L	N	0	0	No	No	Increasing	Non-parametric	13.50									
PM-1	21/21	0%	-	12.6	12.7	13.4	13.5	0.3422	0.585	0.04645	NA	mg/L	N	0	0	No	No	Stable											
CLF1B-1	20/20	0%	-	38.4	38.9	42.21	42.4	7.834	2.799	0.0728	NA	mg/L	N	0	0	No	No	Stable						42.40	Y		Y	46.86	N
CLF1B-2	20/20	0%	-	74.4	75.25	89.35	90.2	130.4	11.42	0.1535	NA	mg/L	N	0	0	Yes	No	Increasing						89.30	Y		Y	84.10	Y
CLF1B-3	20/20	0%	-	27.4	23.65	36.55	81.2	169.6	13.02	0.4752	NA	mg/L	N	0	0	Yes	No	Stable						22.80	Y		Y	81.20	N
CLF1B-4	20/20	0%	-	63.9	52.9	99.9	100	378.2	19.45	0.3044	NA	mg/L	N	0	0	No	No	Increasing						100.00	Y		Y	88.20	Y
CLF1B-5	21/21	0%	-	125	118	168	174	636.1	25.22	0.2014	NA	mg/L	N	0	0	No	No	Increasing	168.00	Y		Y	188.97	N					
CCR Appendix-III: Fluoride (mg/L)																													
CBW-1	19/19	0%	-	0.221	0.22	0.291	0.3	0.001765	0.04202	0.1901	4	mg/L	N	0	0	No	No	Decreasing	Non-parametric	0.30									
PM-1	0/19	100%	0.1-0.1	0.1	0.1	0.1	0	0	0	0	4	mg/L	N	0	0	NA	NA	NA											
CLF1B-1	10/19	47%	0.1-0.1	0.122	0.12	0.172	0.19	0.000714	0.02672	0.2198	4	mg/L	N	0	0	No	No	Stable						0.14	Y		N	0.19	N
CLF1B-2	6/19	68%	0.1-0.1	0.109	0.1	0.142	0.16	0.0002877	0.01696	0.1557	4	mg/L	N	0	0	Yes	No	NA						0.10	N		N	0.16	N
CLF1B-3	12/19	37%	0.1-0.1	0.124	0.12	0.155	0.2	0.0007035	0.02652	0.2135	4	mg/L	N	0	0	Yes	No	Stable						0.20	Y		N	0.15	Y
CLF1B-4	3/19	84%	0.1-0.1	0.103	0.1	0.121	0.13	0.00006725	0.008201	0.0795	4	mg/L	N	0	0	Yes	No	NA						0.10	N		N	0.13	N
CLF1B-5	3/19	84%	0.1-0.1	0.104	0.1	0.123	0.15	0.000148	0.01216	0.1167	4	mg/L	N	0	0	Yes	No	NA	0.10	N		N	0.15	N					
CCR Appendix-III: pH, Field (pH units)																													
CBW-1	21/21	0%	-	4.31	4.32	4.5	4.5	0.01709	0.1307	0.03035	NA	pH units	N	0	0	No	No	Stable	Non-parametric	4.09, 5.58									
PM-1	26/26	0%	-	5.13	5.19	5.47	5.58	0.05849	0.2418	0.04715	NA	pH units	N	0	0	No	No	Stable											
CLF1B-1	20/20	0%	-	6.62	6.62	6.821	6.84	0.01802	0.1342	0.02028	NA	pH units	N	0	0	No	No	Increasing						6.78	Y		Y	6.09, 7.11	N
CLF1B-2	20/20	0%	-	6.9	6.9	7.081	7.09	0.01566	0.1251	0.01814	NA	pH units	N	0	0	No	No	Stable						6.85	Y		Y	6.4, 7.4	N
CLF1B-3	20/20	0%	-	6.69	6.72	6.826	6.94	0.01456	0.1207	0.01803	NA	pH units	N	0	0	No	No	Stable						6.73	Y		Y	6.22, 7.18	N
CLF1B-4	20/20	0%	-	7.11	7.11	7.371	7.38	0.01993	0.1412	0.01984	NA	pH units	N	0	0	No	No	Stable						6.93	Y		Y	6.6, 7.87	N
CLF1B-5	21/21	0%	-	6.6	6.66	6.76	6.83	0.06422	0.2534	0.03838	NA	pH units	N	0	0	Yes	No	Decreasing	6.66	Y		Y	6.3, 7.02	N					
CCR Appendix-III: Sulfate (mg/L)																													
CBW-1	21/21	0%	-	79.4	78.3	90.1	115	114.1	10.68	0.1345	NA	mg/L	N	0	0	Yes	No	Stable	Non-parametric	115.00									
PM-1	21/21	0%	-	12.6	10.5	25.5	26.5	32.5	5.701	0.4531	NA	mg/L	N	0	0	No	No	Decreasing											
CLF1B-1	20/20	0%	-	141	137.5	154.3	159	98.26	9.913	0.07053	NA	mg/L	N	0	0	No	No	Stable						149.00	Y		Y	174.08	N
CLF1B-2	20/20	0%	-	14.5	13.6	19.74	22.4	6.412	2.532	0.174	NA	mg/L	N	0	0	Yes	No	Stable						15.30	Y		N	22.40	N
CLF1B-3	20/20	0%	-	164	170	349.3	355	8064	89.8	0.5476	NA	mg/L	N	0	0	No	No	Increasing						355.00	Y		Y	357.67	N
CLF1B-4	20/20	0%	-	17.8	15.7	31.26	34.3	36.94	6.078	0.341	NA	mg/L	N	0	0	Yes	No	Decreasing						26.60	Y		N	34.30	N
CLF1B-5	21/21	0%	-	175	177	278	291	6165	78.52	0.4485	NA	mg/L	N	0	0	No	No	Increasing	262.00	Y		Y	414.24	N					
CCR Appendix-III: Total Dissolved Solids (TDS) (mg/L)																													
CBW-1	20/21	5%	40-40	125	132	178.8	181.2	1173	34.25	0.2733	NA	mg/L	N	0	0	Yes	No	Stable	Normal	260.58									
PM-1	24/25	4%	40-40	132	130	200	206	1591	39.88	0.3013	NA	mg/L	N	0	0	No	No	Stable											
CLF1B-1	20/20	0%	-	585	582.8	648.8	651.7	1167	34.15	0.05842	NA	mg/L	N	0	0	No	No	Stable						583.80	Y		Y	715.00	N
CLF1B-2	20/20	0%	-	482	480.6	572.5	597.5	3555	59.63	0.1237	NA	mg/L	N	0	0	No	No	Stable						571.20	Y		Y	653.06	N
CLF1B-3	20/20	0%	-	811	602.8	1063	5355	1167000	1080	1.333	NA	mg/L	N	0	0	Yes	No	Stable						791.20	Y		Y	5355.00	N
CLF1B-4	20/20	0%	-	383	377.5	515.7	552.5	6083	77.99	0.2037	NA	mg/L	N	0	0	No	No	Increasing						490.00	Y		Y	593.14	N
CLF1B-5	21/21	0%	-	910	921.2	1155	1176	32750	181	0.1989	NA	mg/L	N	0	0	Yes	No	Increasing	1148.00	Y		Y	1430.81	N					

## **Appendix B – Laboratory Analytical Reports**



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

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

**Sample #** AF24801      **Location:** GW Well PM-1      **Date:** 01/24/2022      **Sample Collector:** BRT/BSB  
**Loc. Code** PM-1      **Time:** 11:40

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: 

Validated date: 5/23/22

Linda Williams - Supervisor Analytical Services

**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: 

Validated date: 5/12/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF24794    **Location:** GW Well CLF1B-1    **Date:** 01/24/2022    **Sample Collector:** BRT/BSB  
**Loc. Code** CLF1B-1    **Time:** 13:29

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/17/2022	SJHATCHE	EPA 6010C
Barium	130	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Boron	10.1	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Calcium	166	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Cobalt	2.36	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Iron	131	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Lead	<2.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Zinc	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	568.8	mg/L	01/28/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	42.2	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	154	mg/L	01/26/2022	KCWELLS	EPA 300.0
pH	6.74	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: 

Validated date: 5/12/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF24795    **Location:** GW Well CLF1B-1    **Date:** 01/24/2022    **Sample Collector:** BRT/BSB  
**Loc. Code** CLF1B-1    **DUP**    **Time:** 13:34

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/17/2022	SJHATCHE	EPA 6010C
Barium	128	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Boron	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Calcium	164	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Cobalt	2.64	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Iron	98.3	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Lead	<2.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Zinc	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	586.2	mg/L	01/28/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	42.4	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	147	mg/L	01/26/2022	KCWELLS	EPA 300.0

**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: 5/12/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF24796    **Location:** GW Well CLF1B-2    **Date:** 01/24/2022    **Sample Collector:** BRT/BSB  
**Loc. Code** CLF1B-2    **Time:** 14:43

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/17/2022	SJHATCHE	EPA 6010C
Barium	161	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Boron	16.8	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Calcium	130	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Cobalt	1.70	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Iron	142	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Lead	<2.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Zinc	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	436.2	mg/L	01/28/2022	COAMESWA	SM 2540C
Fluoride	<0.10	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	86.4	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	14.4	mg/L	01/26/2022	KCWELLS	EPA 300.0
pH	6.97	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: 

Validated date: 5/12/22

Linda Williams - Supervisor Analytical Services



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

**Sample #** AF24797    **Location:** GW Well CLF1B-3    **Date:** 01/24/2022    **Sample Collector:** BRT/BSB  
**Loc. Code** CLF1B-3    **Time:** 16:12

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/17/2022	SJHATCHE	EPA 6010C
Barium	72.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Boron	71	ug/L	02/13/2022	PACE	EPA 6010D
Cadmium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Calcium	185	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Cobalt	13.7	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Chromium	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Iron	2260	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Lead	<2.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Zinc	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	643.8	mg/L	01/28/2022	KCWELLS	SM 2540C
Fluoride	0.14	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	23.7	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	245	mg/L	01/26/2022	KCWELLS	EPA 300.0
pH	6.62	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: 

Validated date: 5/12/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF24798    **Location:** GW Well CLF1B-4    **Date:** 01/24/2022    **Sample Collector:** BRT/BSB  
**Loc. Code** CLF1B-4    **Time:** 17:39

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/17/2022	SJHATCHE	EPA 6010C
Barium	53.7	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Boron	18.3	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Calcium	116	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Cobalt	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Iron	32.7	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Lead	<2.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Zinc	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	417.5	mg/L	01/28/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	99.3	mg/L	03/02/2022	KCWELLS	EPA 300.0
Sulfate	18.1	mg/L	01/26/2022	KCWELLS	EPA 300.0
pH	7.05	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: 

Validated date: 5/12/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF24799    **Location:** GW Well CLF1B-5    **Date:** 01/25/2022    **Sample Collector:** BRT/BSB  
**Loc. Code** CLF1B-5    **Time:** 10:06

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/17/2022	SJHATCHE	EPA 6010C
Barium	110	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Boron	16.5	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Calcium	276	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Cobalt	4.19	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Iron	1220	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Lead	<2.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Zinc	11.2	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Total Dissolved Solids	1132	mg/L	02/05/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	152	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	291	mg/L	01/26/2022	KCWELLS	EPA 300.0
pH	6.64	SU	01/25/2022	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: 

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 # 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: 

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: 

Validated date: 9/12/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF36894    **Location:** GW Well CLF1B-1    **Date:** 06/27/2022    **Sample Collector:** DEW/ML  
**Loc. Code** CLF1B-1    **Time:** 09:26

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C
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	130	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	08/05/2022	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	180.0	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	2.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	130	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Magnesium	3.00	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/05/2022	R&C	EPA 6010D
Potassium	0.900	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	22.0	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/05/2022	R&C	EPA 6020B
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	0.14	mg/L	06/28/2022	KCWELLS	EPA 300.0
Chloride	42.4	mg/L	06/28/2022	KCWELLS	EPA 300.0
Sulfate	149	mg/L	06/28/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	583.8	mg/L	07/05/2022	KCWELLS	SM 2540C
pH	6.78	SU	06/27/2022	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: 

Validated date: 9/6/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF36895    **Location:** GW Well CLF1B-1    **Date:** 06/27/2022    **Sample Collector:** DEW/ML  
**Loc. Code** CLF1B-1    **DUP**    **Time:** 09:31

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C
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	120	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	08/05/2022	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	190.0	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	3.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	<50	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Magnesium	2.90	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/05/2022	R&C	EPA 6010D
Potassium	0.800	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	21.0	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/05/2022	R&C	EPA 6020B
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	0.11	mg/L	06/28/2022	KCWELLS	EPA 300.0
Chloride	42.1	mg/L	06/28/2022	KCWELLS	EPA 300.0
Sulfate	146	mg/L	06/28/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	586.2	mg/L	07/05/2022	KCWELLS	SM 2540C

**Comments:**

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

Analysis Validated: 

Validated date: 9/6/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF36896    **Location:** GW Well CLF1B-2    **Date:** 06/27/2022    **Sample Collector:** DEW/ML  
**Loc. Code** CLF1B-2    **Time:** 10:55

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C
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	160	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	08/05/2022	R&C	EPA 6020B
Boron	20.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Calcium	140.0	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	3.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	280	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Magnesium	2.10	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/05/2022	R&C	EPA 6010D
Potassium	0.400	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	9.20	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/05/2022	R&C	EPA 6020B
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	<0.10	mg/L	06/28/2022	KCWELLS	EPA 300.0
Chloride	89.3	mg/L	06/28/2022	KCWELLS	EPA 300.0
Sulfate	15.3	mg/L	06/28/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	571.2	mg/L	07/05/2022	KCWELLS	SM 2540C
pH	6.85	SU	06/27/2022	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: 

Validated date: 9/6/22

Linda Williams - Supervisor Analytical Services



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

**Sample #** AF36897    **Location:** GW Well CLF1B-3    **Date:** 06/27/2022    **Sample Collector:** DEW/ML  
**Loc. Code** CLF1B-3    **Time:** 11:44

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C
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	08/05/2022	R&C	EPA 6020B
Boron	120.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Calcium	230.0	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	8.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	4000	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Magnesium	8.20	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/05/2022	R&C	EPA 6010D
Potassium	1.30	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	6.50	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/05/2022	R&C	EPA 6020B
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	0.20	mg/L	06/28/2022	KCWELLS	EPA 300.0
Chloride	22.8	mg/L	06/28/2022	KCWELLS	EPA 300.0
Sulfate	355	mg/L	06/28/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	791.2	mg/L	07/05/2022	KCWELLS	SM 2540C
pH	6.73	SU	06/27/2022	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: 

Validated date: 9/6/22

Linda Williams - Supervisor Analytical Services

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

**Sample #** AF36898    **Location:** GW Well CLF1B-4    **Date:** 06/27/2022    **Sample Collector:** DEW/ML  
**Loc. Code** CLF1B-4    **Time:** 12:53

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C
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	56.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	08/05/2022	R&C	EPA 6020B
Boron	27.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Calcium	140.0	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	<50	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Magnesium	3.10	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/05/2022	R&C	EPA 6010D
Potassium	0.600	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	12.0	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/05/2022	R&C	EPA 6020B
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	<0.10	mg/L	06/28/2022	KCWELLS	EPA 300.0
Chloride	100	mg/L	06/28/2022	KCWELLS	EPA 300.0
Sulfate	26.6	mg/L	06/28/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	490.0	mg/L	07/05/2022	KCWELLS	SM 2540C
pH	6.93	SU	06/27/2022	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: 

Validated date: 9/6/22

Linda Williams - Supervisor Analytical Services



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SANTEE COOPER ANALYTICAL SERVICES  
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LAB CERTIFICATION #08552

Sample # AF36899    Location: GW Well CLF1B-5    Date: 06/27/2022    Sample Collector: DEW/ML  
Loc. Code CLF1B-5    Time: 13:48

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C
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	120	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	08/05/2022	R&C	EPA 6020B
Boron	26.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Calcium	290.0	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	4.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	1800	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Magnesium	4.70	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/05/2022	R&C	EPA 6010D
Potassium	1.10	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/05/2022	R&C	EPA 6010D
Sodium	20.0	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/05/2022	R&C	EPA 6020B
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	<0.10	mg/L	06/28/2022	KCWELLS	EPA 300.0
Chloride	168	mg/L	06/28/2022	KCWELLS	EPA 300.0
Sulfate	262	mg/L	06/28/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1148	mg/L	07/05/2022	KCWELLS	SM 2540C
pH	6.66	SU	06/27/2022	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: 

Validated date: 9/6/22

Linda Williams - Supervisor Analytical Services

**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
Dissolved 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 &amp; Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"- Rogers &amp; Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



Validated date:12/13/22

Linda Williams - Manager Analytical Services

**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
Dissolved 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 &amp; Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"- Rogers &amp; Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



Validated date:12/13/22

Linda Williams - Manager Analytical Services

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47634 Location: GW Well CLF1B-1 Date: 10/31/2022 Sample Collector: WJK/DJ

Loc. Code CLF1B-1 Time: 11:27

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	129	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	168.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Cobalt	3.06	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	12.7	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	14.4	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	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Sodium	24.2	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	3.00	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Manganese	126.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	11/02/2022	GEL	EPA 9034
Total Organic Carbon	1.71	mg/L	11/04/2022	GEL	SM 5310B
Dissolved Organic Carbon	2.81	mg/L	11/04/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.02	mg/L	11/04/2022	GEL	EPA 353.2
Nitrite	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Nitrate	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Fluoride	0.11	mg/L	11/04/2022	KCWELLS	EPA 300.0
Chloride	36.7	mg/L	11/04/2022	KCWELLS	EPA 300.0
Sulfate	134	mg/L	11/04/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	576.2	mg/L	11/03/2022	LCWILLIA	SM 2540C
Radium 226	0.465	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
Radium 228	1.82	pCi/L	11/28/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.28	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
pH	6.55	SU	10/31/2022	WJK/DJ	
Alkalinity	298	mg/L	11/09/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/09/2022	GEL	SM2320B
Bicarbonate Alkalinity	298	mg/L	11/09/2022	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	9	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	79	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	117	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:



Validated date:12/13/22

Linda Williams - Manager Analytical Services

**SANTEE COOPER ANALYTICAL SERVICES**
**CERTIFICATE OF ANALYSIS**
**LAB CERTIFICATION #08552**
**Sample # AF47635      Location: GW Well CLF1B-1      Date: 10/31/2022      Sample Collector: WJK/DJ**
**Loc. Code CLF1B-1      DUP      Time: 11:32**

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	134	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	175.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	3.13	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	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	12.1	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	15.2	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/12/2022	EUROFINS SAV	EPA 7470
Iron	<100	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Sodium	25.0	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	3.06	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	130.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	11/02/2022	GEL	EPA 9034
Total Organic Carbon	1.66	mg/L	11/04/2022	GEL	SM 5310B
Dissolved Organic Carbon	2.67	mg/L	11/04/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.02	mg/L	11/04/2022	GEL	EPA 353.2
Nitrite	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Nitrate	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Fluoride	0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Chloride	36.6	mg/L	11/04/2022	KCWELLS	EPA 300.0
Sulfate	133	mg/L	11/04/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	578.8	mg/L	11/03/2022	LCWILLIA	SM 2540C
Radium 226	0.570	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
Radium 228	2.42	pCi/L	11/28/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.99	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
Alkalinity	300	mg/L	11/09/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/09/2022	GEL	SM2320B
Bicarbonate Alkalinity	300	mg/L	11/09/2022	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	10	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	82	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	118	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 &amp; Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"- Rogers &amp; Callcot, Inc.- Lab ID # 23105001

**Analysis Validated:**


Validated date:12/13/22

Linda Williams - Manager Analytical Services

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

**Sample #** AF47636    **Location:** GW Well CLF1B-2    **Date:** 10/31/2022    **Sample Collector:** WJK/DJ  
**Loc. Code** CLF1B-2    **Time:** 12:40

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	184	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	138.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	3.64	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	20.2	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	402	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Sodium	10.0	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	2.19	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	157.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	11/02/2022	GEL	EPA 9034
Total Organic Carbon	<1	mg/L	11/05/2022	GEL	SM 5310B
Dissolved Organic Carbon	2.22	mg/L	11/04/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.02	mg/L	11/04/2022	GEL	EPA 353.2
Nitrite	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Nitrate	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Fluoride	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Chloride	87.9	mg/L	11/04/2022	KCWELLS	EPA 300.0
Sulfate	14.1	mg/L	11/04/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	536.2	mg/L	11/03/2022	LCWILLIA	SM 2540C
Radium 226	0.237	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
Radium 228	1.25	pCi/L	11/28/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.49	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
pH	6.81	SU	10/31/2022	WJK/DJ	
Alkalinity	244	mg/L	11/09/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/09/2022	GEL	SM2320B
Bicarbonate Alkalinity	244	mg/L	11/09/2022	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	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	338	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	144	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

**Comments:**

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

**Analysis Validated:**


Validated date:12/13/22

Linda Williams - Manager Analytical Services



**SANTEE COOPER ANALYTICAL SERVICES**
**CERTIFICATE OF ANALYSIS**
**LAB CERTIFICATION #08552**
**Sample # AF47637    Location: GW Well CLF1B-3    Date: 10/31/2022    Sample Collector: WJK/DJ**
**Loc. Code CLF1B-3    Time: 13:42**

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	80.4	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	222.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	14.20	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	140	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	<0.4	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	2080	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Sodium	7.35	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Magnesium	7.11	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	693.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	11/02/2022	GEL	EPA 9034
Total Organic Carbon	2.47	mg/L	11/05/2022	GEL	SM 5310B
Dissolved Organic Carbon	3.70	mg/L	11/04/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.02	mg/L	11/04/2022	GEL	EPA 353.2
Nitrite	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Nitrate	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Fluoride	0.12	mg/L	11/04/2022	KCWELLS	EPA 300.0
Chloride	18.0	mg/L	11/04/2022	KCWELLS	EPA 300.0
Sulfate	338	mg/L	11/04/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	787.5	mg/L	11/03/2022	LCWILLIA	SM 2540C
Radium 226	0.564	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
Radium 228	0.681	pCi/L	11/28/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.25	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
pH	6.68	SU	10/31/2022	WJK/DJ	
Alkalinity	247	mg/L	11/09/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/09/2022	GEL	SM2320B
Bicarbonate Alkalinity	247	mg/L	11/09/2022	GEL	SM 2320B
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	14	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	1970	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	664	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 &amp; Brown Lab ID # 21117; "Shealy"- Shealy Environmental Services, Inc.- Lab ID# 32010 "ROGERSCALLCO"- Rogers &amp; Callcot, Inc.- Lab ID # 23105001

Analysis Validated:



Validated date:12/13/22

Linda Williams - Manager Analytical Services

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

**Sample #** AF47638    **Location:** GW Well CLF1B-4    **Date:** 10/31/2022    **Sample Collector:** WJK/DJ  
**Loc. Code** CLF1B-4    **Time:** 14:32

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	61.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	130.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	26.5	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	<100	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Sodium	11.8	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	3.14	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	8.3	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	11/02/2022	GEL	EPA 9034
Total Organic Carbon	<1	mg/L	11/05/2022	GEL	SM 5310B
Dissolved Organic Carbon	1.63	mg/L	11/04/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.02	mg/L	11/04/2022	GEL	EPA 353.2
Nitrite	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Nitrate	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Fluoride	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Chloride	99.5	mg/L	11/04/2022	KCWELLS	EPA 300.0
Sulfate	23.8	mg/L	11/04/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	553.8	mg/L	11/03/2022	LCWILLIA	SM 2540C
Radium 226	0.739	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
Radium 228	1.73	pCi/L	11/28/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.47	pCi/L	11/29/2022	GEL	EPA 903.1 Mod
pH	6.96	SU	10/31/2022	WJK/DJ	
Alkalinity	211	mg/L	11/09/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/09/2022	GEL	SM2320B
Bicarbonate Alkalinity	211	mg/L	11/09/2022	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	<50	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	8	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

**Comments:**

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

**Analysis Validated:**


Validated date:12/13/22

Linda Williams - Manager Analytical Services

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

**Sample #** AF47639    **Location:** GW Well CLF1B-5    **Date:** 11/01/2022    **Sample Collector:** WJK/TC  
**Loc. Code** CLF1B-5    **Time:** 10:13

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	126	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	274.0	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	4.20	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	24.4	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Lithium	5.33	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	1750	ug/l	11/09/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Sodium	19.9	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	4.76	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	305.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	11/07/2022	GEL	EPA 9034
Total Organic Carbon	1.52	mg/L	11/10/2022	GEL	SM 5310B
Dissolved Organic Carbon	1.61	mg/L	11/10/2022	GEL	SM 5310B
Nitrite	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Nitrate	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Fluoride	<0.10	mg/L	11/04/2022	KCWELLS	EPA 300.0
Chloride	180	mg/L	11/04/2022	KCWELLS	EPA 300.0
Sulfate	264	mg/L	11/04/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1099	mg/L	11/07/2022	LCWILLIA	SM 2540C
Radium 226	1.02	pCi/L	11/15/2022	SUB_GEL	EPA 903.1 Mod
Radium 228	0.542	pCi/L	11/10/2022	SUB_GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.56	pCi/L	11/16/2022	SUB_GEL	EPA 903.1 Mod
pH	6.47	SU	11/01/2022	WJK/TG	
Alkalinity	273	mg/L	11/14/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/14/2022	GEL	SM2320B
Bicarbonate Alkalinity	273	mg/L	11/14/2022	GEL	SM 2320B
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	1490	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	305	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

**Comments:**

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

**Analysis Validated:**


Validated date:12/13/22

Linda Williams - Manager Analytical Services



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.

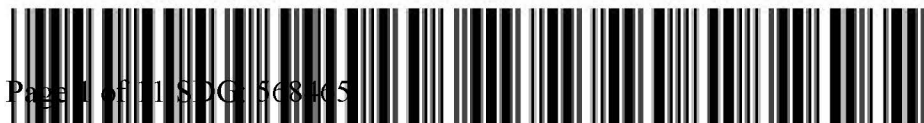
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Grace Bodiford for  
Julie Robinson  
Project Manager

Purchase Order: 367074  
Enclosures



## 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.

*Grace Bodiford*

Reviewed by \_\_\_\_\_

# 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

Page 1 of 2

**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
<b>Rad Gas Flow</b>											
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							
<b>Rad Ra-226</b>											
Batch	2222580										
QC1205006430	568465001	DUP									
Radium-226		0.644		0.305	pCi/L	71.4		(0% - 100%)	LXPI	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.



# GEL LABORATORIES LLC

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

## QC Summary

Workorder: 568465

Page 2 of 2

Parname	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.									
NI		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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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 jwillia@santecooper.com & sibrown@santecooper.com

# Chain of Custody

568463  
568465



Customer Email/Report Recipient:

Date Results Needed by:

Project/Task/Unit #:

Rerun request for any flagged QC

LCWILLIA @santecooper.com

/ /

121567 / JM02.09.G01 / 36500

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	TOC	RAD 226	RAD 228	TOTAL RAD CALC
AF24794	CLFIB-1	1/24/22	1329	BRT BSB	1	B	G	GW	1/4					
95	CLFIB-1 DUP		1334											
96	CLFIB-2		1443											
97	CLFIB-3		1612											
98	CLFIB-4		1739											
AF24776	CBW-1		0954		3	P/G			1/4/12					X
801	FM-1		1140		3									X

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Sibrown	35594	1/25/22	0908	JAD	GEL	1/25/22	0908
JAD	661	1-25-22	15:47	JAD	GEL	1-25-22	0935

Sample Receiving (Internal Use Only)  
 TEMP (°C): \_\_\_\_\_ Initial: \_\_\_\_\_  
 Correct pH: Yes No  
 Preservative Lot#: 15217  
 Date/Time/Init for preservative: \_\_\_\_\_

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> Wallboard Gypsum (all below) <input type="checkbox"/> XRF <input type="checkbox"/> EOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Salts <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Annomia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> Ash <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Crude Oil Qual. <input type="checkbox"/> Petroleum <input type="checkbox"/> Crude <input type="checkbox"/> Ash <input type="checkbox"/> Petroleum Strength <input type="checkbox"/> BTU <input type="checkbox"/> Emulsified Asph <input type="checkbox"/> Used Oil <input type="checkbox"/> Fuel <input type="checkbox"/> Methanol <input type="checkbox"/> CALEXT <input type="checkbox"/> TSS <input type="checkbox"/> COD/BOD
--	--	---	--	---	---	---

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oil-oil, S-Soil, SL-solid, G-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)  
 Preservative codes: 1=HNO3 2=H2SO4 3=HCl 4=HCl 5=Na2S2O3 6-Other (Specify)



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?  Yes  No 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?  Yes  No COC notation or radioactive stickers on containers equal client designation.  
 C) Did the RSO classify the samples as radioactive?  Yes  No 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?  Yes  No COC notation or hazard labels on containers equal client designation.  
 E) Did the RSO identify possible hazards?  Yes  No 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Preservation Method: <u>Wet Ice</u> Ice Packs Dry ice None Other: _____ *all temperatures recorded in Celsius TEMP: <u>3</u>
4	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <u>IR2-21</u> Secondary Temperature Device Serial # (If Applicable): _____
5	Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and Containers Affected: _____ If Preservation added, Lot#: _____
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected: _____
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and containers affected: _____
10	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

PMI (or PMA) review: Initials GB Date 1/26/22 Page 1 of 1

**List of current GEL Certifications as of 21 February 2022**

<b>State</b>	<b>Certification</b>
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

February 17, 2022

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

RE: Project: 121567  
Pace Project No.: 92585907

Dear Sherri Brown:

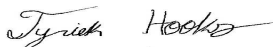
Enclosed are the analytical results for sample(s) received by the laboratory on February 02, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise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

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

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

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

Sincerely,



Tyriek Hooks  
tyriek.hooks@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures

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



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 121567  
Pace Project No.: 92585907

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### **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

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### **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

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## REPORT OF LABORATORY ANALYSIS

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### 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

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## ANALYTICAL RESULTS

Project: 121567  
Pace Project No.: 92585907

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: AF24794</b>								
<b>Lab ID: 92585907001</b>								
Collected: 01/24/22 13:29    Received: 02/02/22 11:00    Matrix: Water								
<b>6010D ATL ICP</b>								
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

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### 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
<b>6010D ATL ICP</b>								
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	

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## 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
<b>6010D ATL ICP</b>								
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	

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### 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
<b>6010D ATL ICP</b>								
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	

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## ANALYTICAL RESULTS

Project: 121567  
Pace Project No.: 92585907

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: AF24798</b>								
<b>Lab ID: 92585907005</b>								
Collected: 01/24/22 17:39    Received: 02/02/22 11:00    Matrix: Water								
<b>6010D ATL ICP</b>								
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	

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### 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
<b>6010D ATL ICP</b>								
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	

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### 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
<b>6010D ATL ICP</b>								
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	

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### 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
<b>6010D ATL ICP</b>								
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	

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### 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
<b>6010D ATL ICP</b>								
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	

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## 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
<b>6010D ATL ICP</b>								
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	
<b>6010 MET ICP</b>								
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	
<b>7470 Mercury</b>								
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	

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## 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
<b>6010D ATL ICP</b>								
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	
<b>6010 MET ICP</b>								
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	
<b>7470 Mercury</b>								
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	

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### ANALYTICAL RESULTS

Project: 121567  
Pace Project No.: 92585907

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: AF24803      Lab ID: 92585907012      Collected: 01/25/22 12:22      Received: 02/02/22 11:00      Matrix: Water</b>								
<b>6010D ATL ICP</b>								
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	
<b>6010 MET ICP</b>								
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	
<b>7470 Mercury</b>								
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	

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### 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
<b>6010D ATL ICP</b>								
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	
<b>6010 MET ICP</b>								
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	
<b>7470 Mercury</b>								
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

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## 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
<b>6010D ATL ICP</b>								
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	
<b>6010 MET ICP</b>								
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	
<b>7470 Mercury</b>								
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

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## 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
<b>6010D ATL ICP</b>								
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	
<b>6010 MET ICP</b>								
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	
<b>7470 Mercury</b>								
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

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### QUALITY CONTROL DATA

Project: 121567  
Pace Project No.: 92585907

QC Batch: 677938      Analysis Method: EPA 6010D  
QC Batch Method: EPA 3010A      Analysis Description: 6010D ATL  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92585907001, 92585907002, 92585907003, 92585907004, 92585907005, 92585907006, 92585907007, 92585907008, 92585907009, 92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015

METHOD BLANK: 3548157      Matrix: Water  
Associated Lab Samples: 92585907001, 92585907002, 92585907003, 92585907004, 92585907005, 92585907006, 92585907007, 92585907008, 92585907009, 92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015

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	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
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

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**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		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result					
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**

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### QUALITY CONTROL DATA

Project: 121567  
Pace Project No.: 92585907

QC Batch: 676661 Analysis Method: EPA 6010D  
QC Batch Method: EPA 3010A 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		3541766		3541767		% Rec	% Rec	% Rec	Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
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.

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## QUALIFIERS

Project: 121567  
Pace Project No.: 92585907

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### 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.

## REPORT OF LABORATORY ANALYSIS

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### 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

### REPORT OF LABORATORY ANALYSIS

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

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

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition Upon Receipt

Client Name:  
*Santee Cooper*

Project #:

WO#: 92585907



Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other: \_\_\_\_\_

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

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

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  IR Gun ID: *NA* Type of Ice:  Wet  Blue  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  N/A, water sample

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

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)?  Yes  No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <i>WT</i>	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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#	BP41U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP30U-250 mL Plastic Unpreserved (N/A)	BP20U-500 mL Plastic Unpreserved (N/A)	BP10U-1 liter Plastic Unpreserved (N/A)	BP45-125 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-)	WGFLU-Wide-mouthed Glass jar Unpreserved	AG10U-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(OG3A)-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)	AG9U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
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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).



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

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.  
 Exceptions: VOA, Coliform, TOC, Oil and Grease, DRQ/RO15 (water) DOC, LLHg

Project #

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

Item #	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	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) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	VG6U-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(C-)	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)-S035 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																												
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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 field, incorrect preservative, out of temp, incorrect containers).



# Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:            Project/Task/Unit #: 121567 / JM02.09.GW / 36500 Run request for any flagged QC Yes No

**92585907**

Analysis Group

Labworks ID # (Internal use only)	Sample Location/Description	Collection Date	Collection Time	Sample Collection	Total # of containers	Bottle type (Glass/G/Plastic/P)	Size (liters/Composites (C))	Matrix (see below)	Preservative (see below)	Comments	B	Li	Mo	Hg
001 AF24794	CLFIB-1	1/24/22	1329	BRT/BSB	1	P	G	GW	2	B-6010 RL = NONE	X			
002 95	CLFIB-1 DUP		1334							Mo 6010 RL = 100 PPB	X			
003 96	CLFIB-2		1443							Li 6010 RL = 40 PPB	X			
004 97	CLFIB-3		1612							Hg 7470 RL = 2 PPB	X			
005 98	CLFIB-4		1739								X			
010 AF24776	CBW-1		0954							* PLEASE SEND SAMPLES TO ATLANTA FOR BORON.	X	X	X	X
011 801	PM-1		1140								X	X	X	X
006 AF24800	CLFIB-5D	1/25/22	1101								X			
007 804	POE-5D		1321								X			

Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time
<i>Sibrown</i>	35574	2/1/22	1530				
				A. Knicker	PACE/PVL	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)			MISC.		
<input type="checkbox"/> Ag	<input type="checkbox"/> Cu	<input type="checkbox"/> Sb	<input type="checkbox"/> BTEX	<input type="checkbox"/> Chloride	<input type="checkbox"/> Cyanide
<input type="checkbox"/> Al	<input type="checkbox"/> Fe	<input type="checkbox"/> Se	<input type="checkbox"/> Naphthalene	<input type="checkbox"/> Lead	<input type="checkbox"/> Fluoride
<input type="checkbox"/> As	<input type="checkbox"/> K	<input type="checkbox"/> Sn	<input type="checkbox"/> THM/THAA	<input type="checkbox"/> Cad	<input type="checkbox"/> Nitrate
<input type="checkbox"/> B	<input type="checkbox"/> Li	<input type="checkbox"/> Sr	<input type="checkbox"/> VOC	<input type="checkbox"/> Zinc	<input type="checkbox"/> Nitrite
<input type="checkbox"/> Ba	<input type="checkbox"/> Mg	<input type="checkbox"/> Ta	<input type="checkbox"/> Oil & Grease	<input type="checkbox"/> Barium	<input type="checkbox"/> Phosphate
<input type="checkbox"/> Be	<input type="checkbox"/> Mn	<input type="checkbox"/> Te	<input type="checkbox"/> B, Cd, Cr	<input type="checkbox"/> Boron	<input type="checkbox"/> Silica
<input type="checkbox"/> Ca	<input type="checkbox"/> Mo	<input type="checkbox"/> U	<input type="checkbox"/> Total Coliform	<input type="checkbox"/> Bromide	<input type="checkbox"/> Sulfate
<input type="checkbox"/> Cd	<input type="checkbox"/> Na	<input type="checkbox"/> V	<input type="checkbox"/> pH	<input type="checkbox"/> Chloride	<input type="checkbox"/> Sulfide
<input type="checkbox"/> Co	<input type="checkbox"/> Ni	<input type="checkbox"/> W	<input type="checkbox"/> Dissolved A	<input type="checkbox"/> Chloride	<input type="checkbox"/> Total Solids
<input type="checkbox"/> Cr	<input type="checkbox"/> Pb	<input type="checkbox"/> X	<input type="checkbox"/> Dissolved Fe	<input type="checkbox"/> Chloride	<input type="checkbox"/> Total Solids
			<input type="checkbox"/> Rad 226	<input type="checkbox"/> Chloride	<input type="checkbox"/> Total Solids
			<input type="checkbox"/> Rad 228	<input type="checkbox"/> Chloride	<input type="checkbox"/> Total Solids
			<input type="checkbox"/> PCB	<input type="checkbox"/> Chloride	<input type="checkbox"/> Total Solids

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boller water, L-limestone, OIl-oil, S-Soll; SL-solid, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)  
 Preservative code- 1=4°C 2=HNO<sub>3</sub> 3=H<sub>2</sub>SO<sub>4</sub> 4-HCl 5=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-Other (Specify)

# Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:      Project/Task/Unit #: 121547 / JMD2.09.G01 / 36500 Rerun request for any flagged QC Yes No

**Analysis Group**

008  
012  
013  
014  
015  
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Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Sample Type (Glass/ Plastic/P)	Grab (G) or Composite (C)	Matrix (See Below)	Preservative Use (Yes/No)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	As	Li	Mo	Hg
AF24799	CLFIB-5	1/25/22	1006	BRT/BSB	1	P	G	GW	Z	B 6010 RL= NONE	X			
AF24803	POZ-4		1222							Mo 6010 RL= 100 PPB	X	X	X	X
L 805	POZ-6		1504							Li 6010 RL= 40 PPB	X	X	X	X
AF24806	POZ-7	1/26/22	1030							Hg 7470 RL= 2 PPB	X	X	X	X
AF24807	POZ-7 DUP		1035								X	X	X	X
AF24802	POZ-3		1342							*PLEASE SEND SAMPLES TO ATLANTA FOR BSN.	X			

Relinquished by	Employee #	Date	Time	Received by	Employee #	Date	Time
slbrown	35594	2/1/22	1530				
				A. Rucker	PAGE/AVL	2-2-22	11:00

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

<input type="checkbox"/> METALS (all)			<input type="checkbox"/> MISC		
<input type="checkbox"/> Ag	<input type="checkbox"/> Cu	<input type="checkbox"/> Sb	<input type="checkbox"/> BITEX	<input type="checkbox"/> Nitrate	<input type="checkbox"/> Nitrite
<input type="checkbox"/> Al	<input type="checkbox"/> Fe	<input type="checkbox"/> Se	<input type="checkbox"/> TMM/HAA	<input type="checkbox"/> Oil & Grease	<input type="checkbox"/> Coli
<input type="checkbox"/> As	<input type="checkbox"/> K	<input type="checkbox"/> Sn	<input type="checkbox"/> VOC	<input type="checkbox"/> Total Coliform	<input type="checkbox"/> pH
<input type="checkbox"/> B	<input type="checkbox"/> Li	<input type="checkbox"/> Sr	<input type="checkbox"/> Dissolved As	<input type="checkbox"/> Dissolved Fe	<input type="checkbox"/> Rad 226
<input type="checkbox"/> Ba	<input type="checkbox"/> Mg	<input type="checkbox"/> Tl	<input type="checkbox"/> Rad 228	<input type="checkbox"/> PCB	
<input type="checkbox"/> Be	<input type="checkbox"/> Mn	<input type="checkbox"/> Ti			
<input type="checkbox"/> Ca	<input type="checkbox"/> Mo	<input type="checkbox"/> V			
<input type="checkbox"/> Cd	<input type="checkbox"/> Na	<input type="checkbox"/> Zn			
<input type="checkbox"/> Co	<input type="checkbox"/> Ni	<input type="checkbox"/> Hg			
<input type="checkbox"/> Cr	<input type="checkbox"/> Pb	<input type="checkbox"/> CrVI			

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<sub>3</sub> 3=H<sub>2</sub>SO<sub>4</sub> 4=HCl 5=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6=Other (Specify)

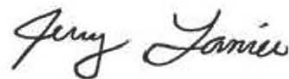
## ANALYTICAL REPORT

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



---

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

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

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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# Case Narrative

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

Job ID: 680-220687-1

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## Job ID: 680-220687-1

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### Laboratory: Eurofins Savannah

#### Narrative

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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 revised 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.

- 1
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# 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



# Definitions/Glossary

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

Job ID: 680-220687-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
⌘	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

<b>Client Sample ID: AF36905</b>	<b>Lab Sample ID: 680-220687-1</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36906</b>	<b>Lab Sample ID: 680-220687-2</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36907</b>	<b>Lab Sample ID: 680-220687-3</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36908</b>	<b>Lab Sample ID: 680-220687-4</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36886</b>	<b>Lab Sample ID: 680-220687-5</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36887</b>	<b>Lab Sample ID: 680-220687-6</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36888</b>	<b>Lab Sample ID: 680-220687-7</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36889</b>	<b>Lab Sample ID: 680-220687-8</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36890</b>	<b>Lab Sample ID: 680-220687-9</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36891</b>	<b>Lab Sample ID: 680-220687-10</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36892</b>	<b>Lab Sample ID: 680-220687-11</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36893</b>	<b>Lab Sample ID: 680-220687-12</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36901</b>	<b>Lab Sample ID: 680-220687-13</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36903</b>	<b>Lab Sample ID: 680-220687-14</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36861</b>	<b>Lab Sample ID: 680-220687-15</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: AF36863</b>	<b>Lab Sample ID: 680-220687-16</b>
<input type="checkbox"/> No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

# Detection Summary

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

Job ID: 680-220687-1

**Client Sample ID: AF36864** **Lab Sample ID: 680-220687-17**

No Detections.

**Client Sample ID: AF36865** **Lab Sample ID: 680-220687-18**

No Detections.

**Client Sample ID: AF36866** **Lab Sample ID: 680-220687-19**

No Detections.

**Client Sample ID: AF36867** **Lab Sample ID: 680-220687-20**

No Detections.

**Client Sample ID: AF36868** **Lab Sample ID: 680-220687-21**

No Detections.

**Client Sample ID: AF36869** **Lab Sample ID: 680-220687-22**

No Detections.

**Client Sample ID: AF36870** **Lab Sample ID: 680-220687-23**

No Detections.

**Client Sample ID: AF36871** **Lab Sample ID: 680-220687-24**

No Detections.

**Client Sample ID: AF36874** **Lab Sample ID: 680-220687-25**

No Detections.

**Client Sample ID: AF36876** **Lab Sample ID: 680-220687-26**

No Detections.

**Client Sample ID: AF36877** **Lab Sample ID: 680-220687-27**

No Detections.

**Client Sample ID: AF36878** **Lab Sample ID: 680-220687-28**

No Detections.

**Client Sample ID: AF36879** **Lab Sample ID: 680-220687-29**

No Detections.

**Client Sample ID: AF36880** **Lab Sample ID: 680-220687-30**

No Detections.

**Client Sample ID: AF36881** **Lab Sample ID: 680-220687-31**

No Detections.

**Client Sample ID: AF36882** **Lab Sample ID: 680-220687-32**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

# Detection Summary

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

Job ID: 680-220687-1

---

**Client Sample ID: AF36883**

**Lab Sample ID: 680-220687-33**

No Detections.

---

**Client Sample ID: AF36884**

**Lab Sample ID: 680-220687-34**

No Detections.

- 1
- 2
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- 9
- 10
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- 12
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This Detection Summary does not include radiochemical test results.

Eurofins Savannah

# Client Sample Results

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**

**Date Collected: 06/28/22 13:22**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:40	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36906**

**Lab Sample ID: 680-220687-2**

**Date Collected: 06/28/22 14:41**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:37	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36907**

**Lab Sample ID: 680-220687-3**

**Date Collected: 06/28/22 14:46**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:44	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36908**

**Lab Sample ID: 680-220687-4**

**Date Collected: 06/28/22 10:50**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:48	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36886**

**Lab Sample ID: 680-220687-5**

**Date Collected: 06/29/22 10:33**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:51	1

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



# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36887**

**Lab Sample ID: 680-220687-6**

**Date Collected: 06/29/22 11:40**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:54	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36888**

**Lab Sample ID: 680-220687-7**

**Date Collected: 06/21/22 10:04**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:02	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36889**

**Lab Sample ID: 680-220687-8**

**Date Collected: 06/21/22 11:09**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:06	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36890**

**Lab Sample ID: 680-220687-9**

**Date Collected: 06/21/22 11:14**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:10	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36891**

**Lab Sample ID: 680-220687-10**

**Date Collected: 06/21/22 12:31**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:14	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36892**

**Lab Sample ID: 680-220687-11**

**Date Collected: 06/21/22 13:23**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:17	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36893**

**Lab Sample ID: 680-220687-12**

**Date Collected: 06/21/22 14:23**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:21	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36901**

**Lab Sample ID: 680-220687-13**

**Date Collected: 06/20/22 15:31**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

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



# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36903**

**Lab Sample ID: 680-220687-14**

**Date Collected: 06/28/22 11:35**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:28	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36861**

**Lab Sample ID: 680-220687-15**

**Date Collected: 06/22/22 12:53**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:32	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36863**

**Lab Sample ID: 680-220687-16**

**Date Collected: 06/23/22 16:08**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:36	1

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

# Client Sample Results

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**

**Date Collected: 06/23/22 14:49**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:47	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36865**

**Lab Sample ID: 680-220687-18**

**Date Collected: 06/23/22 13:27**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:50	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36866**

**Lab Sample ID: 680-220687-19**

**Date Collected: 06/23/22 12:15**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:26	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36867**

**Lab Sample ID: 680-220687-20**

**Date Collected: 06/23/22 11:16**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:58	1
Thallium	1.00	U	1.00		ug/L		09/09/22 06:50	09/09/22 23:58	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36868**

**Lab Sample ID: 680-220687-21**

**Date Collected: 06/23/22 10:05**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:02	1

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



# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36869**

**Lab Sample ID: 680-220687-22**

**Date Collected: 06/22/22 15:40**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:13	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36870**

**Lab Sample ID: 680-220687-23**

**Date Collected: 06/22/22 15:45**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

**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

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36871**

**Lab Sample ID: 680-220687-24**

**Date Collected: 06/22/22 14:45**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

**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

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36874**

**Lab Sample ID: 680-220687-25**

**Date Collected: 06/22/22 10:27**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

**Method: 6020B - 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

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36876**

**Lab Sample ID: 680-220687-26**

**Date Collected: 06/20/22 14:16**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:28	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36877**

**Lab Sample ID: 680-220687-27**

**Date Collected: 06/29/22 13:10**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

**Method: 6020B - Metals (ICP/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

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36878**

**Lab Sample ID: 680-220687-28**

**Date Collected: 06/30/22 10:33**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36879**

**Lab Sample ID: 680-220687-29**

**Date Collected: 06/30/22 09:30**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:46	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

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



# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36880**

**Lab Sample ID: 680-220687-30**

**Date Collected: 06/30/22 12:40**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:50	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36881**

**Lab Sample ID: 680-220687-31**

**Date Collected: 06/30/22 12:45**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:54	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36882**

**Lab Sample ID: 680-220687-32**

**Date Collected: 06/30/22 14:06**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:57	1

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

# Client Sample Results

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**

**Date Collected: 06/29/22 14:08**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 04:01	1

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

# Client Sample Results

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

Job ID: 680-220687-1

**Client Sample ID: AF36884**

**Lab Sample ID: 680-220687-34**

**Date Collected: 06/30/22 11:29**

**Matrix: Water**

**Date Received: 09/07/22 10:30**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 04:05	1

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

# QC Sample Results

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

Job ID: 680-220687-1

## 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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
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
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	Limit
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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
Thallium	50.0	43.55		ug/L		87	80 - 120
Arsenic	100	91.08		ug/L		91	80 - 120

Eurofins Savannah

# QC Sample Results

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

Job ID: 680-220687-1

## 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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier		Result	Qualifier				Limits	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

# QC Association Summary

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

Job ID: 680-220687-1

## 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

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# QC Association Summary

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

Job ID: 680-220687-1

## 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

# Lab Chronicle

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**

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

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# Lab Chronicle

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

Job ID: 680-220687-1

**Client Sample ID: AF36901**

**Lab Sample ID: 680-220687-13**

Date Collected: 06/20/22 15:31

Matrix: Water

Date Received: 09/07/22 10:30

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**

**Lab Sample ID: 680-220687-14**

Date Collected: 06/28/22 11:35

Matrix: Water

Date Received: 09/07/22 10:30

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**

**Lab Sample ID: 680-220687-15**

Date Collected: 06/22/22 12:53

Matrix: Water

Date Received: 09/07/22 10:30

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**

**Lab Sample ID: 680-220687-16**

Date Collected: 06/23/22 16:08

Matrix: Water

Date Received: 09/07/22 10:30

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**

**Lab Sample ID: 680-220687-17**

Date Collected: 06/23/22 14:49

Matrix: Water

Date Received: 09/07/22 10:30

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**

**Lab Sample ID: 680-220687-18**

Date Collected: 06/23/22 13:27

Matrix: Water

Date Received: 09/07/22 10:30

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

# Chain of Custody

# RUSH!



Customer Email/Report Recipient: lcwillia@santecooper.com Date Results Needed by:      Project/Task/Unit #: 125915 / JM02.08.G81.3 / 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	Sb
AF36905	POE-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
<i>Sj Brown</i>	35594	9/6/22	1500	<i>JA</i>	72	9-7-22	1030

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUS <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil Flashpoint Metals in oil (As,Cd,Cr,Ni,Pb Hg) TX GOFER
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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<sub>3</sub> 3=H<sub>2</sub>SO<sub>4</sub> 4-HCl 5=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-Other (Specify)



# Chain of Custody

# RUSH!!



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:            Project/Task/Unit #: 125915 / JMB2.08.GRI.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
AF36886	CCMLF-ID	6/29	1033	DW ML	1	P	G	GW	2	6020 RL=5 PPB
87	1 2	1	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							
1 03	POZ-4	6/28	1135							

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sj Brown</i>	35594	9/6/22	1500	<i>[Signature]</i>	71	9/7/22	1050

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum (all below) <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUS <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

# Chain of Custody **RUSH!**



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:      /      /      Project/Task/Unit #: 125915 / JMD2.08.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			
AF36861	CAP-#1	6/22	1253	DEW/ML	1	P	G	GW	2	6020 RL=5 PPB	X		
63	3	6/23	1608	L									
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
<i>Sjbrown</i>	35594	9/6/22	1500	<i>DEW</i>	FA	9-7-22	1030

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum (all below) <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> AS <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

# Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santecooper.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			
AF36874	CAP-13	6/22	1027	DEN ML	1	P	G	GW	2	6020 RLX 5 PFB	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
<i>Sj Brown</i>	35594	9/6/22	1500	<i>[Signature]</i>	77	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: \_\_\_\_\_

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum (all below) <input type="checkbox"/> AIM <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 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 <math>\leq</math> 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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Accreditation/Certification Summary

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

Job ID: 680-220687-1

## Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-22 *

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





## Laboratory Report

<b>Client</b>	Santee Cooper Linda Williams 1 Riverwood Dr. Moncks Corner, SC 29461	<b>Project:</b>	Ground Water
		<b>Work Order:</b>	22H0490
		<b>Received:</b>	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](mailto:enoblet@rcenviro.com), (864)-232-1556 if you have any questions about this report.

Report Approved By:

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Elisabeth Noblet  
Project Manager

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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



Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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  
1 Riverwood Dr.  
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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.087</b>	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	<b>0.0007</b>	0.0005	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
Boron	<b>22</b>	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	<b>310</b>	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	<b>0.109</b>	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	<b>0.42</b>	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	<b>13</b>	10	ug/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	<b>5.8</b>	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	<b>0.012</b>	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Potassium	<b>4.9</b>	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	<b>89</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:07	EPA 6020B		JIP	B2H1455	RC-G



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



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**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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:51	EPA 6020B		JIP	B2H1455	RC-G



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**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
<b>Total Metals</b>										
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	<b>0.23</b>	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	<b>51</b>	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	<b>0.069</b>	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	<b>2.0</b>	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	<b>3.4</b>	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	<b>9.8</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:55	EPA 6020B		JIP	B2H1455	RC-G



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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.13</b>	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	<b>180</b>	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	<b>0.002</b>	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	<b>0.13</b>	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	<b>3.0</b>	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	<b>0.85</b>	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	<b>22</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:00	EPA 6020B		JIP	B2H1455	RC-G



# Rogers & Callcott

ENVIRONMENTAL

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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.12</b>	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	<b>190</b>	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	<b>0.003</b>	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	<b>2.9</b>	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	<b>0.83</b>	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	<b>21</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:04	EPA 6020B		JIP	B2H1455	RC-G



Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.16</b>	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	<b>20</b>	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	<b>140</b>	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	<b>0.003</b>	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	<b>0.28</b>	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	<b>2.1</b>	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	<b>0.43</b>	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	<b>9.2</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:09	EPA 6020B		JIP	B2H1455	RC-G



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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.076</b>	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	<b>120</b>	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	<b>230</b>	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	<b>0.008</b>	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	<b>4.0</b>	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	<b>8.2</b>	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	<b>1.3</b>	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	<b>6.5</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:13	EPA 6020B		JIP	B2H1455	RC-G





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ENVIRONMENTAL

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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.056</b>	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	<b>27</b>	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	<b>140</b>	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	<b>3.1</b>	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	<b>0.55</b>	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	<b>12</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:18	EPA 6020B		JIP	B2H1455	RC-G



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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.12</b>	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	<b>26</b>	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	<b>290</b>	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	<b>0.004</b>	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	<b>1.8</b>	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	<b>4.7</b>	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	<b>1.1</b>	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	<b>20</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:23	EPA 6020B		JIP	B2H1455	RC-G



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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.018</b>	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	<b>59</b>	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	<b>0.21</b>	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	<b>2.6</b>	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	<b>3.7</b>	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	<b>4.8</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:27	EPA 6020B		JIP	B2H1455	RC-G



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ENVIRONMENTAL

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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:46	EPA 6020B		JIP	B2H1455	RC-G



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ENVIRONMENTAL

Santee Cooper  
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Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.040</b>	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	<b>15</b>	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	<b>55</b>	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	<b>1.1</b>	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	<b>1.3</b>	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	<b>1.2</b>	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	<b>3.1</b>	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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.050</b>	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	<b>59</b>	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	<b>0.42</b>	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	<b>1.4</b>	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	<b>0.51</b>	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	<b>6.8</b>	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





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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.016</b>	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	<b>8.6</b>	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	<b>0.072</b>	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	<b>0.20</b>	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	<b>0.66</b>	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	<b>3.2</b>	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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.037</b>	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	<b>14</b>	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	<b>0.007</b>	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	<b>0.053</b>	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	<b>0.62</b>	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	<b>0.87</b>	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	<b>5.9</b>	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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.17</b>	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	<b>26</b>	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	<b>89</b>	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	<b>0.006</b>	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	<b>2.8</b>	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	<b>2.5</b>	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	<b>0.98</b>	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	<b>15</b>	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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.16</b>	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	<b>25</b>	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	<b>85</b>	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	<b>0.006</b>	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	<b>2.6</b>	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	<b>2.4</b>	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	<b>0.95</b>	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	<b>14</b>	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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:56	EPA 6020B		JIP	B2H1455	RC-G





Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.076</b>	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	<b>6.2</b>	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	<b>6.0</b>	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	<b>0.47</b>	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	<b>0.58</b>	0.10	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Sodium	<b>5.6</b>	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	<b>0.013</b>	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
<b>Rebatch Sample Number: 22H0490-25RE1</b>										
Chromium	ND	0.005	mg/L	1.00	08/17/22 18:16	EPA 6020B		JIP	B2H1735	RC-G
Cobalt	<b>0.001</b>	0.001	mg/L	1.00	08/17/22 18:16	EPA 6020B		JIP	B2H1735	RC-G
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:00	EPA 6020B		JIP	B2H1455	RC-G



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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



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ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.30</b>	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	<b>26</b>	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	<b>390</b>	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	<b>0.001</b>	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	<b>9.4</b>	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	<b>28</b>	10	ug/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	<b>9.4</b>	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	<b>5.4</b>	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	<b>46</b>	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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.082</b>	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	<b>18</b>	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	<b>25</b>	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	<b>0.32</b>	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	<b>1.1</b>	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	<b>1.2</b>	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	<b>3.9</b>	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



Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.18</b>	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	<b>26</b>	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	<b>340</b>	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	<b>2.0</b>	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	<b>3.7</b>	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	<b>2.1</b>	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	<b>16</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:05	EPA 6020B		JIP	B2H1455	RC-G



Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.071</b>	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	<b>110</b>	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	<b>1.5</b>	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	<b>1.6</b>	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	<b>0.56</b>	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	<b>8.2</b>	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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.045</b>	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	<b>7800</b>	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	<b>630</b>	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	<b>0.011</b>	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	<b>1.9</b>	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	<b>19</b>	10	ug/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	<b>59</b>	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	<b>0.013</b>	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Potassium	<b>7.1</b>	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	<b>120</b>	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	<b>0.013</b>	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.085</b>	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	<b>220</b>	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	<b>100</b>	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	<b>1.5</b>	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	<b>2.0</b>	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	<b>1.1</b>	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	<b>13</b>	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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/15/22 17:17	EPA 6020B		JIP	B2H1456	RC-G





Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Rebatch Sample Number: 22H0490-41RE1</b>										
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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 18:15	EPA 6020B	X	JIP	B2H1456	RC-G



# Rogers & Callcott

ENVIRONMENTAL

Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.31</b>	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	<b>4200</b>	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	<b>410</b>	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	<b>14</b>	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	<b>13</b>	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	<b>2.4</b>	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	<b>64</b>	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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.11</b>	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	<b>1100</b>	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	<b>660</b>	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	<b>13</b>	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	<b>25</b>	10	ug/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	<b>79</b>	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	<b>14</b>	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	<b>120</b>	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
<b>Dissolved Metals</b>										
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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
<b>Total Metals</b>										
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	<b>0.084</b>	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	<b>6100</b>	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	<b>560</b>	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	<b>0.030</b>	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	<b>1.2</b>	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	<b>10</b>	10	ug/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	<b>58</b>	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	<b>0.015</b>	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Potassium	<b>6.1</b>	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	<b>81</b>	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	<b>0.023</b>	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
<b>Dissolved Metals</b>										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/16/22 22:10	EPA 6020B	X	JIP	B2H1456	RC-G





Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
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**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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
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**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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
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**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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
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**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  
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Moneks Corner, SC 29461

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
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**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



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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
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**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  
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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
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**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



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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
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**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





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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
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**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



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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
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**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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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
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**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



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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
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**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
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**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
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**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
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**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
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**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
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**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



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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
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**Batch B2H1455 - EPA 3005A Mod**

**Blank (B2H1455-BLK1)**

Arsenic, Dissolved	ND	0.005	mg/L								RC-G
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**LCS (B2H1455-BS1)**

Arsenic, Dissolved	0.200	0.005	mg/L	0.200		100	80-120				RC-G
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**Matrix Spike (B2H1455-MS1) Source: 22H0490-01**

Arsenic, Dissolved	0.217	0.005	mg/L	0.200	ND	109	75-125				RC-G
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**Matrix Spike (B2H1455-MS2) Source: 22H0490-02**

Arsenic, Dissolved	0.228	0.005	mg/L	0.200	ND	113	75-125				RC-G
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**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
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**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
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**Batch B2H1456 - EPA 3005A Mod**

**Blank (B2H1456-BLK1)**

Arsenic, Dissolved	ND	0.005	mg/L								RC-G
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**LCS (B2H1456-BS1)**

Arsenic, Dissolved	0.212	0.005	mg/L	0.200		106	80-120				RC-G
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**Matrix Spike (B2H1456-MS1) Source: 22H0490-39**

Arsenic, Dissolved	0.204	0.005	mg/L	0.200	ND	101	75-125				RC-G
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**Matrix Spike (B2H1456-MS2) Source: 22H0490-40**

Arsenic, Dissolved	0.211	0.005	mg/L	0.200	0.005	103	75-125				RC-G
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**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
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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
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**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
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Project: Ground Water  
Work Order: 22H0490  
Reported: 08/31/22 17:43

**Sample Preparation Data**

Parameter	Batch	Sample ID	Prepared	Analyst
<b>EPA 3005A ICP Digestion</b>				
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



Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
Reported: 08/31/22 17:43

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



Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
Reported: 08/31/22 17:43

**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  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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



Santee Cooper  
1 Riverwood Dr.  
Moneks Corner, SC 29461

Project: Ground Water  
Work Order: 22H0490  
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



# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:      Project/Task/Unit #: 125915 / JM02.08.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	TOTAL METALS - SEE BELOW	DISSOLVED AS
AF36903	POZ-4	6/28/22	1135	DEW ML	2	P	G	GW	2	PLEASE SEE ATTACHED	X	X
905	POZ-6		1322							SHEET FOR RLS.	X	X
906	POZ-7		1441								X	X
907	POZ-7 DUP		1446								X	X
AF36894	CLFIB-1	6/27/22	0926								X	X
895	CLFIB-1 DUP		0931								X	X
896	CLFIB-2		1055								X	X
897	CLFIB-3		1144								X	X
898	CLFIB-4		1253								X	X
899	CLFIB-5		1348								X	X

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35574	8/4/22	1500	<i>WV</i>		8/5/22	1100

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

<input type="checkbox"/> METALS (all) <input checked="" type="checkbox"/> Ag <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Ni <input type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As,Cd,Cr,Ni,Pb,Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

# Chain of Custody



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

Customer Email/Report Recipient:

Date Results Needed by:

Project/Task/Unit #:

Rerun request for any flagged QC

LCWILLIA @santecooper.com

125915 / JM08.G01.1 / 36500

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	TOTAL METALS - SEE BELOW	DISSOLVED AS
-11 AF36900	CLFB-5D	6/21/22	1447	DEW ML	2	P	G	GW	2	PLEASE SEE ATTACHED SHEET FOR RLS.	X	X
-12 902	POZ-3	↓	1546	↓	↓	↓	↓	↓	↓		X	X
-13 904	POZ-5D	6/25/22	1003	↓	↓	↓	↓	↓	↓		X	X

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Sibrown	35594	8/17/22	1500	Shaw Smith		8/17/22	1100

Sample Receiving (Internal Use Only)  
TEMP (°C): 24.8 Initial: *[Signature]*

Correct pH: Yes No

Preservative Lot#:

Date/Time/Init for preservative:

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Ni <input type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As,Cd,Cr,Ni,Pb,Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)





# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.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	PHOSPHORUS		
-14 AF36886	CCMLF-ID	6/21/22	1033	DW 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		1246								X			
-22 881	CCMAP-4 DUP		1245								X			
-23 882	CCMAP-5		1406								X			

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	35594	8/1/22	1500	<i>Sibrown</i>		9/15/22	1100

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

<b>☐ METALS (all)</b> <input checked="" type="checkbox"/> Ag <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input checked="" type="checkbox"/> Sn <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Li <input checked="" type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input checked="" type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Ni <input type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As,Cd,Cr,Ni,Pb Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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<sub>3</sub> 3=H<sub>2</sub>SO<sub>4</sub> 4-HCl 5=Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-Other (Specify)

227490



# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.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	TOTAL METALS - SEE BELOW	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	1	1531	1							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	POE-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
<i>Sibrown</i>	35594	8/14/22	1500	<i>Walter Wade</i>		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: WWT  
 Correct pH: Yes No  
 Preservative Lot#:  
 Date/Time/Init for preservative:

<b>METALS (all)</b> <input type="checkbox"/> Ag <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Ni <input type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As,Cd,Cr,Ni,Pb,Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)



# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.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	TOTAL METALS -SEE BELOW	DISSOLVED AS
34 AF36873	CAP-12	6/21/22	1518	DEW ML	2	G	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
<i>SJBrown</i>	35594	8/18/22	1500	<i>Wm Yunk</i>		8/15/22	1100

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

<b>METALS (all)</b> <input type="checkbox"/> Ag <input checked="" type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input checked="" type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Ni <input type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As,Cd,Cr,Ni,Pb Hg) <input type="checkbox"/> IX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)



# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.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 # <small>(Internal use only)</small>	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 <ul style="list-style-type: none"><li>• Method #</li><li>• Reporting limit</li><li>• Misc. sample info</li><li>• Any other notes</li></ul>	TOTAL METALS -SEE BELOW	DISSOLVED AS
-413 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
<i>sjbrown</i>	35594	8/2/22	1500	<i>Wen Yank</i>		8/5/22	1100

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

<p><input type="checkbox"/> METALS (all)</p> <table style="width: 100%;"> <tr><td><input type="checkbox"/> Ag</td><td><input checked="" type="checkbox"/> Cu</td><td><input checked="" type="checkbox"/> Sb</td></tr> <tr><td><input checked="" type="checkbox"/> Al</td><td><input checked="" type="checkbox"/> Fe</td><td><input checked="" type="checkbox"/> Se</td></tr> <tr><td><input checked="" type="checkbox"/> As</td><td><input checked="" type="checkbox"/> K</td><td><input type="checkbox"/> Sn</td></tr> <tr><td><input checked="" type="checkbox"/> B</td><td><input checked="" type="checkbox"/> Li</td><td><input type="checkbox"/> Sr</td></tr> <tr><td><input checked="" type="checkbox"/> Ba</td><td><input checked="" type="checkbox"/> Mg</td><td><input type="checkbox"/> Ti</td></tr> <tr><td><input checked="" type="checkbox"/> Be</td><td><input type="checkbox"/> Mn</td><td><input checked="" type="checkbox"/> Tl</td></tr> <tr><td><input checked="" type="checkbox"/> Ca</td><td><input type="checkbox"/> Mo</td><td><input type="checkbox"/> V</td></tr> <tr><td><input checked="" type="checkbox"/> Cd</td><td><input checked="" type="checkbox"/> Na</td><td><input checked="" type="checkbox"/> Zn</td></tr> <tr><td><input type="checkbox"/> Co</td><td><input checked="" type="checkbox"/> Ni</td><td><input type="checkbox"/> Hg</td></tr> <tr><td><input checked="" type="checkbox"/> Cr</td><td><input checked="" type="checkbox"/> Pb</td><td><input type="checkbox"/> CrVI</td></tr> </table>	<input type="checkbox"/> Ag	<input checked="" type="checkbox"/> Cu	<input checked="" type="checkbox"/> Sb	<input checked="" type="checkbox"/> Al	<input checked="" type="checkbox"/> Fe	<input checked="" type="checkbox"/> Se	<input checked="" type="checkbox"/> As	<input checked="" type="checkbox"/> K	<input type="checkbox"/> Sn	<input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> Li	<input type="checkbox"/> Sr	<input checked="" type="checkbox"/> Ba	<input checked="" type="checkbox"/> Mg	<input type="checkbox"/> Ti	<input checked="" type="checkbox"/> Be	<input type="checkbox"/> Mn	<input checked="" type="checkbox"/> Tl	<input checked="" type="checkbox"/> Ca	<input type="checkbox"/> Mo	<input type="checkbox"/> V	<input checked="" type="checkbox"/> Cd	<input checked="" type="checkbox"/> Na	<input checked="" type="checkbox"/> Zn	<input type="checkbox"/> Co	<input checked="" type="checkbox"/> Ni	<input type="checkbox"/> Hg	<input checked="" type="checkbox"/> Cr	<input checked="" type="checkbox"/> Pb	<input type="checkbox"/> CrVI	<p><b>Nutrients</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> TOC</li> <li><input type="checkbox"/> DOC</li> <li><input type="checkbox"/> TP/TPO4</li> <li><input type="checkbox"/> NH3-N</li> <li><input type="checkbox"/> F</li> <li><input type="checkbox"/> Cl</li> <li><input type="checkbox"/> NO2</li> <li><input type="checkbox"/> Br</li> <li><input type="checkbox"/> NO3</li> <li><input type="checkbox"/> SO4</li> </ul>	<p><b>MISC.</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> BTEX</li> <li><input type="checkbox"/> Napthalene</li> <li><input type="checkbox"/> THM/HAA</li> <li><input type="checkbox"/> VOC</li> <li><input type="checkbox"/> Oil &amp; Grease</li> <li><input type="checkbox"/> E. Coli</li> <li><input type="checkbox"/> Total Coliform</li> <li><input type="checkbox"/> pH</li> <li><input type="checkbox"/> Dissolved As</li> <li><input type="checkbox"/> Dissolved Fe</li> <li><input type="checkbox"/> Rad 226</li> <li><input type="checkbox"/> Rad 228</li> <li><input type="checkbox"/> PCB</li> </ul>	<p><b>Gypsum</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Wallboard</li> <li><b>Gypsum(all below)</b></li> <li><input type="checkbox"/> AIM</li> <li><input type="checkbox"/> TOC</li> <li><input type="checkbox"/> Total metals</li> <li><input type="checkbox"/> Soluble Metals</li> <li><input type="checkbox"/> Purity (CaSO4)</li> <li><input type="checkbox"/> % Moisture</li> <li><input type="checkbox"/> Sulfites</li> <li><input type="checkbox"/> pH</li> <li><input type="checkbox"/> Chlorides</li> <li><input type="checkbox"/> Particle Size</li> <li><input type="checkbox"/> Sulfur</li> </ul>	<p><b>Coal</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Ultimate</li> <li><input type="checkbox"/> % Moisture</li> <li><input type="checkbox"/> Ash</li> <li><input type="checkbox"/> Sulfur</li> <li><input type="checkbox"/> BTUs</li> <li><input type="checkbox"/> Volatile Matter</li> <li><input type="checkbox"/> CHN</li> <li><b>Other Tests:</b></li> <li><input type="checkbox"/> XRF Scan</li> <li><input type="checkbox"/> HGI</li> <li><input type="checkbox"/> Fineness</li> <li><input type="checkbox"/> Particulate Matter</li> </ul>	<p><b>Flyash</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Ammonia</li> <li><input type="checkbox"/> LOI</li> <li><input type="checkbox"/> % Carbon</li> <li><input type="checkbox"/> Mineral Analysis</li> <li><input type="checkbox"/> Sieve</li> <li><input type="checkbox"/> % Moisture</li> <li><b>NPDES</b></li> <li><input type="checkbox"/> Oil &amp; Grease</li> <li><input type="checkbox"/> As</li> <li><input type="checkbox"/> TSS</li> </ul>	<p><b>Oil</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Trans. Oil Qual.</li> <li><input type="checkbox"/> %Moisture</li> <li><input type="checkbox"/> Color</li> <li><input type="checkbox"/> Acidity</li> <li><input type="checkbox"/> Dielectric Strength</li> <li><input type="checkbox"/> IFT</li> <li><input type="checkbox"/> Dissolved Gases</li> <li><input type="checkbox"/> Used Oil</li> <li><input type="checkbox"/> Flashpoint</li> <li><input type="checkbox"/> Metals in oil (As,Cd,Cr,Ni,Pb Hg)</li> <li><input type="checkbox"/> TX</li> <li><input type="checkbox"/> GOFER</li> </ul>
<input type="checkbox"/> Ag	<input checked="" type="checkbox"/> Cu	<input checked="" type="checkbox"/> Sb																																		
<input checked="" type="checkbox"/> Al	<input checked="" type="checkbox"/> Fe	<input checked="" type="checkbox"/> Se																																		
<input checked="" type="checkbox"/> As	<input checked="" type="checkbox"/> K	<input type="checkbox"/> Sn																																		
<input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> Li	<input type="checkbox"/> Sr																																		
<input checked="" type="checkbox"/> Ba	<input checked="" type="checkbox"/> Mg	<input type="checkbox"/> Ti																																		
<input checked="" type="checkbox"/> Be	<input type="checkbox"/> Mn	<input checked="" type="checkbox"/> Tl																																		
<input checked="" type="checkbox"/> Ca	<input type="checkbox"/> Mo	<input type="checkbox"/> V																																		
<input checked="" type="checkbox"/> Cd	<input checked="" type="checkbox"/> Na	<input checked="" type="checkbox"/> Zn																																		
<input type="checkbox"/> Co	<input checked="" type="checkbox"/> Ni	<input type="checkbox"/> Hg																																		
<input checked="" type="checkbox"/> Cr	<input checked="" type="checkbox"/> Pb	<input type="checkbox"/> CrVI																																		

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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 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 <span style="color:red">6010</span>	ug/L	40	5
Magnesium	ug/L	---	---
<del>Mercury <span style="color:red">7470</span></del>	ug/L	<del>2</del>	<del>0.2</del>
Molybdenum <span style="color:red">6010</span>	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



## 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Damaged <input type="checkbox"/> Leaking <input type="checkbox"/> Other: _____
Custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
COC included with samples?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COC signed when relinquished and received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample bottles intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Damaged <input type="checkbox"/> Leaking <input type="checkbox"/> Other: _____
Sample ID on COC agree with label on bottle(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Date / time on COC agree with label on bottle(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Number of bottles on COC agrees with number of bottles received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sample volume sufficient for analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VOA vials free of headspace (<6mm bubble)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Samples cooled? Temp at receipt recorded on COC Temp measured with IR thermometer - SN: 97050067	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ice <input checked="" type="checkbox"/> Cold Packs <input type="checkbox"/> Dry Ice <input type="checkbox"/> None <input type="checkbox"/>
Samples requiring pH preservation at proper pH? Note: Samples for metals analysis may be preserved upon receipt in the lab.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Samples dechlorinated for parameters requiring chlorine removal at the time of sample collection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

If in-house preservation used – record Lot #			
HCL		H <sub>3</sub> PO <sub>4</sub>	
H <sub>2</sub> SO <sub>4</sub>		NaOH	
HNO <sub>3</sub>		Other	

Comments: \_\_\_\_\_

Were non-conformance issues noted at sample receipt? **No**  
Non-Conformance issue other than noted above: \_\_\_\_\_



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.

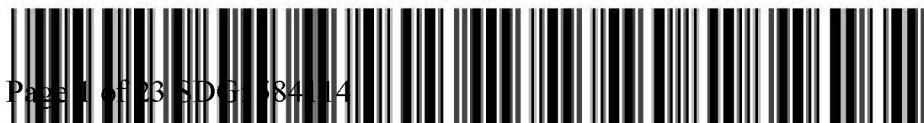
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Julie Robinson  
Project Manager

Purchase Order: 398684  
Enclosures



**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 Project: SOOP00119  
Sample ID: 584114001 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 20-JUN-22 14:16  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	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

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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: AF36901 Project: SOOP00119  
Sample ID: 584114002 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 20-JUN-22 15:31  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	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  
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: AF36888 Project: SOOP00119  
Sample ID: 584114003 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 21-JUN-22 10:04  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	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

# 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: AF36889 Project: SOOP00119  
Sample ID: 584114004 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 21-JUN-22 11:09  
Receive Date: 24-JUN-22  
Collector: Client

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

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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: AF36890 Project: SOOP00119  
Sample ID: 584114005 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 21-JUN-22 11:14  
Receive Date: 24-JUN-22  
Collector: Client

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

# 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: AF36891 Project: SOOP00119  
Sample ID: 584114006 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 21-JUN-22 12:31  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	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 Project: SOOP00119  
Sample ID: 584114007 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 21-JUN-22 13:23  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	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 Project: SOOP00119  
Sample ID: 584114008 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 21-JUN-22 14:23  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	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 Project: SOOP00119  
Sample ID: 584114009 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 22-JUN-22 10:27  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	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

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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: AF36861 Project: SOOP00119  
Sample ID: 584114010 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 22-JUN-22 12:53  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	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

# 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: AF36871 Project: SOOP00119  
Sample ID: 584114011 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 22-JUN-22 14:45  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	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

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: AF36869 Project: SOOP00119  
Sample ID: 584114012 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 22-JUN-22 15:40  
Receive Date: 24-JUN-22  
Collector: Client

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

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: AF36870 Project: SOOP00119  
Sample ID: 584114013 Client ID: SOOP001  
Matrix: Ground Water  
Collect Date: 22-JUN-22 15:45  
Receive Date: 24-JUN-22  
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	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

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## QC Summary

Report Date: June 29, 2022

Page 1 of 2

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

**Contact:**  
**Workorder: 584114**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<b>Metals Analysis-Mercury</b>											
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.
- NI 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.

# GEL LABORATORIES LLC

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## QC Summary

Workorder: 584114

Page 2 of 2

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
R										
U										
X										
Y										
^										
h										

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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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.





## Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.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	TOC			
AF36876	CBW-1	6/20/22	1416	DEW/ML	1	G	G	GW	3		X			
AF36901	PM-1	↓	1531	↓	1	G	G	GW	3		X			

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	35594	6/24/22	0935	<i>GEL</i>	GEL	6/24/22	0935
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SLO</i>	<i>GEL</i>	<i>6/24/22</i>	<i>1515</i>	<i>LCWILLIA</i>	GEL	<i>6/24/22</i>	<i>1515</i>
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: \_\_\_\_\_

<input type="checkbox"/> <b>METALS (all)</b> <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> TOC DOC TP/TPO4 NH3-N F Cl NO2 Br NO3 SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum(all below) <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> A5 <input type="checkbox"/> TSS	<b>Oil</b> Trans. Oil Qual. TOC Crude Acidity Oxidative Stability API Dissolved Gases Used Oil Flashpoint Metals in oil (As, Cd, Cr, Ni, Pb, Hg) TAN GOFER
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RAD-20 DAYS

584117/4114

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 5 / 22 Send report to lcwillia@santecooper.com & sjbrown@santecooper.com

# Chain of Custody



Customer Email/Report Recipient: LCWILLIA @santecooper.com Date Results Needed by:     /    /     Project/Task/Unit #: 125915 / JMO2.09.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	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							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
<i>Sjbrown</i>	85594	6/24/22	0526	<i>Sjbrown</i>	GEL	6/24/22	0925
<i>DEW</i>	<i>85594</i>	6/24/22	1515	<i>Sjbrown</i>	GEL	6/24/22	1515

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> TOC DOC TP/TPO4 NH3-N F Cl NO2 Br NO3 SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> Wallboard Gypsum(all below) AIM TOC Total metals Soluble Metals Purity (CaSO4) % Moisture Sulfites pH Chlorides Particle Size Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> Trans. Oil Qual. % Moisture Color Acidity Dissolved Solvent IPF Dissolved Glycer Used Oil Flashpoint Metals in oil (As, Cd, Cr, Ni, Pb, Hg) TX GOPER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

RAD - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 5 / 22 Send report to lcwillia@santecooper.com & sjbrown@santecooper.com



# Chain of Custody

Customer Email/Report Recipient: LCWILLIA @santecooper.com Date Results Needed by:      Project/Task/Unit #: 125915 / JMO2.08.GP1.3 / 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	RAD 226/228	TOTAL RAD CALC	Hg
<del>AF-8875</del>	<del>CAP-12</del>	<del>6/21/22</del>	<del>1515</del>	<del>DEW ML</del>						<del>Hg-7471 RL &lt; 0.200 ug/L</del>	<del>2</del>	<del>X</del>	<del>1</del>
36874 AF-8	CAP-13	6/22/22	1027	DEW ML	3	P	G	GW	2		2		
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
<i>SJBrown</i>	35594	6/24/22	0926	<i>GEL</i>	GEL	6/24/22	0926
<i>GEL</i>	GEL	6/24/22	1515	<i>McWilliams</i>	GEL	6/24/22	1515

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Tl <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> P <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum(all below) <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dissolved Solvent (F) <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals man (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GHLER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O5 6-Other (Specify)

SAMPLE RECEIPT & REVIEW FORM

Client: SDG SDG/AR/COC/Work Order: 584105/4103/4102/4117/ 4114/  
 Received By: MVH Date Received: 06/24/2022  
 Carrier and Tracking Number: \_\_\_\_\_  
 FedEx Express FedEx Ground UPS Field Services Courier Other

~~4100~~  
 KW 0-27  
 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?  Yes  No 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?  Yes  No COC notation or radioactive stickers on containers equal client designation.

C) Did the RSO classify the samples as radioactive?  Yes  No 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?  Yes  No COC notation or hazard labels on containers equal client designation.

E) Did the RSO identify possible hazards?  Yes  No 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?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Preservation Method: Wet Ice Ice Packs Dry ice None Other: _____ *all temperatures are recorded in Celsius TEMP: <u>3</u>
4 Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Temperature Device Serial #: <u>IR2-21</u> Secondary Temperature Device Serial # (If Applicable): _____
5 Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Sample ID's and Containers Affected: <u>SDG 10 22040418P</u> If Preservation added, Lot#: _____
7 Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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 ___
8 Samples received within holding time?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ID's and tests affected: _____
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ID's and containers affected: _____
10 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12 Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed): \_\_\_\_\_

PM (or PMA) review: Initials KW Date 06/27/22 Page \_\_\_\_\_ of \_\_\_\_\_

**List of current GEL Certifications as of 29 June 2022**

<b>State</b>	<b>Certification</b>
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



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.

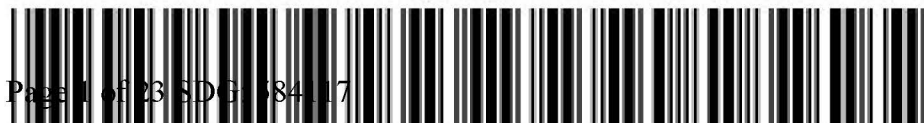
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Julie Robinson  
Project Manager

Purchase Order: 398684  
Enclosures



**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	Project: SOOP00119
Sample ID: 584117001	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 20-JUN-22 14:16	
Receive Date: 24-JUN-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow 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	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: AF36901	Project: SOOP00119
Sample ID: 584117002	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 20-JUN-22 15:31	
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	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	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: AF36888	Project: SOOP00119
Sample ID: 584117003	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-JUN-22 10:04	
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	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	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

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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	Project: SOOP00119
Sample ID: 584117004	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-JUN-22 11:09	
Receive Date: 24-JUN-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow 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	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: 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	Project: SOOP00119
Sample ID: 584117005	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-JUN-22 11:14	
Receive Date: 24-JUN-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow 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	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: 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	Project: SOOP00119
Sample ID: 584117006	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-JUN-22 12:31	
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		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	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: 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

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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: AF36893	Project: SOOP00119
Sample ID: 584117008	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-JUN-22 14:23	
Receive Date: 24-JUN-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow 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	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: 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	Project: SOOP00119
Sample ID: 584117009	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 22-JUN-22 10:27	
Receive Date: 24-JUN-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow 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	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

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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: AF36861	Project: SOOP00119
Sample ID: 584117010	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 22-JUN-22 12:53	
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	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	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: 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	Project: SOOP00119
Sample ID: 584117011	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 22-JUN-22 14:45	
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	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	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: 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	Project: SOOP00119
Sample ID: 584117012	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 22-JUN-22 15:40	
Receive Date: 24-JUN-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow 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	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: 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	Project: SOOP00119
Sample ID: 584117013	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 22-JUN-22 15:45	
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		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	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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## QC Summary

Report Date: July 25, 2022

Page 1 of 2

**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
<b>Rad Gas Flow</b>											
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							
<b>Rad Ra-226</b>											
Batch	2282268										
QC1205124915	584117001	DUP									
Radium-226		0.702	U	0.234	pCi/L	100		(0% - 100%)	LXPI	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.

# GEL LABORATORIES LLC

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

## QC Summary

Workorder: 584117

Page 2 of 2

Parname	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.									
NI		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).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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.

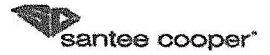


584117/4114

RAD - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 5 / 22 Send report to lcwillia@santecooper.com & sjbrown@santecooper.com

# Chain of Custody



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

Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:      Project/Task/Unit #: 125915 / JM02.07.601.1 / 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	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 µg/L	2	X	1
AF36901	PM-1	1	1531	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		1423										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	25394	6/24/22	0926	<i>GEL</i>	GEL	6/24/22	0935
<i>DL</i>	<i>LC</i>	6/24/22	1515	<i>GEL</i>	GEL	6/24/22	1515

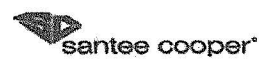
Sample Receiving (Internal Use Only)  
TEMP (°C): \_\_\_\_\_ Initial: \_\_\_\_\_  
Correct pH: Yes No  
Preservative Lot#: \_\_\_\_\_  
Date/Time/Init for preservative: \_\_\_\_\_

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum(all below) <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> HF <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

RAD - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 5 / 22 Send report to lcwillia@santecooper.com & sjbrown@santecooper.com



# Chain of Custody

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

Customer Email/Report Recipient: LCWILLIA @santecooper.com Date Results Needed by:      Project/Task/Unit #: 125915 / JMD2.08.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	RAD 226/228	TOTAL RAD CALC	Hg
<del>AFB 36875</del>	<del>CAP-12</del>	<del>6/21/22</del>	<del>1518</del>	<del>DEW ML</del>						<del>Hg-7471 RL &lt; 0.200 ug/L</del>	<del>2</del>	<del>X</del>	<del>1</del>
36874 AFB	CAP-13	6/22/22	1027	DEW ML	3	P	G	GW	2		2		11
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
<i>SJBrown</i>	35594	6/24/22	0926	<i>DEW</i>	GEL	6/24/22	0925
<i>DEW</i>	GEL	6/24/22	1515	<i>LCWILLIA</i>	GEL	6/24/22	1515

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum(all below) <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfides <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dissolved Oxygen <input type="checkbox"/> IFI <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil <input type="checkbox"/> (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOLLER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

SAMPLE RECEIPT & REVIEW FORM

Client: <u>SCOP</u>		SDG/AR/COC/Work Order: <u>584105/4103/4102/4117/</u>		
Received By: <u>MVH</u>		Date Received: <u>06/24/2022</u>		
Carrier and Tracking Number		Circle Applicable: FedEx Express FedEx Ground UPS Field Services <u>Courier</u> Other		
Suspected Hazard Information		*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): <u>5</u> 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	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius <b>TEMP: <u>3</u></b>
4	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <u>IR2-21</u> Secondary Temperature Device Serial # (If Applicable): _____
5	Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample ID's and Containers Affected: If Preservation added, Lot#: <u>220404BP</u>
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected: _____
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID's and containers affected: _____
10	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):				

4114/  
~~4100~~  
KW 6-27-22  
4100

PM (or PMA) review: Initials KW Date 06/27/22 Page \_\_\_ of \_\_\_

**List of current GEL Certifications as of 25 July 2022**

<b>State</b>	<b>Certification</b>
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



November 29, 2022

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

Re: ABS Lab Analytical  
Work Order: 599036

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 01, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

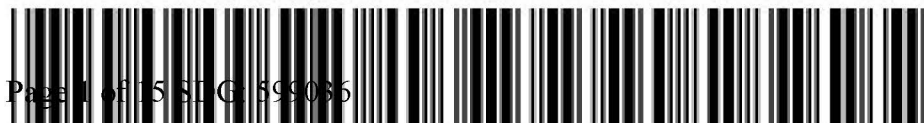
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Heather Millar for  
Julie Robinson  
Project Manager

Purchase Order: 398684  
Enclosures



## 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: 599036 GEL Work Order: 599036

**The Qualifiers in this report are defined as follows:**

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

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

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

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

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 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: AF47661	Project: SOOP00119
Sample ID: 599036001	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 10:13	
Receive Date: 01-NOV-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Ra228, Liquid "As Received"												
Radium-228	U	1.20	+/-1.14	1.86	3.00	pCi/L			JE1	11/28/22	1043 2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		2.45	+/-1.22			pCi/L		1	TON1	11/29/22	1312 2343193	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		1.25	+/-0.431	0.394	1.00	pCi/L			LXP1	11/29/22	0953 2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			75	(15%-125%)

**Notes:**

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

Column headers are defined as follows:

DF: Dilution Factor	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: November 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: AF47634	Project: SOOP00119
Sample ID: 599036002	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 11:27	
Receive Date: 01-NOV-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	1.82	+/-1.22	1.89	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.28	+/-1.26			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.465	+/-0.306	0.396	1.00	pCi/L			LXP1	11/29/22	0953	2343171	3

The following Analytical Methods were performed:

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"			75.4	(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: November 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: AF47635	Project: SOOP00119
Sample ID: 599036003	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 11:32	
Receive Date: 01-NOV-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		2.42	+/-1.23	1.72	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.99	+/-1.27			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.570	+/-0.342	0.438	1.00	pCi/L			LXP1	11/29/22	1025	2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			69.9	(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: November 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: AF47636	Project: SOOP00119
Sample ID: 599036004	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 12:40	
Receive Date: 01-NOV-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	1.25	+/-1.21	1.99	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.49	+/-1.22			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.237	+/-0.199	0.259	1.00	pCi/L			LXP1	11/29/22	1025	2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.5	(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 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: AF47637	Project: SOOP00119
Sample ID: 599036005	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 13:42	
Receive Date: 01-NOV-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	0.681	+/-1.16	2.02	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.25	+/-1.20			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.564	+/-0.321	0.360	1.00	pCi/L			LXP1	11/29/22	1025	2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			80.5	(15%-125%)

**Notes:**

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

Column headers are defined as follows:

DF: Dilution Factor	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: November 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: AF47638	Project: SOOP00119
Sample ID: 599036006	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 14:32	
Receive Date: 01-NOV-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	1.73	+/-1.27	2.00	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.47	+/-1.30			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.739	+/-0.295	0.217	1.00	pCi/L			LXP1	11/29/22	0953	2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			79.5	(15%-125%)

**Notes:**

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

Column headers are defined as follows:

DF: Dilution Factor	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: November 29, 2022

Page 1 of 2

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

**Contact:**  
**Workorder: 599036**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<b>Rad Gas Flow</b>											
Batch	2343191										
QC1205246235	599036001 DUP										
Radium-228	U	1.20	U	2.07	pCi/L	N/A		N/A	JE1	11/28/22	10:43
	Uncertainty	+/-1.14		+/-1.36							
QC1205246236	LCS										
Radium-228	65.5			62.4	pCi/L		95.4	(75%-125%)		11/28/22	10:43
	Uncertainty			+/-4.59							
QC1205246237	LCSD										
Radium-228	65.5			52.9	pCi/L	16.5	80.8	(0%-20%)		11/28/22	10:43
	Uncertainty			+/-4.25							
QC1205246234	MB										
Radium-228			U	0.505	pCi/L					11/28/22	10:43
	Uncertainty			+/-0.910							
<b>Rad Ra-226</b>											
Batch	2343171										
QC1205246198	599036001 DUP										
Radium-226		1.25		1.43	pCi/L	13.4		(0% - 100%)	LXP1	11/29/22	10:25
	Uncertainty	+/-0.431		+/-0.456							
QC1205246200	LCS										
Radium-226	26.6			21.3	pCi/L		80	(75%-125%)		11/29/22	10:56
	Uncertainty			+/-1.71							
QC1205246201	LCSD										
Radium-226	26.6			21.9	pCi/L	2.75	82.3	(0%-20%)		11/29/22	10:56
	Uncertainty			+/-1.65							
QC1205246197	MB										
Radium-226			U	0.113	pCi/L					11/29/22	10:56
	Uncertainty			+/-0.195							
QC1205246199	599036001 MS										
Radium-226	134	1.25		106	pCi/L		78.4	(75%-125%)		11/29/22	10:56
	Uncertainty	+/-0.431		+/-8.36							

**Notes:**

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).  
 The Qualifiers in this report are defined as follows:

# GEL LABORATORIES LLC

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

## QC Summary

Workorder: 599036

Page 2 of 2

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
**	Analyte is a Tracer compound										
<	Result is less than value reported										
>	Result is greater than value reported										
BD	Results are either below the MDC or tracer recovery is low										
FA	Failed analysis.										
H	Analytical holding time was exceeded										
J	See case narrative for an explanation										
J	Value is estimated										
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.										
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.										
M	M if above MDC and less than LLD										
M	REMP Result > MDC/CL and < RDL										
N/A	RPD or %Recovery limits do not apply.										
NI	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.

**Technical Case Narrative**  
**Santee Cooper**  
**SDG #: 599036**

## **Radiochemistry**

**Product:** Radium-226+Radium-228 Calculation

**Analytical Method:** Calculation

**Analytical Procedure:** GL-RAD-D-003 REV# 45

**Analytical Batch:** 2343193

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

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638

### **Data Summary:**

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

**Product:** GFPC, Ra228, Liquid

**Analytical Method:** EPA 904.0/SW846 9320 Modified

**Analytical Procedure:** GL-RAD-A-063 REV# 5

**Analytical Batch:** 2343191

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

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638
1205246234	Method Blank (MB)
1205246235	599036001(AF47661) Sample Duplicate (DUP)
1205246236	Laboratory Control Sample (LCS)
1205246237	Laboratory Control Sample Duplicate (LCSD)

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

**Data Summary:**

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

**Product:** Lucas Cell, Ra226, Liquid

**Analytical Method:** EPA 903.1 Modified

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

**Analytical Batch:** 2343171

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

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638
1205246197	Method Blank (MB)
1205246198	599036001(AF47661) Sample Duplicate (DUP)
1205246199	599036001(AF47661) Matrix Spike (MS)
1205246200	Laboratory Control Sample (LCS)
1205246201	Laboratory Control Sample Duplicate (LCSD)

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

**Data Summary:**

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

**Certification Statement**

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



599035 599036



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

# Chain of Custody

Customer Email/Report Recipient: linda.williams@santecooper.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	Sulfide	Alkalinity	Rad 226/228/Calc	TOC/DOC
AF47661	CCMAP-5	10/31/22	1013	WJK	6	P/ G	G	GW	1/ *	Rad- NO3 Sulfide-Zinc acetate, NaOH	1	1	2	2
AF47634	CLF1B-1	10/31/22	1127	WJK	6	P/ G	G	GW	1/ *	TOC-H2SO4	1	1	2	2
AF47635	CLF1B-1 DUP	10/31/22	1132	WJK	6	P/ G	G	GW	1/ *	*DOC samples need to be filtered and preserved.	1	1	2	2
AF47636	CLF1B-2	10/31/22	1240	WJK	6	P/ G	G	GW	1/ *		1	1	2	2
AF47637	CLF1B-3	10/31/22	1342	WJK	6	P/ G	G	GW	1/ *	*Sulfide samples have short hold times.	1	1	2	2
AF47638	CLF1B-4	10/31/22	1432	WJK	6	P/ G	G	GW	1/ *		1	1	2	2

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>[Signature]</i>	37180	11/1/22	0930	<i>[Signature]</i>	GEL	11/1/22	
<i>[Signature]</i>	666	11/1/22	1535	<i>[Signature]</i>		11/01/22	1535

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

€ METALS (all)			Nutrients	MISC.	Gypsum	Coal	Flyash	Oil
€ Ag	€ Cu	€ Sb	€ TOC	€ BTEX	€ Wallboard	€ Ultimate	€ Ammonia	€ Trans. Oil Qual.
€ Al	€ Fe	€ Se	€ DOC	€ Napthalene	€ Gypsum(all below)	€ % Moisture	€ LOI	€ %Moisture
€ As	€ K	€ Sn	€ TP/TPO4	€ THM/HAA	€ AIM	€ Ash	€ % Carbon	€ Color
€ B	€ Li	€ Sr	€ NH3-N	€ VOC	€ TOC	€ Sulfur	€ Mineral	€ Acidity
€ Ba	€ Mg	€ Ti	€ F	€ Oil & Grease	€ Total metals	€ BTUs	€ Analysis	€ Dielectric Strength
€ Be	€ Mn	€ Tl	€ Cl	€ E. Coli	€ Soluble Metals	€ Volatile Matter	€ Sieve	€ IFT
€ Ca	€ Mo	€ V	€ NO2	€ Total Coliform	€ Purity (CaSO4)	€ CHN	€ % Moisture	€ Dissolved Gases
€ Cd	€ Na	€ Zn	€ Br	€ pH	€ % Moisture	Other Tests:	NPDES	€ Used Oil
€ Co	€ Ni	€ Hg	€ NO3	€ Dissolved As	€ Sulfites	€ XRF Scan	€ Oil & Grease	€ Flashpoint
€ Cr	€ Pb	€ CrVI	€ SO4	€ Dissolved Fe	€ pH	€ HGI	€ As	€ Metals in oil
				€ Rad 226	€ Chlorides	€ Fineness	€ TSS	(As,Cd,Cr,Ni,Pb Hg)
				€ Rad 228	€ Particle Size	€ Particulate Matter		€ TX
				€ PCB	€ Sulfur			€ GOFER

**SAMPLE RECEIPT & REVIEW FORM**

Client: <b>SOOP</b>		SDG/AR/COC/Work Order: <b>5990367599035</b>			
Received By: <b>MVH</b>		Date Received: <b>11-01-2022</b>			
Carrier and Tracking Number		Circle Applicable: FedEx Express    FedEx Ground    UPS    Field Service <b>Courier</b> 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): <b>0</b> <b>CPM</b> 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: <b>Wet Ice</b> Ice Packs    Dry ice    None    Other: *all temperatures are recorded in Celsius <span style="float:right">TEMP: <b>5</b></span>
4	Daily check performed and passed on IR temperature gun?	/			Temperature Device Serial #: <b>IR2-21</b> 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?	/			<b>Both GEL &amp; their labels</b>
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   JW   Date   11/2/22   Page   7   of   1

**List of current GEL Certifications as of 29 November 2022**

<b>State</b>	<b>Certification</b>
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



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.

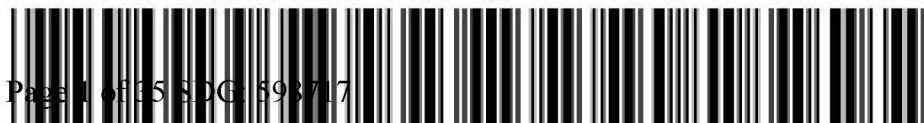
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Heather Millar for  
Julie Robinson  
Project Manager

Purchase Order: 398684  
Enclosures



## 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

# 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: 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

# GEL LABORATORIES LLC

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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: 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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## 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: 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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## 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: 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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## 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: 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

# GEL LABORATORIES LLC

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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: 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

# 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: 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

# 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: 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

# 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: 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

# 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: 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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## Certificate of Analysis

Report Date: November 7, 2022

Company : Santee Cooper  
 Address : P.O. Box 2946101  
 OCO3  
 Moncks Corner, South Carolina 29461  
 Contact: Ms. Jeanette Gilmetti  
 Project: ABS Lab Analytical

Client Sample ID: AF47628	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

# GEL LABORATORIES LLC

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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: 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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## Certificate of Analysis

Report Date: November 7, 2022

Company : Santee Cooper  
 Address : P.O. Box 2946101  
 OCO3  
 Moncks Corner, South Carolina 29461  
 Contact: Ms. Jeanette Gilmetti  
 Project: ABS Lab Analytical

Client Sample ID: AF47626	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

Report Date: November 7, 2022

Company : Santee Cooper  
 Address : P.O. Box 2946101  
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 Moncks Corner, South Carolina 29461  
 Contact: Ms. Jeanette Gilmetti  
 Project: ABS Lab Analytical

Client Sample ID: 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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## Certificate of Analysis

Report Date: November 7, 2022

Company : Santee Cooper  
 Address : P.O. Box 2946101  
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 Moncks Corner, South Carolina 29461  
 Contact: Ms. Jeanette Gilmetti  
 Project: ABS Lab Analytical

Client Sample ID: 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

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: 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

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## QC Summary

Report Date: November 7, 2022

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

**Contact:**  
**Workorder: 598717**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<b>Rad Gas Flow</b>											
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							
<b>Rad Ra-226</b>											
Batch	2335609										
QC1205230921	598717001		DUP								
Radium-226		0.738		1.13	pCi/L	42.2		(0% - 100%)	LXPI	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							

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## QC Summary

Workorder: 598717

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Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<b>Rad Ra-226</b>											
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							
<hr/>											
Batch	2335610										
QC1205230925	598717011	DUP									
Radium-226		0.898		0.779	pCi/L	14.2		(0% - 100%)	LXP1	11/06/22	09:02
	Uncertainty	+/-0.350		+/-0.392							
QC1205230927	LCS										
Radium-226	26.5			21.3	pCi/L		80.1	(75%-125%)		11/06/22	09:02
	Uncertainty			+/-1.54							
QC1205230928	LCSD										
Radium-226	26.5			25.1	pCi/L	16.6	94.6	(0%-20%)		11/06/22	09:02
	Uncertainty			+/-1.80							
QC1205230924	MB										
Radium-226			U	0.304	pCi/L					11/06/22	09:02
	Uncertainty			+/-0.292							
QC1205230926	598717011	MS									
Radium-226	131	0.898		116	pCi/L		88.1	(75%-125%)		11/06/22	09:02
	Uncertainty	+/-0.350		+/-8.03							

**Notes:**

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

The Qualifiers in this report are defined as follows:

- \*\* Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported
- BD Results are either below the MDC or tracer recovery is low
- FA Failed analysis.
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M REMP Result > MDC/CL and < RDL
- N/A RPD or %Recovery limits do not apply.

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## QC Summary

Workorder: 598717

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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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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).

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
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.

598 717

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 11 / 7 / 22 Send report to lcwillia@santecooper.com & sjbrown@santecooper.com

# Chain of Custody



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

Customer Email/Report Recipient: LINDA.WILLIAMS @santecooper.com Date Results Needed by:      Project/Task/Unit #: 125915 / JM02.09.GP1.1 / 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	Analysis Group				
											SULFIDE	TOC/DOC	TOTAL RES CAL RAD 226/228	ALKALINITY TOTAL, BICARB, CARB	NO3-NO2
AF47633	PM-1	10/28/22	0927	WJK ML	7	G	G	GW	/*	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
<i>[Signature]</i>	35466	10/28/22	1000	<i>[Signature]</i>	GEL	10/28/22	1000
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	1430	<i>[Signature]</i>		10/28/22	1430

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> P <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fc <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum (all below) <input type="checkbox"/> AlM <input type="checkbox"/> Total Metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> Moisture <input type="checkbox"/> Sulfide <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Solids	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> SOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral <input type="checkbox"/> Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> BSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> Viscosity <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in Oil <input type="checkbox"/> (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> GORER
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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=H2O2 2=HNO3 3=H2SO4 4=HCl 5=Na2S2O3 6=Other (Specify)

# Chain of Custody



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	SULFIDE	TOC/DOC	TOTAL RAD CALC RAD/226-228	ALKALINITY	NO3- NO2
AF47652	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 HOLD FOR SULFIDE.					
28	CAP-9		1405												
29	CAP-9 DUP		1410							* PLEASE FILTER AND PRESERVE DOC SAMPLES.					
27	CAP-8		1532												

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>[Signature]</i>	35466	10/28/22	1600	<i>[Signature]</i>	GEL	10/28/22	1900
<i>[Signature]</i>	GEL	10/29/22	1430	<i>[Signature]</i>		10/29/22	1430

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TR/TRO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> P <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> B <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum (all below) <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total Inerts <input type="checkbox"/> Soluble Metal <input type="checkbox"/> Lead (PbSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfates <input type="checkbox"/> pH <input type="checkbox"/> Chloride <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BitUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF-Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> TOC <input type="checkbox"/> Carbon <input type="checkbox"/> Mineral <input type="checkbox"/> Analysis <input type="checkbox"/> Silica <input type="checkbox"/> % Moisture <b>NRDES</b> <input type="checkbox"/> Coliforms <input type="checkbox"/> TOC <input type="checkbox"/> pH	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual <input type="checkbox"/> % Water <input type="checkbox"/> Chlor <input type="checkbox"/> Acidity <input type="checkbox"/> Total Solids <input type="checkbox"/> pH <input type="checkbox"/> Insoluble Solids <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metal Inhib <input type="checkbox"/> CAS/G/N/PB <input type="checkbox"/> Hg <input type="checkbox"/> PCB <input type="checkbox"/> GOTHER
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Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oil-oil, S-Soil, SL-soild, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)  
 Preservative code: 1=4°C 2=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

# Chain of Custody



Customer Email/Report Recipient: LINDA.WILLIAMS@santecooper.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	SULFIDE	TOC/DOC	TOTAL RAD CALS RAD 224 - 226	ALKALINITY	NO3 NO2
AF47626	CAP-7	10/27/22	WTR/ML	0944	7	P 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			1536						* PLEASE FILTER AND					
60	CCMAP-4 DUP			1601						PRESERVE DCL SAMPLES.					

Relinquished by: <u>[Signature]</u>	Employee# <u>35466</u>	Date <u>10/23/22</u>	Time <u>1000</u>	Received by: <u>[Signature]</u>	Employee # <u>GEL</u>	Date <u>10/23/22</u>	Time <u>1000</u>
Relinquished by: <u>[Signature]</u>	Employee# <u>601</u>	Date <u>10/28/22</u>	Time <u>1430</u>	Received by: <u>[Signature]</u>	Employee #	Date <u>10/28/22</u>	Time <u>1430</u>

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input type="checkbox"/> Se <input type="checkbox"/> As <input type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input type="checkbox"/> Ba <input type="checkbox"/> Mg <input type="checkbox"/> Ti <input type="checkbox"/> Be <input type="checkbox"/> Mn <input type="checkbox"/> Tl <input type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input type="checkbox"/> Cd <input type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Hg <input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/PO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> BF <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum(all below) <input type="checkbox"/> AIM <input type="checkbox"/> nitoc <input type="checkbox"/> Total Metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Heavy (AS04) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfite <input type="checkbox"/> pH <input type="checkbox"/> Chloride <input type="checkbox"/> Particles/Sz <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> MGI <input type="checkbox"/> Pinches <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> NO1 <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral <input type="checkbox"/> Analytical <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> Ash <input type="checkbox"/> BASS	<b>Oil</b> <input type="checkbox"/> Trans Oil Qual <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Appearance/Strength <input type="checkbox"/> Turb <input type="checkbox"/> Dissolved Solids <input type="checkbox"/> Total Oil <input type="checkbox"/> Total Solids <input type="checkbox"/> Metals/Total <input type="checkbox"/> (As Cd Cr Ni Pb Hg) <input type="checkbox"/> TOC <input type="checkbox"/> COD
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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=HNO3 3=H2SO4 4=HCl 5=Na2S2O3 6=Other (Specify)

**SAMPLE RECEIPT & REVIEW FORM**

Client: SOOP 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

21c      17c      1c      1c

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?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <u>JR4-22</u> Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID's and containers affected:
10	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

**List of current GEL Certifications as of 07 November 2022**

<b>State</b>	<b>Certification</b>
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



November 29, 2022

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

Re: ABS Lab Analytical  
Work Order: 599036

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 01, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

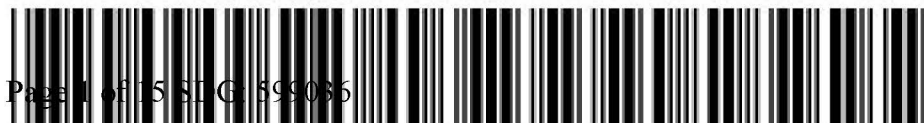
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Heather Millar for  
Julie Robinson  
Project Manager

Purchase Order: 398684  
Enclosures



## 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: 599036 GEL Work Order: 599036

**The Qualifiers in this report are defined as follows:**

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

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

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

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

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 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: AF47661	Project: SOOP00119
Sample ID: 599036001	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 10:13	
Receive Date: 01-NOV-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	1.20	+/-1.14	1.86	3.00	pCi/L			JE1	11/28/22	1043	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.45	+/-1.22			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.25	+/-0.431	0.394	1.00	pCi/L			LXP1	11/29/22	0953	2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			75	(15%-125%)

**Notes:**

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

Column headers are defined as follows:

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

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## Certificate of Analysis

Report Date: November 29, 2022

Company : Santee Cooper  
 Address : P.O. Box 2946101  
 OCO3  
 Moncks Corner, South Carolina 29461  
 Contact: Ms. Jeanette Gilmetti  
 Project: ABS Lab Analytical

Client Sample ID: AF47634	Project: SOOP00119
Sample ID: 599036002	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 11:27	
Receive Date: 01-NOV-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	1.82	+/-1.22	1.89	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.28	+/-1.26			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.465	+/-0.306	0.396	1.00	pCi/L			LXP1	11/29/22	0953	2343171	3

The following Analytical Methods were performed:

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"			75.4	(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

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## Certificate of Analysis

Report Date: November 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: AF47635	Project: SOOP00119
Sample ID: 599036003	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 11:32	
Receive Date: 01-NOV-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		2.42	+/-1.23	1.72	3.00	pCi/L			JE1	11/28/22	1044 2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		2.99	+/-1.27			pCi/L		1	TON1	11/29/22	1312 2343193	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		0.570	+/-0.342	0.438	1.00	pCi/L			LXP1	11/29/22	1025 2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			69.9	(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

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## Certificate of Analysis

Report Date: November 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: AF47636	Project: SOOP00119
Sample ID: 599036004	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 12:40	
Receive Date: 01-NOV-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	1.25	+/-1.21	1.99	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.49	+/-1.22			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.237	+/-0.199	0.259	1.00	pCi/L			LXP1	11/29/22	1025	2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.5	(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 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: AF47637	Project: SOOP00119
Sample ID: 599036005	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 13:42	
Receive Date: 01-NOV-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	0.681	+/-1.16	2.02	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.25	+/-1.20			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.564	+/-0.321	0.360	1.00	pCi/L			LXP1	11/29/22	1025	2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			80.5	(15%-125%)

**Notes:**

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

Column headers are defined as follows:

DF: Dilution Factor	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: November 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: AF47638	Project: SOOP00119
Sample ID: 599036006	Client ID: SOOP001
Matrix: GW	
Collect Date: 31-OCT-22 14:32	
Receive Date: 01-NOV-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	1.73	+/-1.27	2.00	3.00	pCi/L			JE1	11/28/22	1044	2343191	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.47	+/-1.30			pCi/L		1	TON1	11/29/22	1312	2343193	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.739	+/-0.295	0.217	1.00	pCi/L			LXP1	11/29/22	0953	2343171	3

The following Analytical Methods were performed:

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

Surrogate/Tracer	Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer		GFPC, Ra228, Liquid "As Received"			79.5	(15%-125%)

**Notes:**

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

Column headers are defined as follows:

DF: Dilution Factor	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: November 29, 2022

Page 1 of 2

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

**Workorder: 599036**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
<b>Rad Gas Flow</b>											
Batch	2343191										
QC1205246235	599036001 DUP										
Radium-228	U	1.20	U	2.07	pCi/L	N/A		N/A	JE1	11/28/22	10:43
	Uncertainty	+/-1.14		+/-1.36							
QC1205246236	LCS										
Radium-228	65.5			62.4	pCi/L		95.4	(75%-125%)		11/28/22	10:43
	Uncertainty			+/-4.59							
QC1205246237	LCSD										
Radium-228	65.5			52.9	pCi/L	16.5	80.8	(0%-20%)		11/28/22	10:43
	Uncertainty			+/-4.25							
QC1205246234	MB										
Radium-228			U	0.505	pCi/L					11/28/22	10:43
	Uncertainty			+/-0.910							
<b>Rad Ra-226</b>											
Batch	2343171										
QC1205246198	599036001 DUP										
Radium-226		1.25		1.43	pCi/L	13.4		(0% - 100%)	LXP1	11/29/22	10:25
	Uncertainty	+/-0.431		+/-0.456							
QC1205246200	LCS										
Radium-226	26.6			21.3	pCi/L		80	(75%-125%)		11/29/22	10:56
	Uncertainty			+/-1.71							
QC1205246201	LCSD										
Radium-226	26.6			21.9	pCi/L	2.75	82.3	(0%-20%)		11/29/22	10:56
	Uncertainty			+/-1.65							
QC1205246197	MB										
Radium-226			U	0.113	pCi/L					11/29/22	10:56
	Uncertainty			+/-0.195							
QC1205246199	599036001 MS										
Radium-226	134	1.25		106	pCi/L		78.4	(75%-125%)		11/29/22	10:56
	Uncertainty	+/-0.431		+/-8.36							

**Notes:**

Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).  
 The Qualifiers in this report are defined as follows:

# GEL LABORATORIES LLC

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

## QC Summary

Workorder: 599036

Page 2 of 2

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
**	Analyte is a Tracer compound										
<	Result is less than value reported										
>	Result is greater than value reported										
BD	Results are either below the MDC or tracer recovery is low										
FA	Failed analysis.										
H	Analytical holding time was exceeded										
J	See case narrative for an explanation										
J	Value is estimated										
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.										
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.										
M	M if above MDC and less than LLD										
M	REMP Result > MDC/CL and < RDL										
N/A	RPD or %Recovery limits do not apply.										
NI	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.



**Technical Case Narrative**  
**Santee Cooper**  
**SDG #: 599036**

## **Radiochemistry**

**Product:** Radium-226+Radium-228 Calculation

**Analytical Method:** Calculation

**Analytical Procedure:** GL-RAD-D-003 REV# 45

**Analytical Batch:** 2343193

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

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638

### **Data Summary:**

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

**Product:** GFPC, Ra228, Liquid

**Analytical Method:** EPA 904.0/SW846 9320 Modified

**Analytical Procedure:** GL-RAD-A-063 REV# 5

**Analytical Batch:** 2343191

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

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638
1205246234	Method Blank (MB)
1205246235	599036001(AF47661) Sample Duplicate (DUP)
1205246236	Laboratory Control Sample (LCS)
1205246237	Laboratory Control Sample Duplicate (LCSD)

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

**Data Summary:**

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

**Product:** Lucas Cell, Ra226, Liquid

**Analytical Method:** EPA 903.1 Modified

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

**Analytical Batch:** 2343171

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

<b><u>GEL Sample ID#</u></b>	<b><u>Client Sample Identification</u></b>
599036001	AF47661
599036002	AF47634
599036003	AF47635
599036004	AF47636
599036005	AF47637
599036006	AF47638
1205246197	Method Blank (MB)
1205246198	599036001(AF47661) Sample Duplicate (DUP)
1205246199	599036001(AF47661) Matrix Spike (MS)
1205246200	Laboratory Control Sample (LCS)
1205246201	Laboratory Control Sample Duplicate (LCSD)

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

**Data Summary:**

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

**Certification Statement**

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

599035 599036



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

# Chain of Custody

Customer Email/Report Recipient: linda.williams@santecooper.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	Sulfide	Alkalinity	Rad 226/228/Calc	TOC/DOC
AF47661	CCMAP-5	10/31/22	1013	WJK	6	P/ G	G	GW	1/ *	Rad- NO3 Sulfide-Zinc acetate, NaOH	1	1	2	2
AF47634	CLF1B-1	10/31/22	1127	WJK	6	P/ G	G	GW	1/ *	TOC-H2SO4	1	1	2	2
AF47635	CLF1B-1 DUP	10/31/22	1132	WJK	6	P/ G	G	GW	1/ *	*DOC samples need to be filtered and preserved.	1	1	2	2
AF47636	CLF1B-2	10/31/22	1240	WJK	6	P/ G	G	GW	1/ *		1	1	2	2
AF47637	CLF1B-3	10/31/22	1342	WJK	6	P/ G	G	GW	1/ *	*Sulfide samples have short hold times.	1	1	2	2
AF47638	CLF1B-4	10/31/22	1432	WJK	6	P/ G	G	GW	1/ *		1	1	2	2

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>[Signature]</i>	37180	11/1/22	0930	<i>[Signature]</i>	GEL	11/1/22	
<i>[Signature]</i>	666	11/1/22	1535	<i>[Signature]</i>		11/01/22	1535

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

€ METALS (all)			Nutrients	MISC.	Gypsum	Coal	Flyash	Oil
€ Ag	€ Cu	€ Sb	€ TOC	€ BTEX	€ Wallboard	€ Ultimate	€ Ammonia	€ Trans. Oil Qual.
€ Al	€ Fe	€ Se	€ DOC	€ Napthalene	€ Gypsum(all below)	€ % Moisture	€ LOI	€ %Moisture
€ As	€ K	€ Sn	€ TP/TPO4	€ THM/HAA	€ AIM	€ Ash	€ % Carbon	€ Color
€ B	€ Li	€ Sr	€ NH3-N	€ VOC	€ TOC	€ Sulfur	€ Mineral	€ Acidity
€ Ba	€ Mg	€ Ti	€ F	€ Oil & Grease	€ Total metals	€ BTUs	€ Analysis	€ Dielectric Strength
€ Be	€ Mn	€ Tl	€ Cl	€ E. Coli	€ Soluble Metals	€ Volatile Matter	€ Sieve	€ IFT
€ Ca	€ Mo	€ V	€ NO2	€ Total Coliform	€ Purity (CaSO4)	€ CHN	€ % Moisture	€ Dissolved Gases
€ Cd	€ Na	€ Zn	€ Br	€ pH	€ % Moisture	Other Tests:	NPDES	€ Used Oil
€ Co	€ Ni	€ Hg	€ NO3	€ Dissolved As	€ Sulfites	€ XRF Scan	€ Oil & Grease	€ Flashpoint
€ Cr	€ Pb	€ CrVI	€ SO4	€ Dissolved Fe	€ pH	€ HGI	€ As	€ Metals in oil
				€ Rad 226	€ Chlorides	€ Fineness	€ TSS	(As,Cd,Cr,Ni,Pb Hg)
				€ Rad 228	€ Particle Size	€ Particulate Matter		€ TX
				€ PCB	€ Sulfur			€ GOFER

**SAMPLE RECEIPT & REVIEW FORM**

Client: <b>SOOP</b>		SDG/AR/COC/Work Order: <b>5990367599035</b>			
Received By: <b>MVH</b>		Date Received: <b>11-01-2022</b>			
Carrier and Tracking Number		Circle Applicable: FedEx Express    FedEx Ground    UPS    Field Service <b>Courier</b> 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?		<input checked="" type="checkbox"/> 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): <b>0</b> <b>CPM</b> mR/Hr Classified as: Rad 1    Rad 2    Rad 3			
D) Did the client designate samples are hazardous?		<input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken    Damaged container    Leaking container    Other (describe)
2	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Client contacted and provided COC    COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Preservation Method: <b>Wet Ice</b> Ice Packs    Dry ice    None    Other: *all temperatures are recorded in Celsius    TEMP: <b>5</b>
4	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <b>IR2-21</b> Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken    Damaged container    Leaking container    Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and containers affected:
10	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No container count on COC    Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Both AEL 3 their labels</b>
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Not relinquished    Other (describe)
Comments (Use Continuation Form if needed):					

PM (or PMA) review: Initials   JW   Date   11/2/22   Page   7   of   1

**List of current GEL Certifications as of 29 November 2022**

<b>State</b>	<b>Certification</b>
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

 **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



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# Case Narrative

Client: South Carolina Public Service Authority  
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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## Job ID: 680-224844-1

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### Laboratory: Eurofins Savannah

#### Narrative

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#### 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

# Definitions/Glossary

Client: South Carolina Public Service Authority  
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Qualifiers

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

## 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

# Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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.

Eurofins Savannah

# Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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.

Eurofins Savannah

## Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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.

Eurofins Savannah

## Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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.

Eurofins Savannah



# Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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.

Eurofins Savannah

## Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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.

Eurofins Savannah

# Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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.

Eurofins Savannah

# 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.

Eurofins Savannah

# Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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.

Eurofins Savannah

## 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.

Eurofins Savannah

# Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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.

Eurofins Savannah

## Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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.

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## Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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.

Eurofins Savannah

# Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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.

Eurofins Savannah

## Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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.

Eurofins Savannah

# Detection Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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.

Eurofins Savannah

## 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.

Eurofins Savannah

# 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.

Eurofins Savannah

# 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: AF47633**

**Lab Sample ID: 680-224844-1**

Date Collected: 10/25/22 09:27

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47632**

**Lab Sample ID: 680-224844-2**

Date Collected: 10/25/22 10:34

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47651**

**Lab Sample ID: 680-224844-3**

Date Collected: 10/25/22 11:10

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47621**

**Lab Sample ID: 680-224844-10**

Date Collected: 10/26/22 11:47

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47630**

**Lab Sample ID: 680-224844-11**

Date Collected: 10/26/22 12:58

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47628**

**Lab Sample ID: 680-224844-12**

Date Collected: 10/26/22 14:05

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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**

**Lab Sample ID: 680-224844-16**

Date Collected: 10/27/22 11:01

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

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**

Date Collected: 10/27/22 12:15

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47623**

**Lab Sample ID: 680-224844-18**

Date Collected: 10/27/22 13:24

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47660**

**Lab Sample ID: 680-224844-21**

Date Collected: 10/27/22 16:01

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

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

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47634**

**Lab Sample ID: 680-224844-23**

Date Collected: 10/31/22 11:27

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47635**

**Lab Sample ID: 680-224844-24**

Date Collected: 10/31/22 11:32

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47638**

**Lab Sample ID: 680-224844-27**

Date Collected: 10/31/22 14:32

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

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

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47631**

**Lab Sample ID: 680-224844-30**

Date Collected: 11/02/22 11:02

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47655**

**Lab Sample ID: 680-224844-31**

Date Collected: 11/02/22 12:32

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

**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 Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**Client Sample ID: AF47664**

**Lab Sample ID: 680-224844-43**

Date Collected: 11/03/22 13:44

Matrix: Water

Date Received: 11/05/22 11:38

**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 Sample Results

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**

Date Collected: 11/03/22 14:49

Matrix: Water

Date Received: 11/05/22 11:38

**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

# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
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
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	Limit
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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

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# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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

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## QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	LCS	LCS	Unit	D	%Rec	%Rec	
							Result	Qualifier
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

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# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
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
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
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
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

# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
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	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
							Result		
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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Selenium	10.0	U	1000	985.8		ug/L		99	75 - 125		

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# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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

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# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

Lab Sample ID: MB 680-749407/1-A  
 Matrix: Water  
 Analysis Batch: 749990

Client Sample ID: Method Blank  
 Prep Type: Total Recoverable  
 Prep Batch: 749407

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				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	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier		Result	Qualifier				Limits	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

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# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

Lab Sample ID: 680-224844-1 MSD  
 Matrix: Water  
 Analysis Batch: 749990

Client Sample ID: AF47633  
 Prep Type: Total Recoverable  
 Prep Batch: 749407

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				Limits
Antimony	5.00	U	50.0	53.35		ug/L		107	75 - 125
Arsenic	3.00	U	100	108.4		ug/L		108	75 - 125
Barium	191		100	291.4		ug/L		100	75 - 125

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# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

Lab Sample ID: 680-224844-21 MS

Matrix: Water

Analysis Batch: 749990

Client Sample ID: AF47660

Prep Type: Total Recoverable

Prep Batch: 749409

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Result	Qualifier				
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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier		Result	Qualifier						
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	LCS	LCS	Unit	D	%Rec	%Rec
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

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# QC Sample Results

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

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

Lab Sample ID: 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		RPD	
									Limits		RPD	Limit
Antimony	5.00	U	50.0	50.44		ug/L		101	75 - 125	5	20	
Arsenic	3.00	U	100	100.8		ug/L		101	75 - 125	4	20	
Barium	40.3		100	135.4		ug/L		95	75 - 125	3	20	
Beryllium	0.500	U	50.0	50.64		ug/L		101	75 - 125	6	20	
Cadmium	0.500	U	50.0	49.89		ug/L		100	75 - 125	4	20	
Chromium	5.00	U	100	103.1		ug/L		103	75 - 125	5	20	
Cobalt	0.500	U	50.0	51.72		ug/L		104	75 - 125	5	20	
Lead	2.50	U	505	485.0		ug/L		96	75 - 125	6	20	
Manganese	114		400	495.2		ug/L		95	75 - 125	4	20	
Thallium	1.00	U	50.0	48.73		ug/L		97	75 - 125	5	20	

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Metals

### Prep Batch: 589627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep 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	

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Metals

### Prep Batch: 589629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep 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	

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Metals

### Prep Batch: 589631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-37	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

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Metals (Continued)

### Analysis Batch: 590073 (Continued)

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



# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Metals (Continued)

### Analysis Batch: 590073 (Continued)

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	

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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	

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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	

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Metals (Continued)

### Prep Batch: 749411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-749411/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749411/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-41 MS	AF47654	Total Recoverable	Water	3005A	
680-224844-41 MSD	AF47654	Total Recoverable	Water	3005A	

### Analysis Batch: 749688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-41	AF47654	Total Recoverable	Water	6020B	749411
680-224844-42	AF47657	Total Recoverable	Water	6020B	749411
680-224844-43	AF47664	Total Recoverable	Water	6020B	749411
680-224844-44	AF47656	Total Recoverable	Water	6020B	749411
MB 680-749411/1-A	Method Blank	Total Recoverable	Water	6020B	749411
LCS 680-749411/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749411
680-224844-41 MS	AF47654	Total Recoverable	Water	6020B	749411
680-224844-41 MSD	AF47654	Total Recoverable	Water	6020B	749411

### Analysis Batch: 749694

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

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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

Eurofins Savannah

# QC Association Summary

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Metals (Continued)

### Analysis Batch: 749990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-19	AF47622	Total Recoverable	Water	6020B	749407
680-224844-20	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

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 23:10
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

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 23:19
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

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 23:22
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

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 23:25

# 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



# Lab Chronicle

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## 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

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 17:35
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

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 23:52
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

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 23:55
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

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 23:58
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	Batch 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	Batch 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	Batch 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

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 00:13
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

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 00:16
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

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 00:19
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

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 00:22

## Lab Chronicle

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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

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			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

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 00:52
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

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 00:55
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

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 00:58
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	Batch 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	Batch 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	Batch 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	Batch 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

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 01:10
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

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 01:13
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

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 01:23
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

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 01:26



# Lab Chronicle

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

# Lab Chronicle

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

**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

## Lab Chronicle

Client: South Carolina Public Service Authority  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

### 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**

**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/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



# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.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	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 FOR RLS.	X	X
32	CBW-1		1034									
51	CGYP-6		1110							6010 Ca      6020 AS Cr Ti		
50	CGYP-4		1246							Fe      Ba Mn K      Be Pb		
49	CGYP-3		1411							Mg      Cd Sb Na      Co 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
<i>Sjbrown</i>	35594	11/4/22	1500	<i>LCW</i>		11/5/22	1138

Sample Receiving (Internal Use Only)  
TEMP (°C): \_\_\_\_\_ Initial: \_\_\_\_\_  
Correct pH: Yes No  
Preservative Lot#: 20.6/20.6  
Date/Time/Init for preservative:

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input type="checkbox"/> Ni <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum (all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As,Cd,Cr,Ni,Pb,Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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Matrix codes. GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boller water, L-limestone, Oil-oil, S-Soil, SL-solid, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)  
Preservative code- 1=<4°C 2=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

# Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santecooper.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	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 or TI		
30	CAP-10		1258							Fe Ba Mn K Be Pb		
28	CAP-9		1405							Mg Cd Sb Na Co 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
<i>Sjbrown</i>	35574	11/4/22	1500				

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input type="checkbox"/> Ni <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum (all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <b>Used Oil</b> <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)



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

# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:      /      /      Project/Task/Unit #: 125915 / JM02.09.G01.1 / 36500 Rerun request for any flagged QC Yes

**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	TOTAL METALS - SEE BELOW	DISSOLVED: Be, Co, Fe, Li, Mn
AF47626	CAP-7	10/21/22	0941	WJK ML	2	P	G	GW	2	SEE SHEET FOR RLS WHERE APPLICABLE.	X	X
25	CAP-6		1101									
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
<i>Sjbrown</i>	35594	11/4/22	1500				

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input type="checkbox"/> Ni <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum (all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOT <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As,Cd,Cr,Ni,Pb Hg) <input type="checkbox"/> TX <b>GOFER</b>
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)





# Chain of Custody

Customer Email/Report Recipient: LCWILLIA @santecooper.com Date Results Needed by:      Project/Task/Unit #: 125915 / JTM02.09. GØ1.1 / 36500 Rerun request for any flagged QC: Yes (N)

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	TOTAL METALS -SEE BELOW	DISSOLVED Be, Co, Fe, Li, Mn
AF47661	CCMAP-5	10/31/22	1013	WJTK 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
<i>SJBrown</i>	35594	11/4/22	1500				

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input type="checkbox"/> Zn <input type="checkbox"/> Co <input type="checkbox"/> Ni <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> ABM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> AS <input type="checkbox"/> TSS	<b>Oil</b> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <b>Used Oil</b> <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4=HCl 5=Na2S2O3 6=Other (Specify)

# Chain of Custody



Customer Email/Report Recipient: lcwillia@santecooper.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	TOTAL METALS -SEE BELOW	DISSOLVED BE, CO, Cr, 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
<i>Sjbrown</i>	35594	11/4/22	1500				

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input checked="" type="checkbox"/> Sb <input type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input type="checkbox"/> Ni <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> IX <input type="checkbox"/> GDFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)



# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:            Project/Task/Unit #: 125915 / JM62.09 GP 1.1 / 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	TOTAL METALS - SEE BELOW	DISSOLVED Be, Co, Li, Fe, Mn
AF147639	CLFIB-5	11/1/22	1013	WJK 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
<i>SJBrown</i>	35594	11/4/22	1300				

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

<input type="checkbox"/> Ag <input type="checkbox"/> Al <input checked="" type="checkbox"/> As <input type="checkbox"/> B <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> Ca <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Cr	<input type="checkbox"/> Cu <input checked="" type="checkbox"/> Fe <input checked="" type="checkbox"/> K <input type="checkbox"/> Li <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Mo <input type="checkbox"/> Ni <input checked="" type="checkbox"/> Pb <input type="checkbox"/> Sb <input checked="" type="checkbox"/> Se <input type="checkbox"/> Sn <input type="checkbox"/> Sr <input type="checkbox"/> Ti <input type="checkbox"/> V <input type="checkbox"/> Zn <input checked="" type="checkbox"/> Hg <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Naphthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum(all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	<b>Oil</b> Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)



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

# Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by:            Project/Task/Unit #: 125915 / JM02.09 G011 / 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	TOTAL METALS -SEE BELOW	DISSOLVED Be, Cu, 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		1344									
56	CCMAP-1		1449									
										DISSOLVED Be		
										Co		
										Li		
										Fe		
										Mn		

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sjbrown</i>	35594	11/4/22	1500				

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

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input type="checkbox"/> Cu <input type="checkbox"/> Sb <input type="checkbox"/> Al <input checked="" type="checkbox"/> Fe <input type="checkbox"/> Se <input checked="" type="checkbox"/> As <input checked="" type="checkbox"/> K <input type="checkbox"/> Sn <input type="checkbox"/> B <input type="checkbox"/> Li <input type="checkbox"/> Sr <input checked="" type="checkbox"/> Ba <input checked="" type="checkbox"/> Mg <input type="checkbox"/> Ti <input checked="" type="checkbox"/> Be <input checked="" type="checkbox"/> Mn <input checked="" type="checkbox"/> Tl <input checked="" type="checkbox"/> Ca <input type="checkbox"/> Mo <input type="checkbox"/> V <input checked="" type="checkbox"/> Cd <input checked="" type="checkbox"/> Na <input type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input type="checkbox"/> Ni <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	<b>Nutrients</b> <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TPO4 <input type="checkbox"/> NH3-N <input type="checkbox"/> F <input type="checkbox"/> Cl <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	<b>MISC.</b> <input type="checkbox"/> BTEX <input type="checkbox"/> Napthalene <input type="checkbox"/> THM/HAA <input type="checkbox"/> VOC <input type="checkbox"/> Oil & Grease <input type="checkbox"/> E. Coli <input type="checkbox"/> Total Coliform <input type="checkbox"/> pH <input type="checkbox"/> Dissolved As <input type="checkbox"/> Dissolved Fe <input type="checkbox"/> Rad 226 <input type="checkbox"/> Rad 228 <input type="checkbox"/> PCB	<b>Gypsum</b> <input type="checkbox"/> Wallboard <b>Gypsum (all below)</b> <input type="checkbox"/> AIM <input type="checkbox"/> TOC <input type="checkbox"/> Total metals <input type="checkbox"/> Soluble Metals <input type="checkbox"/> Purity (CaSO4) <input type="checkbox"/> % Moisture <input type="checkbox"/> Sulfites <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	<b>Coal</b> <input type="checkbox"/> Ultimate <input type="checkbox"/> % Moisture <input type="checkbox"/> Ash <input type="checkbox"/> Sulfur <input type="checkbox"/> BTUs <input type="checkbox"/> Volatile Matter <input type="checkbox"/> CHN <b>Other Tests:</b> <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	<b>Flyash</b> <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture <b>NPDES</b> <input type="checkbox"/> Oil & Grease <input type="checkbox"/> AS <input type="checkbox"/> TSS	<b>Oil</b> <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IPT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GOFER
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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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 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 LaSalle Avenue  
 Savannah, GA 31404  
 Phone: 912-364-7858 Fax: 912-352-0755

**Chain of Custody Record**



Environmental Testing

Client Information (Sub Contract Lab)		Lab P/V	Carrier Tracking Vial:
Client Contact	Lanner, Jerry A. <td>Lab No</td> <td>680-7159112</td>	Lab No	680-7159112
Shipping/Receiving	Jerry.Lanner@eurofins.com <td>Page</td> <td>Page 2 of 5</td>	Page	Page 2 of 5
Company	(NE)AP - Florida, State - South Carolina, State Program	Site #	880-224844-1
Address	13775 Rider Trail North,	Preservation Codes:	
City	Earth City	A - HCL	M - Name
State, Zip	MO, 63045	B - NaOH	N - Nitrite
Phone	314-298-8583(Tel) 314-298-8707(Fax)	C - Zn Acetate	O - Ascor2
Fax#		D - Nitric Acid	P - RESURS
		E - Na2SO3	Q - Na2SO4
		F - Hg2+	R - AgNO3
		G - Ammonia	S - H2S2M
		H - Ascorbic Acid	T - 15% Dioxolacetic
		I - LH	U - Acetone
		J - Di Water	V - MCAA
		K - EDTA	W - pH 4.5
		L - CCA	X - Inhib
			Z - Other (Specify)
		Other:	

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (IC=Comb, G=Grab)	Matrix (I=Water, S=Soils, O=Other)	Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	8024/FIELD FILTERED (MOI Standard List)	8024/MS/MS (% MOI) Single Standard Element	Total Number of Containers	Special Instructions/Note
AF47621 (680-224844-10)	10/26/22	11:47 Eastern	Water	Water	X	X			2	
AF47630 (680-224844-11)	10/26/22	12:50 Eastern	Water	Water	X	X			2	
AF47626 (680-224844-12)	10/26/22	14:05 Eastern	Water	Water	X	X			2	
AF47629 (680-224844-13)	10/26/22	14:50 Eastern	Water	Water	X	X			2	
AF47627 (680-224844-14)	10/26/22	15:32 Eastern	Water	Water	X	X			2	
AF47625 (680-224844-15)	10/27/22	09:41 Eastern	Water	Water	X	X			2	
AF47625 (680-224844-16)	10/27/22	11:01 Eastern	Water	Water	X	X			2	
AF47624 (680-224844-17)	10/27/22	12:15 Eastern	Water	Water	X	X			2	
AF47623 (680-224844-18)	10/27/22	1:24 Eastern	Water	Water	X	X			2	

Note: Sites/containers/containers are subject to change. Eurofins Savannah, LLC please the bookkeeping method, analysis & accreditation compliance. See our subcontracts/lab orders. This sample stream is to be analyzed under chain of custody. If the laboratory does not currently maintain a record of the State of Origin/Specimen for analysis streamlining being analyzed, the samples must be shipped back to the Eurofins Savannah, LLC laboratory for other instructions not be provided. Any changes to accreditation sites should be made to: Purchasing/Procurement/Testing/Southeast, LLC attention: Emily. If a request for information is a request to add, you in the a final Chain of Custody to the Environmental 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 Storage: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Company: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_  
 Custody Seals Intact:  Yes  No Custody Seal No.: \_\_\_\_\_  
 Order Temperature: C and Other Remarks: \_\_\_\_\_



# Chain of Custody Record



<b>Client Information (Sub Contract Lab)</b>		Lab PI Lanier, Jerry A		Carrier Tracking #		COC No. 860-7158113	
Client Contact Shipping/Receiving		Email Jerry.Lanier@eurofins.com		State of Origin South Carolina		Page 3 of 5	
Company TestAmerica Laboratories, Inc.		Accreditation Reference (See note) NELAP - Florida, State - South Carolina, State Program		Job #		860-224844-1	
Address 13715 Rider Trail North,		Due Date Requested: 11/18/2022		Analysis Requested		Preservation Codes: A - TCL M - None B - MECH R - None C - 2r acetate O - As 10-22 P - SAP045 D - Micro Acid E - NMS004 R - W2500 S - P2504 G - Acetone H - Acetone Acid I - Ion U - Acetone V - MCAA W - P-4-5 X - Trione Y - EDA Z - Other Specialty Other:	
City: Earth City		MAT Requested (date):		Perform MS/MSD (Yes or No)		Total Number of Containers	
State Zip MO, 63045		MO #		602B/C (Yes or No) (MS/MSD Single Standard Element)			
Phone 314-288-8556 (tel) 314-288-8757 (fax)		WO #		602B/C (Yes or No) (MS/MSD Single Standard Element)			
Fax 314-288-8556 (tel) 314-288-8757 (fax)		Project Name: 125915/JM02 09 G01.1.066530		Field Filtered Sample (Yes or No)			
Site 88008190		Site		Matrix (Yes or No) (Yes or No)			
		Special Instructions (Note):					
		Sample Identification - Client ID (Lab ID)					
AF47622 (680-224844-18)		Sample Date 10/27/22		Sample Time 14:46 Eastern		Sample Type (C=Comp, G=gab) Water	
AF47659 (680-224844-20)		Sample Date 10/27/22		Sample Time 15:56 Eastern		Sample Type (C=Comp, G=gab) Water	
AF47660 (680-224844-21)		Sample Date 10/27/22		Sample Time 18:01 Eastern		Sample Type (C=Comp, G=gab) Water	
AF47661 (680-224844-22)		Sample Date 10/31/22		Sample Time 15:13 Eastern		Sample Type (C=Comp, G=gab) Water	
AF47662 (680-224844-23)		Sample Date 10/31/22		Sample Time 11:27 Eastern		Sample Type (C=Comp, G=gab) Water	
AF47663 (680-224844-24)		Sample Date 10/31/22		Sample Time 11:32 Eastern		Sample Type (C=Comp, G=gab) Water	
AF47666 (680-224844-25)		Sample Date 10/31/22		Sample Time 12:40 Eastern		Sample Type (C=Comp, G=gab) Water	
AF47667 (680-224844-26)		Sample Date 10/31/22		Sample Time 13:12 Eastern		Sample Type (C=Comp, G=gab) Water	
AF47668 (680-224844-27)		Sample Date 10/31/22		Sample Time 14:32 Eastern		Sample Type (C=Comp, G=gab) Water	
<p>Note: Sample integrity conditions are subject to change. Eurofins Environmental Testing Savannah, LLC places the ownership of finished, unopened samples under their custody. If the laboratory does not currently maintain accreditation in the state of origin listed above for analysis of the sample being analyzed, the samples must be shipped back to the Eurofins Environmental Testing Savannah, LLC laboratory or other instructions will be provided. Any live gas in refrigeration shall be shipped to Eurofins Environmental Testing Savannah, LLC immediately. If a requested accreditation is current to date, return the signed Chain of Custody, attesting to said compliance to Eurofins Environmental Testing Savannah, LLC.</p>							
<p><b>Possible Hazard Identification</b></p> <p>Unconfirmed                  Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 1                  Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months                  Special Instructions/QC Requirements:</p>							
<p>Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of shipment:</p>							
<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>							
<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>							
<p>Relinquished by: _____ Date/Time: _____ Company: _____</p>							
<p>Custody Seals intact: _____ Custody Seal No.: _____                  Yes No</p>							





**Eurofins Savannah**

5102 LaRue Avenue  
Savannah, GA 31404  
Phone: 312 354-7888 Fax: 912-352-0166

**Chain of Custody Record**

Eurofins

Environmental Testing

<b>Client Information (Sub Contract Lab)</b>		Lab by: Jerry A	Camera Tracking (Yes)	EOC No: 680-718911.4						
Company: TegAmerica Laboratories, Inc.		Lab or: Jerry A	State of Origin: South Carolina	Page 4 of 5						
Address: 13745 River Trail North, Earth City, Mo, 63045		E-Mail: Jerry.Lentier@eurofins.com	Job #	880-224844-1						
Phone: 314-298-8556 (Tel) 314-298-8757 (Fax)		Accreditations Required (See Note): NELAP - Florida, State - South Carolina, State Program ...	Preservation Codes:	M - Heavily N - None O - Risk/32 P - Not/48 Q - Max/60 R - Max/703 S - H2SO4 T - TSP Decontam/ala U - Unknown V - MCA W - 3H 42 X - Other Y - Other Z - Other (Specify)						
Due Date Requested: 11/16/2022		<b>Analysis Requested</b>								
TAT Requested (days):		Total Number of Containers								
Project #		Perform MS/MSD (Yes or No)								
WO #		Field Flashed Sample (Yes or No)								
Project # 66008150		630291010A, 2M (VOC) Single Standard Element								
Site		630291010A, 2M (VOC) Single Standard Element								
Sample ID (Lab ID)		Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix (for use in analysis)	Preservative Code	Field Flashed Sample (Yes or No)	Perform MS/MSD (Yes or No)	630291010A, 2M (VOC) Single Standard Element	Special Instructions/Note:
AF-47643 (580-224844-28)	11/2/22	09:42 Eastern	Water	Water	X	X	2			
AF-47644 (680-224844-29)	11/2/22	09:47 Eastern	Water	Water	X	X	2			
AF-47645 (680-224844-30)	11/2/22	11:22 Eastern	Water	Water	X	X	2			
AF-47662 (580-224844-32)	11/2/22	13:51 Eastern	Water	Water	X	X	2			
AF-47663 (680-224844-33)	11/2/22	14:52 Eastern	Water	Water	X	X	2			
AF-47658 (680-224844-34)	11/2/22	16:00 Eastern	Water	Water	X	X	2			
AF-47639 (680-224844-35)	11/1/22	10:13 Eastern	Water	Water	X	X	2			
AF-47645 (680-224844-36)	11/1/22	11:29 Eastern	Water	Water	X	X	2			

Note: Since laboratory accreditation are subject to change, Eurofins Environmental Testing Savannah, LLC above, the ownership of method, analyte & instrument or compliance agency, sub-contract laboratories, the sample shipment is warranted under the accreditation. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/parameters being analyzed the samples must be shipped back to the Eurofins Environmental Testing Savannah, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environmental Testing Savannah, LLC attention in a timely manner. If all requested accreditation are current to date, return the signed Chain of Custody including in said compliance to Eurofins Environmental Testing Savannah, LLC.

**Possible Hazard Identification**  
 Unconfirmed  
 Return To Client  
 Dispose By Lab  
 Archive For Months

Deliverable Requested: I, II, III, IV, Other (Specify):  
 Primary Deliverable Rank: 1  
 Special Instructions/QC Requirements:

Empty Kit Requisitioned by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Requisitioned by: \_\_\_\_\_ Date Time: \_\_\_\_\_  
 Received by: \_\_\_\_\_ Date Time: \_\_\_\_\_  
 Company: FEDEX  
 Recycled by: \_\_\_\_\_ Date Time: \_\_\_\_\_  
 Retained by: \_\_\_\_\_ Date Time: \_\_\_\_\_  
 Company: Eurofins

Custody Seals Intact: \_\_\_\_\_ Custody Seal No: \_\_\_\_\_  
 3 Yes 3 No

Other (Temperature, % and Other) Remarks: \_\_\_\_\_



**Eurofins Savannah**

5102 La Roche Avenue  
Savannah GA 31404  
Phone: 912-354-7858 Fax: 912-352-0165

**Chain of Custody Record**



Environment Testing

Client Contact: Jerry Lanier, Jerry A. Lanier, Jerry A. Lanier

**Client Information (Sub Contract Lab)**

Address: 13715 Rider Trail North  
City: Statesville, NC  
State, Zip: NC 28687  
Phone: 314-298-9566 (Tel) 314-298-8767 (Fax)  
E-mail: jlanier@eurofins.com

Project Name: 125815-0102 06-001 -385500  
Site: ESCAPE

Due Date Requested: 11/16/22  
TAT Requested (days): 7

PO #: 314-298-9566 (Tel) 314-298-8767 (Fax)

Project # 385500-90

Site ESCAPE

Lab # M  
Lanier, Jerry A  
F-Mail  
Jerry.Lanier@eurofins.com  
Arrival Instructions Requested/See notes:  
NELAP - Florida, State - South Carolina, State Program  
#660-224-844-1

Carrie "asking Mike"  
State of Origin  
South Carolina  
Page 5 of 5

Preservation Codes:  
A - VCL  
B - Sealed  
C - 20% Meq/L  
D - 10% Meq/L  
E - 5% Meq/L  
F - Meq/L  
G - Ascorbic Acid  
H - Ascorbic Acid  
I - Ice  
J - DI Water  
K - EDTA  
L - ECA  
Other

M - Hazard  
N - None  
O - Ascorbic Acid  
P - Ascorbic Acid  
Q - Ascorbic Acid  
R - Ascorbic Acid  
S - Hazard  
T - 20% Acidity/Ascorbic Acid  
U - Ascorbic Acid  
V - Meq/L  
W - pH 4.5  
X - Trace  
Y - Trace  
Z - 20% Acidity/Ascorbic Acid

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (IC-Comp, G-Grab)	Matrix (Wash, Grab, Composite)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	60200FIELD_FL_RD (MOC) Standard Element	60200FIELD_FL_RD (MOC) Single Standard Element	Total Number of Containers	Special Instructions/Note
AF47641 (680-224844-37)	11/1/22	12:28 Eastern	Water	Water	X	X	X			2	
AF47642 (680-224844-38)	11/1/22	14:06 Eastern	Water	Water	X	X	X			2	
AF47640 (680-224844-36)	11/1/22	15:15 Eastern	Water	Water	X	X	X			2	
AF47653 (680-224844-10)	11/3/22	10:03 Eastern	Water	Water	X	X	X			2	
AF47654 (680-224844-11)	11/3/22	11:04 Eastern	Water	Water	X	X	X			2	
AF47657 (680-224844-42)	11/3/22	12:20 Eastern	Water	Water	X	X	X			2	
AF47664 (680-224844-43)	11/3/22	13:44 Eastern	Water	Water	X	X	X			2	
AF47665 (680-224844-44)	11/3/22	14:49 Eastern	Water	Water	X	X	X			2	

Note: Since laboratory accreditation are subject to change, Eurofins Environment Testing Savannah, LLC places the ownership of method, equipment, and procedures in the hands of the client. The client is responsible for ensuring that the laboratory is accredited to the appropriate standard. The client is responsible for ensuring that the laboratory is accredited to the appropriate standard. The client is responsible for ensuring that the laboratory is accredited to the appropriate standard.

**Possible Hazard Identification**  
Uncontaminated

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

Primary Deliverable Rank: 1

Return to Client:  Physical By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/OC Requirements

Empty Kit Requisitioned by	Date	Time	Method of Shipment
Requisitioned by	11/16/22	14:12	FED EX
Requisitioned by	11/16/22	14:12	FED EX
Requisitioned by	11/16/22	14:12	FED EX

Custody Seal Intact:  Yes  No  
Custody Seal No.:

Cooler Temperature(s) °C and/or °F:

Signature: [Signature]

Date: 11/22/2022



## Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-224844-1

**Login Number: 224844**

**List Number: 1**

**Creator: Johnson, Corey M**

**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.	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  
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

## Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-22 *

## Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-23
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	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.

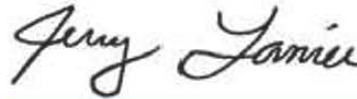
# Eurofins Savannah

## 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



Generated  
11/22/2022 6:01:28 PM

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Authorized for release by  
Jerry Lanier, Project Manager I  
[Jerry.Lanier@et.eurofinsus.com](mailto:Jerry.Lanier@et.eurofinsus.com)  
(912)250-0281

## **Field Data Sheets**

(Note: color coding is to assist with stabilization of the field parameters prior to sample collection)

**Cross Generating Station  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CLF1B-5	81.09	5.38	12.0 - 22.0	11/1/2022	1013	24.73

Drawdown: 5.59 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
945	23.47	6.32	31	1380	38.1	4.26
950	23.62	6.42	-3	1370	9.8	1.33
955	23.64	6.44	-9	1370	2.8	1.09
1000	23.77	6.44	-14	1370	0.3	0.97
1005	23.96	6.46	-19	1380	0.3	0.81
1010	23.91	6.47	-22	1380	0	0.77
1013	23.87	6.47	-24	1380	0	0.75

Comments/Conditions:

Samples were collected by Justin Kirk and TC Guerry





**Cross Generating Station  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CLF1B-3	82.75	6.74	10.0 - 20.0	10/31/2022	1342	22.91

Drawdown: 6.8 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)
1314	26.39	6.92	77	611	0.3	9.9
1319	25.77	6.63	9	918	0	1.01
1324	25.28	6.66	-13	942	0	0.75
1329	24.75	6.67	-24	953	0	0.68
1334	24.65	6.67	-28	949	0	0.66
1339	24.61	6.68	-35	947	0	0.62
1342	24.61	6.68	-37	941	0	0.6

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 Justin Kirk and Damien Johnson



**Cross Generating Station  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time
CLF1B-1	83.76	7.51	12.0 - 22.0	10/31/2022	1127

Drawdown: 7.69 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)
1102	24.08	6.58	36	783	0
1107	24.25	6.55	36	784	0
1112	24.18	6.55	36	781	0
1117	24.2	6.55	36	781	0
1122	24.38	6.55	36	779	0
1127	24.45	6.55	36	775	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:

Duplicate at 1132

Samples were collected by Justin Kirk and Damien Johnson

## Cross Generating Station Background Groundwater Monitoring Wells

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time
CBW-1	85.80	10.42	14-24	10/25/2022	1034

Drawdown: 10.47 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)
1000	24.34	4.4	206	183	1.7
1005	24.42	4.27	257	183	0
1010	24.38	4.31	263	188	0
1015	24.38	4.32	276	189	0
1020	24.33	4.31	286	190	0
1025	24.3	4.31	294	190	0
1028	24.3	4.31	298	190	0
1031	24.3	4.31	300	190	0

**CCR/Class 3 Landfill:** As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

**CCR Only:** As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

**Comments/Conditions:** Field data was lost when file wouldn't open. Field data redone on 11/4

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  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CLF1B-5	81.09	8.73	12.0 - 22.0	6/27/2022	1348	24.72

Drawdown: 8.95 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)
1320	23.21	6.69	12	1410	15.3	0.57
1325	22.94	6.66	-40	1430	12.6	0.42
1330	23.04	6.66	-48	1430	12.1	0.43
1335	23	6.65	-51	1430	13.1	0.34
1340	23.1	6.66	-52	1430	15	0.34
1345	23.16	6.66	-54	1430	15.2	0.33
1348	23.19	6.66	-55	1430	14.1	0.32

Comments/Conditions:

Samples were collected by Trey West and Marvin Lewis

**Cross Generating Station  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CLF1B-4	82.74	9.95	12.0 - 22.0	6/27/2022	1253	24.44

Drawdown: 10.02 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1207	20.75	7.01	96	787	3.9	1.16
1212	20.74	6.86	155	826	14.8	0.51
1217	21.09	6.87	153	819	11.5	0.44
1222	21.58	6.91	136	813	8.5	0.55
1227	21.63	6.92	124	811	9.4	0.38
1232	22.07	6.94	113	807	7.5	0.53
1235	21.97	6.95	111	807	8.2	0.4
1238	22.67	6.95	102	796	7.7	0.37
1241	21.66	6.96	103	815	7.2	0.6
1244	21.03	6.95	113	808	6.9	0.38
1247	20.78	6.95	118	802	6	0.32
1250	20.75	6.94	124	791	5.2	0.3
1253	20.8	6.93	125	786	5.5	0.3

**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  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time
CLF1B-2	82.04	8.31	12.0 - 22.0	6/27/2022	1055

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)
1015	20.93	6.97	92	781	4.9
1020	22.11	6.9	32	768	3.7
1025	22.72	6.9	27	770	4.9
1030	23.21	6.91	22	768	4.8
1035	23.56	6.93	16	769	8.2
1040	21.51	6.92	-22	785	7.7
1043	20.74	6.92	-37	776	6.2
1046	20.36	6.89	-42	775	5.1
1049	20.25	6.87	-46	771	3.7
1052	20.25	6.86	-50	770	3.8
1055	20.22	6.85	-51	771	3.7

**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:

**Cross Generating Station  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time
CLF1B-1	83.76	9.71	12.0 - 22.0	6/27/2022	926

Drawdown: 9.8 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)
855	19.54	6.77	127	936	6
900	20.07	6.76	102	940	9.4
905	20.4	6.76	92	939	8
910	20.58	6.76	88	940	7.1
915	20.53	6.77	83	941	2.7
920	20.55	6.76	79	940	1.9
923	20.59	6.75	76	938	1.5
926	20.63	6.78	72	937	1.8

**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:

Duplicate at 931

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  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CLF1B-5	81.09	4.51	12.0 - 22.0	1/25/2022	1006	24.75

Drawdown: 4.59 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
917	16.73	6.71	236	1510	97.5	1.38
922	16.85	6.57	367	1500	47.5	1.05
927	16.96	6.57	326	1490	22.2	0.87
932	17.02	6.57	108	1500	20.4	0.72
937	17.14	6.58	73	1500	15.3	0.6
942	17.29	6.61	55	1510	11.7	0.55
945	17.38	6.63	46	1500	10.4	0.49
948	17.44	6.65	38	1480	10.7	0.46
951	17.43	6.64	34	1480	6.8	0.48
954	17.44	6.6	32	1470	0	0.41
957	17.44	6.6	29	1470	0	0.4
1000	17.45	6.7	20	1450	0	0.37
1003	17.4	6.65	19	1460	0	0.37
1006	17.4	6.64	18	1470	0	0.36

Comments/Conditions:

Samples were collected by Ben Taylor and Brian Brase

**Cross Generating Station  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CLF1B-4	82.74	6.21	12.0 - 22.0	1/24/2022	1739	24.44

Drawdown: 6.29 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)
1702	21.29	7.34	59	644	42.4	5.98
1707	20.76	7.08	216	637	50.8	2.41
1712	20.11	7.06	318	654	42	2.21
1717	19.86	7.06	363	658	30	2.02
1722	19.66	7.05	394	666	19.5	1.81
1727	19.39	7.05	410	669	14	1.68
1730	19.22	7.05	415	664	13.5	1.55
1733	19	7.05	421	664	11.1	1.45
1736	18.99	7.05	426	668	7.3	1.39
1739	18.84	7.05	430	666	7.8	1.32

**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  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time	Total Well Depth
CLF1B-3	82.75	6.42	10.0 - 20.0	1/24/2022	1612	22.99

Drawdown: 6.51 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1520	23.49	6.41	33	774	379	0.4
1525	23.23	6.48	29	783	476	1.02
1530	23.17	6.54	23	796	202	0.33
1535	23.19	6.59	18	805	95.7	0.31
1540	23.21	6.61	17	807	88.4	0.31
1545	23.22	6.61	16	811	57.2	0.29
1548	23.22	6.64	14	818	48.3	0.28
1551	23.21	6.64	13	824	47.7	0.28
1554	23.19	6.64	13	824	35.4	0.28
1557	23.15	6.64	12	826	45.6	0.27
1600	22.97	6.63	11	834	28.1	0.27
1603	22.92	6.63	11	834	36.6	0.26
1606	22.85	6.62	11	844	28.5	0.26
1609	22.79	6.62	10	846	28	0.26
1612	22.75	6.62	10	845	28.3	0.26

**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  
Class 3 Landfill Groundwater Monitoring Wells**

Well ID	TOC Elevation (feet)	GW Depth (feet)	Screen Intervals (ft, bgs)	Sample Date	Sample Time
CLF1B-1	83.76	7.65	12.0 - 22.0	1/24/2022	1329

Drawdown: 7.74 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)
1240	18.37	6.79	40	888	30.8
1245	18.34	6.73	79	899	35.6
1250	18.59	6.71	86	895	37.4
1255	18.93	6.76	83	893	39.8
1300	19.17	6.77	80	886	40.2
1305	19.32	6.78	77	880	41.5
1308	19.42	6.78	75	878	35.8
1311	19.5	6.77	76	877	22.5
1314	19.57	6.78	74	873	15.6
1317	19.59	6.77	75	869	12.6
1320	19.62	6.76	74	868	11
1323	19.63	6.75	74	868	10.9
1326	19.67	6.74	72	867	7.9
1329	19.67	6.74	72	866	7.6

**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:

Duplicate at 1334

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**



