

**2022 ANNUAL GROUNDWATER MONITORING
AND CORRECTIVE ACTION REPORT
SLURRY POND 3 & 4
WINYAH GENERATING STATION**

**by Santee Cooper
Moncks Corner, South Carolina**

January 31, 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 Slurry Pond 3 & 4 at the Winyah Generating Station (WGS). This 2022 Annual Report was prepared to comply with the United States Environmental Protection Agency (EPA) Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals (CCR) from Electric Utilities, Title 40 Code of Federal Regulations (CFR) Part 257, Subpart D dated April 17, 2015, (CCR Rule), specifically subsection § 257.90(e)(1) through (6).

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

At the start of the current annual reporting period (January 1, 2022), the WGS Slurry Pond 3 & 4 continued to operate under an assessment monitoring program in accordance with § 257.95, which was initiated on July 16, 2018. As required by § 257.93(h)(2), the statistical analysis to determine if statistically significant levels (SSLs) of one or more Appendix IV constituents are present downgradient of Slurry Pond 3 & 4 identified SSLs above the groundwater protection standards (GWPS) for arsenic and lithium. The SSLs for arsenic and lithium were addressed through completion of a successful alternate source demonstration (ASD) which was certified on October 9, 2019. The successful ASD, provided in the 2019 Annual Groundwater Report, allowed this CCR unit to remain in assessment monitoring. SSLs of Appendix IV constituents were not identified in downgradient monitoring wells for this unit during the semiannual monitoring events completed in 2022. Therefore, at the end of the current annual reporting period (December 31, 2022), Slurry Pond 3 & 4 remains in the assessment monitoring program. As such, an assessment of corrective measures, evaluating the nature and extent of contamination, holding a public meeting, selecting a remedy, and initiating remedial activities are not required.

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 Slurry Pond 3 & 4 at WGS is an existing surface impoundment which is no longer receiving CCR or non-CCR waste streams and is undergoing closure by removal. As such, it is subject to the groundwater monitoring and corrective action requirements set forth by the EPA in 40 CFR § 257.90 through §

257.98. This document satisfies the requirement under § 257.90(e) which requires the CCR Unit Owner/Operator to prepare an Annual Groundwater Monitoring and Corrective Action Report.

2.2 40 CFR § 257.90(e) - SUMMARY

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

This Annual Report documents the activities completed in 2022 for WGS Slurry Pond 3 & 4 as required by the subject regulations. Groundwater sampling and analysis was conducted per the requirements of § 257.93, and the status of the groundwater monitoring program, set forth in § 257.95, is provided in this report.

2.2.1 Status of the Groundwater Monitoring and Corrective Action Program

Statistically significant increases (SSI) of Appendix III constituents were identified downgradient of Slurry Pond 3 & 4, and the notification was provided on January 15, 2018. As a result, an Assessment Monitoring program was initiated as required by § 257.94(e)(2). The notification was placed in the facility's operating record as required by 257.106(h)(4). As required by § 257.93(h)(2), a statistical evaluation of the detected Appendix IV constituents determined there were statistically significant exceedances of groundwater protection standards (GWPS) for arsenic and lithium. Therefore, an assessment of corrective measures and nature and extent was initiated per §257.95(g)(3). An alternate source demonstration was also initiated at that time. Haley & Aldrich, Inc. documented naturally occurring conditions exist within the uppermost shallow alluvial aquifer which are responsible for mobilizing naturally occurring arsenic and lithium. Additional details are documented in the ASD report provided as an appendix to the 2019 Annual Groundwater Monitoring and Corrective Action Report. Because of the successful ASD Slurry Pond 3 & 4 remained in assessment monitoring.

For the assessment monitoring events in 2022, SSLs of Appendix IV constituents above GWPS were not identified in groundwater downgradient of this unit consistent with prior sampling results. Therefore, this CCR unit will remain in Assessment Monitoring in 2023.

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 two rounds of groundwater samples (February-March and July) in accordance with § 257.95(b) and § 257.95(d)(1) and recorded the concentrations in the facility's operating record as required by § 257.95(d)(1). Groundwater monitoring results are summarized in Table 1 and laboratory analytical results are provided in Appendix B;
- Completed statistical evaluations to determine if SSLs of GWPS were present for detected Appendix IV constituents in accordance with § 257.93(h)(2) (Appendix A);
- Installed new monitoring well WAP-29 and initiated collecting eight independent samples from to establish a statistically representative dataset prior to including in the statistical evaluations. WAP-29 will be added to the compliance groundwater monitoring network after collecting eight samples;
- 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;
 - 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; and
- Collected samples of different media (underlying soil and CCR porewater) to support ongoing closure activities.

2.2.3 Problems Encountered

There were multiple laboratory issues encountered in 2022 which contributed to longer than average turnaround time to receive results. Santee Cooper's internal lab, Analytical Services, is certified by the state of South Carolina (#08552) 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 February 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 months after sample collection. Eurofins Savannah returned the analytical results approximately one month after receipt. All non-detect reporting limits were below the required GWPS for the February-March samples.

For the July 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. While Rogers & Callcott was able to analyze metals under 6010D, they also experienced technical issues with their ICP-MS and was unable to analyze metals under method 6020B. The remaining sample volumes were returned to Santee Cooper. Upon receipt, Analytical Services sent the samples to Eurofins Savannah to analyze the appropriate metals under method 6020B. Although Eurofins Savannah analyzed some metals for both the February and July samples, the lab obtained different reporting limits for the two sampling events. All non-detect reporting limits were below the required GWPS for the July samples.

2.2.4 Actions to Resolve Problems

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

2.2.5 Project Key Activities for Upcoming Year

Key activities to be completed in 2023 include the following:

- Prepare the 2022 annual report; place it in the record as required by § 257.105(h)(1), notify the state [§ 257.106(d)]; and post to the facility's publicly available CCR website [§ 257.107(d)].
- Conduct semi-annual groundwater monitoring consistent with § 257.95.
- Complete semi-annual statistical analysis of Assessment Monitoring analytical data to determine if SSLs of the detected Appendix IV constituents are present above GWPS.
- Based on the findings of the statistical analysis, conduct an evaluation of alternate sources of Appendix IV parameters, determine the nature and extent of any SSLs identified, and prepare an assessment of corrective measures, if necessary and appropriate, as provided in § 257.95(g)(1) and § 257.95(g)(3).
- Continue collection of eight independent samples from new well WAP-29 to establish a statistically representative dataset prior to including in the statistical evaluations. Once eight samples have been collected, WAP-29 will be added to the compliance groundwater monitoring network.
- 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.

- Evaluate results of CCR porewater and underlying soil samples to inform ongoing closure activities.

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 Slurry Pond 3 & 4 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;

WGS Slurry Pond 3&4 closure operations have contributed to a dynamic environment in which historic radial groundwater flow direction may be altered on a permanent or temporary basis. Data from 2021 suggests this may have occurred, but the evaluation was inconclusive because water levels within the unlined pond's dikes were not measured. Groundwater elevations and pond water levels were measured in 2022 in conjunction with the semi-annual monitoring events to determine if flow direction has changed or if additional piezometers or monitoring wells are necessary. The water levels for 2022 interpreted a shift in groundwater flow direction from radial to a more westerly flow during the July sampling event. This is likely due to on-going dewatering and excavation activities associated with the closure by removal of the WGS Slurry Pond 3 & 4. Due to this shift in groundwater flow direction, WAP-16 would become periodically upgradient and WAP-15 could potentially become periodically side-gradient in the future. Therefore, groundwater monitoring well WAP-29 was installed in September 2022 to keep the monitoring network compliant with a minimum of three downgradient wells at the waste boundary at any given time (WAP-4, WAP-14, WAP-15, and WAP-29). The well installation record is provided in Appendix C. After installation, collection of eight independent samples was initiated to establish a statistically representative dataset prior to including WAP-29 in the statistical evaluations. WAP-29 will be added to the compliance groundwater monitoring network after collecting eight samples.

No groundwater monitoring wells were decommissioned in 2022.

2.3.3 40 CFR § 257.90(e)(3)

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

In accordance with § 257.95(b) and § 257.95(d)(1), two independent samples from each background and downgradient monitoring well were collected and analyzed. A summary table including the sample

names, dates of sample collection, reason for sample collection, and monitoring data obtained for the groundwater monitoring program for Slurry Pond 3 & 4 is presented in Table 1 of this report. In addition, and in accordance with § 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.

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 of the Appendix III constituents was completed by January 15, 2018. Baseline analytical data collected from background monitoring wells WBW-1 and WAP-1 were combined to develop Upper Tolerance Limits (UTLs). The UTLs for each Appendix III constituent were compared to the analytical results for the downgradient monitoring wells WAP-4, WAP-14, WAP-15, and WAP-16. Constituents with analytical results exceeding the UTLs were identified as SSIs over background for the respective Appendix III constituent. This statistical analysis determined that statistically significant increases of boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids were present downgradient of Slurry Pond 3 & 4. An evaluation of alternate sources for SSIs was initiated and completed on April 13, 2018, as provided in § 257.94(e)(2). A source causing the SSI over background levels other than the CCR unit was not identified at that time and an Assessment Monitoring program was initiated on July 16, 2018.

The Assessment Monitoring program has been established to meet the requirements of 40 CFR § 257.95. As required by § 257.95, the statistical evaluation of the detected Appendix IV constituents determined there were SSIs above GWPS for arsenic and lithium. Therefore, an assessment of corrective measures and a nature and extent investigation was initiated per §257.95(g)(3) on May 15, 2019. However, prior to completing the assessment of corrective measure and the evaluation of the nature and extent of arsenic and lithium, Haley & Aldrich documented naturally occurring conditions that exist within the uppermost shallow alluvial aquifer responsible for the mobilizing naturally occurring arsenic and lithium and certified the ASD on October 9, 2019. Based on the statistical evaluation for the 2022 data, no new SSIs were identified (Appendix A). Therefore, at the end of the current annual reporting period (December 31, 2022), Slurry Pond 3 & 4 will remain in assessment monitoring in 2023.

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 § 257.95 of the Rule. There are no applicable requirements from Sections § 257.96 through § 257.98.

Although the Rule does not contemplate a scenario in which additional monitoring wells are added to the compliance monitoring network for an existing surface impoundment, obtaining a baseline understanding of the groundwater elevations and constituent concentrations will follow a similar protocol to baseline sampling for background wells. Eight independent baseline samples will be collected from WAP-29 on a bimonthly schedule and will be analyzed for all Appendix III and Appendix

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

Additionally, we improved the potentiometric surface characterization of the uppermost aquifer by collecting site-wide synoptic water levels 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. During 2023, the pond water levels and synoptic groundwater elevation measurements will be collected on a quarterly basis to gain a better understanding of changes in groundwater elevations temporally given site changes induced by closure by removal activities. Groundwater flow rate and direction are provided as Figures 2 and 3 for each sampling event as specified in § 257.93(c).

Additional samples of different media types were collected in 2022 to support ongoing closure activities. Porewater samples were collected from within the CCR waste to obtain additional information on the geochemical nature of the waste. These sample results will be evaluated in 2023 which will inform ongoing closure activities. Underlying soil was also sampled via borings and analyzed in 2022. Soil samples are a requirement of the state closure plan which was approved by SCDHEC in December 2021. These sample results will be used to determine if underlying soil should be excavated after CCR excavation is completed in accordance with state closure requirements.

TABLES

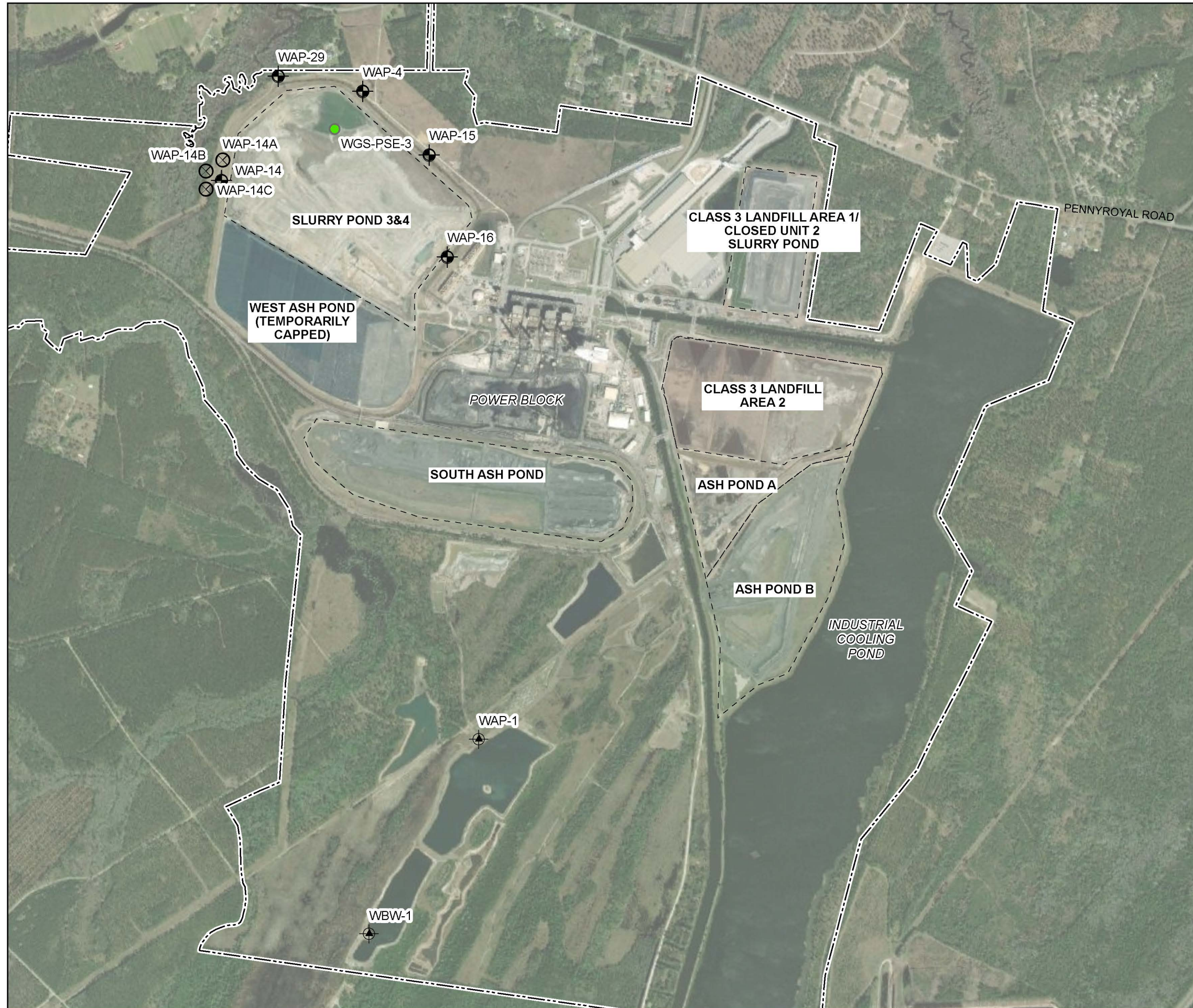
Table 2
Winyah Generating Station
2022 Synoptic Water Levels for Groundwater Monitoring Wells

Well Name	1st Event				2nd Event			
	Collection Date	Depth to Groundwater (ft btoc) ²	Top of Casing Elevation (ft msl) ²	GW Elevation (ft msl) ²	Collection Date	Depth to Groundwater (ft btoc) ²	Top of Casing Elevation (ft msl) ²	GW Elevation (ft msl) ²
WBW-1	2/15/2022	10.42	31.97	21.55	7/5/2022	10.03	31.97	21.94
PZ-1 ³	-	-	-	-	7/5/2022	9.38	31.25	21.87
WAP-1	2/15/2022	6.79	29.44	22.65	7/5/2022	7.62	29.44	21.82
WAP-2	2/16/2022	8.89	23.69	14.80	7/5/2022	10.04	23.69	13.65
WAP-3	2/16/2022	6.91	19.43	12.52	7/5/2022	8.00	19.43	11.43
WAP-4	2/16/2022	7.14	20.34	13.20	7/5/2022	8.29	20.34	12.05
WAP-5 ¹	2/16/2022	8.62	26.25	17.63	7/5/2022	9.83	26.25	16.42
WAP-6 ¹	2/15/2022	8.57	30.98	22.41	7/5/2022	8.99	30.98	21.99
WAP-7	2/15/2022	9.52	29.94	20.42	7/5/2022	10.22	29.94	19.72
WAP-8 ¹	2/15/2022	10.42	30.38	19.96	7/5/2022	11.34	30.38	19.04
WAP-9	2/16/2022	9.96	28.04	18.08	7/5/2022	10.16	28.04	17.88
WAP-10	2/16/2022	5.20	26.11	20.91	7/5/2022	6.16	26.11	19.95
WAP-11 ¹	2/16/2022	4.93	9.55	4.62	7/5/2022	5.65	9.55	3.90
WAP-12	2/16/2022	9.21	30.84	21.63	7/5/2022	9.77	30.84	21.07
WAP-13	2/16/2022	6.63	21.97	15.34	7/5/2022	7.06	21.97	14.91
WAP-14	2/16/2022	4.38	14.69	10.31	7/5/2022	5.03	14.69	9.66
WAP-14A	2/16/2022	3.05	13.95	10.90	7/5/2022	4.00	13.95	9.95
WAP-14B	2/16/2022	5.09	9.23	4.14	7/5/2022	5.71	9.23	3.52
WAP-14C	2/16/2022	9.59	13.88	4.29	7/5/2022	10.93	13.88	2.95
WAP-15	2/16/2022	6.78	20.41	13.63	7/5/2022	7.85	20.41	12.56
WAP-16	2/16/2022	7.88	25.08	17.20	7/5/2022	9.77	25.08	15.31
WAP-17	2/16/2022	6.27	26.88	20.61	7/5/2022	7.00	26.88	19.88
WAP-18	2/15/2022	10.78	31.04	20.26	7/5/2022	11.04	31.04	20.00
WAP-19	2/15/2022	24.24	43.39	19.15	7/5/2022	22.37	43.39	21.02
WAP-20	2/15/2022	21.93	43.08	21.15	7/5/2022	22.30	43.08	20.78
WAP-21	2/15/2022	22.44	43.06	20.62	7/5/2022	23.16	43.06	19.90
WAP-22	2/15/2022	10.33	30.48	20.15	7/5/2022	10.51	30.48	19.97
WAP-23	2/15/2022	22.32	43.23	20.91	7/5/2022	23.37	43.23	19.86
WAP-24	2/16/2022	7.67	28.77	21.10	7/5/2022	9.13	28.77	19.64
WAP-25	2/15/2022	8.06	27.10	19.04	7/5/2022	8.84	27.10	18.26
WAP-26	2/15/2022	8.60	27.56	18.96	7/5/2022	9.32	27.56	18.24
WBW-A1-1	2/15/2022	6.24	28.14	21.90	7/5/2022	8.69	28.14	19.45
WLF-A1-1	2/15/2022	17.92	41.35	23.43	7/5/2022	18.25	41.35	23.10
WLF-A1-2	2/15/2022	6.77	29.21	22.44	7/5/2022	7.01	29.21	22.20
WLF-A1-3	2/15/2022	6.35	28.31	21.96	7/5/2022	6.99	28.31	21.32
WLF-A1-4	2/15/2022	6.25	28.24	21.99	7/5/2022	6.70	28.24	21.54
WLF-A1-5	2/15/2022	16.29	37.64	21.35	7/5/2022	16.44	37.64	21.20
WLF-A2-1	2/15/2022	11.84	30.04	18.20	7/5/2022	9.41	30.04	20.63
WLF-A2-2	2/15/2022	7.76	27.56	19.80	7/5/2022	7.28	27.56	20.28
WLF-A2-6	2/15/2022	14.41	35.14	20.73	7/5/2022	15.26	35.14	19.88
PSE-1 ⁴	3/3/2022	-	-	20.11	7/6/2022	-	-	21.43
PSE-3 ⁴	3/3/2022	-	-	18.03	7/6/2022	-	-	17.93
PSE-5 ⁴	3/3/2022	-	-	21.06	7/6/2022	-	-	19.27







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 #SC0022471 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. Was not sampled during the 1st event.
4. Pond surface elevations (PSE) were collected to aid in the potentiometric surface interpretation.

FIGURES



LEGEND

-  BACKGROUND WELL
-  SLURRY POND 3&4 NATURE EXTENT WELL
-  SLURRY POND 3&4 MONITORING WELL
-  CCR UNIT BOUNDARY
-  PROPERTY BOUNDARY
-  POND WATER SURFACE ELEVATION MEASUREMENT LOCATION

NOTES

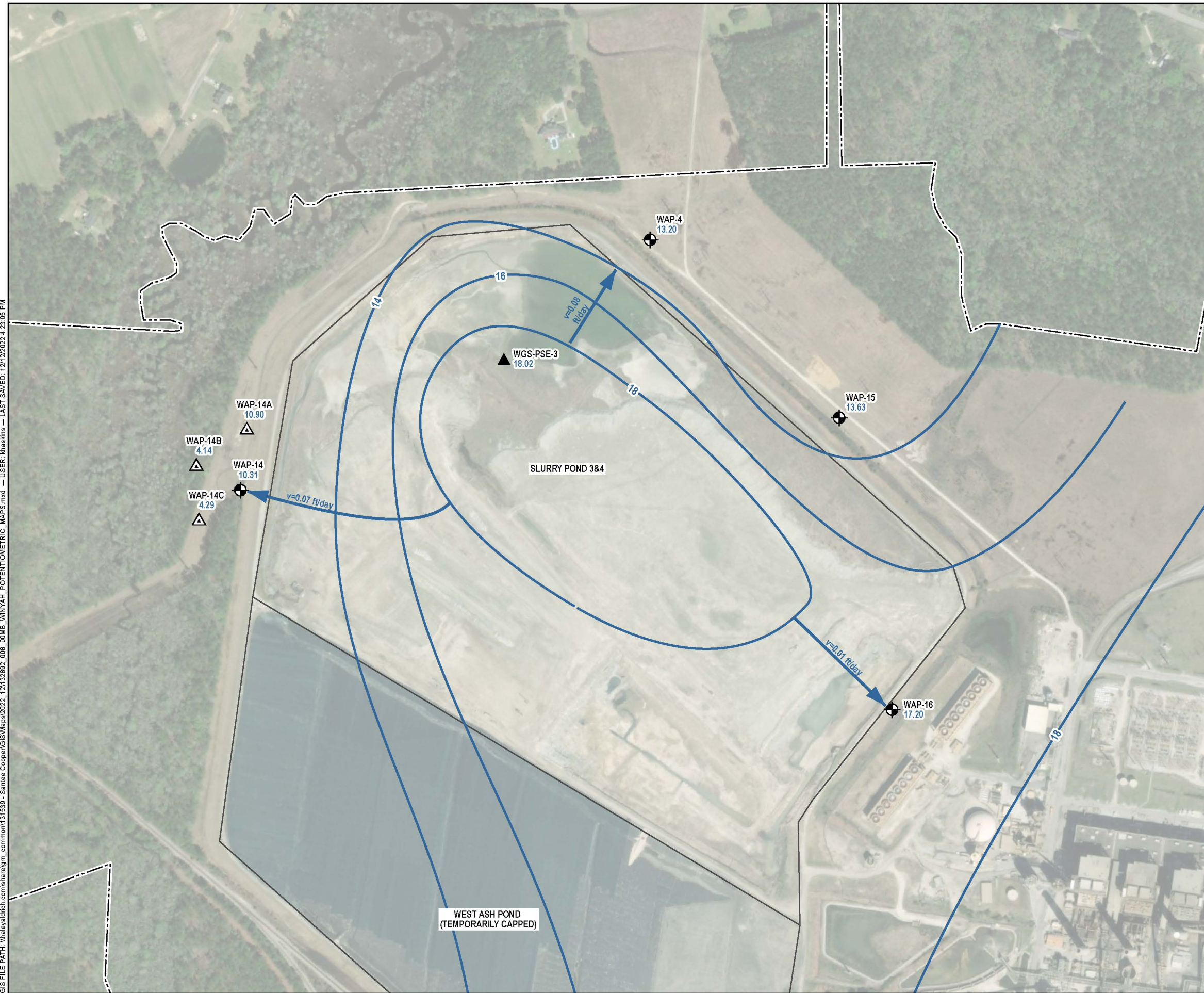
1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: ESRI










SANTEE COOPER
 WINYAH GENERATING STATION
 GEORGETOWN, SOUTH CAROLINA

**LOCATION OF SLURRY POND 3 & 4
 GROUNDWATER MONITORING WELLS
 FOR CCR COMPLIANCE**

GIS FILE PATH: \\haleyaldrich.com\share\gm_common\131539 - Santee Cooper\GIS\Maps\2022_12112022_08_00MB_WINYAH_POTENTIOMETRIC_MAPS.mxd — USER: khaskins — LAST SAVED: 12/12/2022 4:23:05 PM



LEGEND

-  CCR MONITORING WELL
-  NATURE AND EXTENT MONITORING WELL (LATERAL EXTENT)
-  UNLINED POND SURFACE ELEVATION
-  GROUNDWATER ELEVATION CONTOUR, 2-FT INTERVAL
-  GROUNDWATER FLOW DIRECTION
-  CCR UNIT BOUNDARY
-  PROPERTY BOUNDARY

NOTES

1. ALL LOCATIONS 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)
 n_e = EFFECTIVE POROSITY
4. K = 2.3 FEET PER DAY (ft/day)
5. n_e = 0.30
6. WATER LEVELS WERE MEASURED BY SANTEE COOPER ON FEBRUARY 15, 2022
7. SURFACE WATER POND (PSE) ELEVATIONS WERE MEASURED ON MARCH 3, 2022.
8. AVERAGE LINEAR VELOCITY FOR THE UNIT (GEOMETRIC MEAN OF VALUES) IS 0.04 FT/DAY.
9. AERIAL IMAGERY SOURCE: ESRI



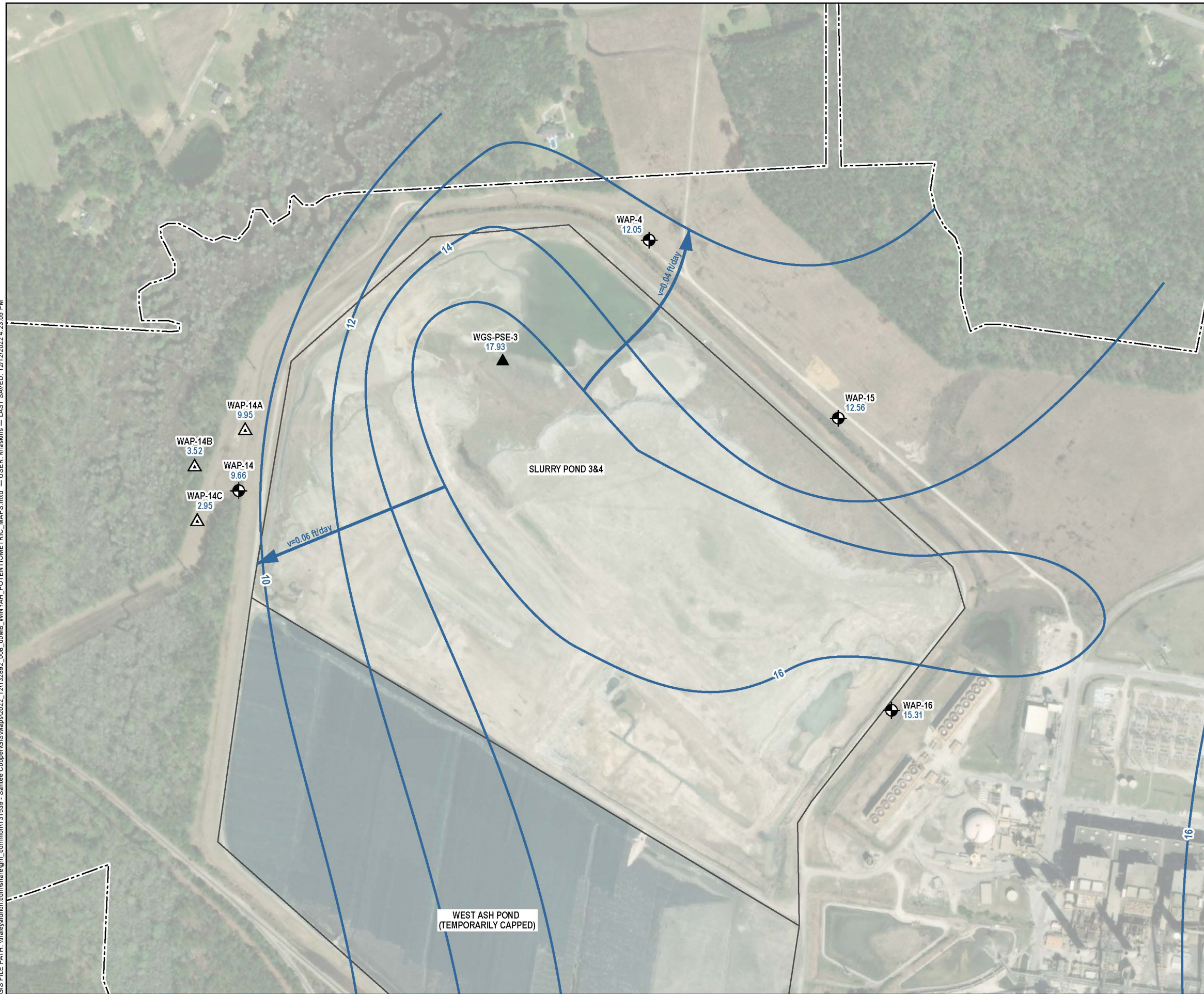
SANTEE COOPER
 WINYAH GENERATING STATION
 GEORGETOWN, SOUTH CAROLINA

**POTENTIOMETRIC MAP
 SLURRY POND 3&4
 FEBRUARY 15-16 2022**








DECEMBER 2022

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\gm_common\131539 - Santee Cooper\GIS\Maps\2022_121122892_008_00MB_WINYAH_POTENTIOMETRIC_MAPS.mxd — USER: khaskins — LAST SAVED: 12/12/2022 4:23:05 PM



LEGEND

-  CCR MONITORING WELL
-  NATURE AND EXTENT MONITORING WELL (LATERAL EXTENT)
-  UNLINED POND SURFACE ELEVATION
-  GROUNDWATER ELEVATION CONTOUR, 2-FT INTERVAL
-  GROUNDWATER FLOW DIRECTION
-  CCR UNIT BOUNDARY
-  PROPERTY BOUNDARY

NOTES

1. ALL LOCATIONS 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)
 Δh/ΔL = HORIZONTAL GRADIENT (CHANGE IN HYDRAULIC HEAD / LENGTH OF HORIZONTAL HYDRAULIC FLOW PATH)
 n_e = EFFECTIVE POROSITY
4. K = 2.3 FEET PER DAY (ft/day)
5. n_e = 0.30
6. WATER LEVELS WERE MEASURED BY SANTEE COOPER FROM JULY 5 THROUGH JULY 6, 2022
7. AVERAGE LINEAR VELOCITY FOR THE UNIT (GEOMETRIC MEAN OF VALUES) IS 0.05 FT/DAY.
8. AERIAL IMAGERY SOURCE: ESRI



HALEY ALDRICH

SANTEE COOPER
 WNYAH GENERATING STATION
 GEORGETOWN, SOUTH CAROLINA

**POTENTIOMETRIC MAP
 SLURRY POND 3&4
 JULY 5-6, 2022**

DECEMBER 2022

FIGURE 3

Appendix A – Statistical Analysis



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

TECHNICAL MEMORANDUM

August 5, 2022
File No. 132892-016

SUBJECT: Statistical Evaluation of the February 2022 Semiannual Groundwater Assessment Monitoring Data, Winyah Generating Station, Slurry Ponds 3 & 4

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 February 2022 semiannual assessment monitoring event for Slurry Ponds 3 & 4 at the Winyah Generating Station (WGS). Data for this groundwater sampling event were validated on June 7, 2022 by Santee Cooper.

BACKGROUND

The results of analytical testing performed on samples collected from the groundwater monitoring network referenced above were evaluated to determine whether there are statistically significant levels (SSLs) above Groundwater Protection Standards (GWPS) of Appendix IV groundwater monitoring constituents.

Using a combination of interwell and intrawell evaluations, data from the semiannual groundwater sampling event for the downgradient monitoring wells were compared to the GWPS established from the background dataset for the upgradient monitoring wells WAP-1 and WBW-1. The results of the groundwater assessment monitoring statistical evaluation are discussed below and are provided in Table I.

STATISTICAL EVALUATION

The Rule provides four specific options to statistically evaluate whether water quality downgradient of the CCR Unit (§257.93(f) (1-4)) represents a SSL of Appendix IV parameters above the GWPS. The selected statistical method used for these evaluations is the tolerance limit (TL). This statistical method was certified by Haley & Aldrich, Inc. on October 14, 2017.

A combination of interwell and intrawell evaluations were used for statistical analysis. A successful alternate source demonstration (ASD) was completed in 2019 for arsenic (WAP-14) and lithium (WAP-15). As a result, an intrawell evaluation was used for these constituents at these locations. Interwell evaluations were performed for the other Appendix IV constituents detected downgradient of Slurry Pond 3 & 4. Interwell evaluations compare the most recent values from downgradient compliance wells against a background dataset composed of upgradient well data. The TL method was used to evaluate potential SSLs above GWPS. The GWPS for each of the Appendix IV constituents has been set equal to

the highest value of the maximum contaminant level, regional screening level (RSL), or site background concentration. The intrawell evaluation compares the most recent values from each compliance well against a background dataset composed of its own historical data. Data from the most recent groundwater sampling event from each compliance well were compared to the corresponding GWPS to determine if a SSL existed. The results of the statistical analysis are presented in Table I.

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

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

The UTLs were calculated from the background well dataset using Chemstat 6.3.0.0 software after testing for outlier sample results was completed to determine if any data would warrant removal from the dataset based on a likely error in sampling or measurement. Both visual and statistical outlier tests for the background data were performed using Chemstat and U.S. Environmental Protection Agency's ProUCL 5.1 software, and a visual inspection of the data was performed using distribution plots for the downgradient sample data. No sample data were identified as outliers that warranted removal from the dataset.

The groundwater analytical results for each sampling event from the background sample location (WAP-1 and WBW-1) were combined to calculate the UTL for each detected Appendix IV constituent. The variability and distribution of the pooled dataset were evaluated to determine the method for UTL calculation. The background dataset will be updated again after the 2023 second semiannual sampling event, in accordance with *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009* (the Unified Guidance).

RESULTS OF APPENDIX IV DOWNGRADIENT STATISTICAL COMPARISONS

The sample concentrations from the downgradient wells for each of the detected Appendix IV constituents from the February 2022 semiannual assessment monitoring event were compared to their respective GWPS (Table I). A sample concentration or LCL greater than the GWPS is considered to represent a SSL. Based on previous compliance sampling event, statistical evaluations, and associated alternative source demonstrations, interwell comparisons were utilized for constituents in the downgradient wells. An intrawell comparison is utilized for WAP-14 and WAP-15 for arsenic and lithium, respectively because of the findings of the ASD for those locations. SSLs were not identified for the February 2022 monitoring event.

Because radium concentrations were identified above the GWPS, the LCL for each of the locations was calculated and was below the GWPS. Therefore, the concentrations were not SSLs. These concentrations are attributed to the closure-by-removal construction activities that are currently underway. Short-term increases in the concentrations of Appendix IV constituents are not unexpected during closure, excavation, or construction activities. Anomalous concentrations should decrease once the closure is complete and equilibrium groundwater conditions are restored. The expected date for completing CCR removal for Slurry Ponds 3 & 4 is 2025. Groundwater trends will continue to be monitored in future sampling events.

Tables:

Table I –Assessment Monitoring Statistical Analysis Summary – February-March 2022
Groundwater Monitoring Event

TABLES



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

TECHNICAL MEMORANDUM

December 30, 2022
File No. 132892-016

SUBJECT: Statistical Evaluation of the Summer 2022 Semiannual Groundwater Assessment Monitoring Data, Winyah Generating Station, Slurry Pond 3 & 4

Pursuant to Title 40 Code of Federal Regulations (40 CFR) §257.93 and §257.95 (Rule), this memorandum summarizes the statistical evaluation of the groundwater analytical results obtained for the summer 2022 semiannual assessment monitoring event for Winyah Generating Station (WGS) Slurry Pond 3 & 4. Data for this groundwater sampling event were validated on October 5, 2022 by Santee Cooper.

BACKGROUND

The WGS Slurry Pond 3 & 4 ceased receipt of all CCR and non-CCR wastewater inflows prior to April 11, 2021. Closure by excavation and removal of CCR is currently underway.

Statistically significant levels (SSLs) of arsenic and lithium above Groundwater Protection Standards (GWPS) were identified in previous assessment monitoring events. Subsequently, an alternative source demonstration (ASD) was completed on September 12, 2019 which concluded that a source other than the WGS Slurry Pond 3 & 4 was contributing to the SSLs for arsenic and lithium. Accordingly, the unit remained in assessment monitoring.

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

STATISTICAL EVALUATION

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

A combination of interwell and intrawell evaluations were used for the statistical analysis. Interwell evaluations were performed for Appendix IV constituents detected downgradient of Slurry Pond 3 & 4 and compared to the most recent values from downgradient compliance wells against a background dataset. The GWPS for each of the Appendix IV constituents has been set equal to the highest value of the maximum contaminant level, regional screening level (RSL), or site background concentration. The

intrawell evaluation for arsenic and lithium compares the most recent values from each compliance well against a background dataset composed of its own historical data. Data from the most recent groundwater sampling event from each compliance well were compared to the corresponding GWPS to determine if a SSL existed. The results of the statistical analysis are presented in Table I.

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

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

After testing for outliers, the UTLs were calculated from the background dataset to evaluate whether removal of data was necessary based on sampling or measurement discrepancies. Both visual and statistical outlier tests for the background data were performed.¹ A visual inspection of the data was performed using distribution plots for the downgradient sample data. Based on our review, no sample data were identified as outliers that warranted removal from the dataset.

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

RESULTS OF APPENDIX IV DOWNGRADIENT STATISTICAL COMPARISONS

The sample concentrations from the downgradient wells for each of the detected Appendix IV constituents from the summer 2022 semiannual assessment monitoring event were compared to their respective GWPS (Table I). A sample concentration or LCL greater than the GWPS is considered to represent a SSL. Interwell comparisons were used for most constituents in downgradient wells. An intrawell comparison was used for arsenic and lithium as supported by the successful 2019 Alternate Source Demonstration (ASD). SSLs were not identified for the summer 2022 monitoring event.

¹ Visual and statistical outlier tests for background data were performed using Chemstat 6.3.0.0 and U.S. Environmental Protection Agency's ProUCL 5.1 software.

Arsenic, barium, beryllium, fluoride, and lithium were detected; however, they fell below respective SSLs. Short-term increases in the concentrations of Appendix IV constituents are not unexpected during dewatering and excavation closure activities. Concentrations are expected to decrease once the closure is complete and groundwater equilibrium is restored. The expected date for completing CCR removal for Slurry Pond 3 & 4 is in 2025. Groundwater trends will continue to be monitored in future sampling events.

Enclosures:

Table I – WGS Slurry Pond 3 & 4 Summer 2022 Semiannual Assessment Monitoring Data

\\haleyaldrich.com\share\grn_common\131539 - Santee Cooper\Winyah Generating Station\Statistical Analysis\2022-07\Slurry Pond 3&4\2022-1230_HAI_WGS_Slurry Pond 3,4_Assessment Monitoring Stats_F.docx

TABLE

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 # AF27187 **Location:** GW Well WAP-1 **Date:** 02/15/2022 **Sample Collector:** BRT/BSB
Loc. Code WAP-1 **Time:** 12:34

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	7.2	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	43.4	ug/L	03/15/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	1.54	mg/L	03/15/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Cobalt	1.31	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Antimony	<2	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Boron	16.4	ug/L	03/15/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	03/15/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	03/15/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/14/2022	PACE	EPA 7470
Total Dissolved Solids	47.50	mg/L	02/28/2022	SJBROWN	SM 2540C
Fluoride	<0.10	mg/L	02/23/2022	KCWELLS	EPA 300.0
Chloride	7.74	mg/L	02/23/2022	KCWELLS	EPA 300.0
Sulfate	21.3	mg/L	02/23/2022	KCWELLS	EPA 300.0
Radium 226	1.27	pCi/L	03/07/2022	GEL	EPA 903.1 Mod
Radium 228	0.870	pCi/L	03/09/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.14	pCi/L	03/09/2022	GEL	EPA 903.1 Mod
pH	4.58	SU	02/15/2022	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: 6/7/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27221 **Location:** GW Well WBW-1 **Date:** 02/15/2022 **Sample Collector:** BRT/BSB
Loc. Code WBW-1 **Time:** 11:24

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	22.8	ug/L	04/06/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	2.28	mg/L	04/06/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Cobalt	8.38	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Boron	15.4	ug/L	04/06/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	04/06/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	04/06/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/14/2022	PACE	EPA 7470
Total Dissolved Solids	292.5	mg/L	02/28/2022	SJBROWN	SM 2540C
Fluoride	<0.10	mg/L	02/23/2022	KCWELLS	EPA 300.0
Chloride	5.77	mg/L	02/23/2022	KCWELLS	EPA 300.0
Sulfate	10.9	mg/L	02/23/2022	KCWELLS	EPA 300.0
Radium 226	0.210	pCi/L	03/07/2022	GEL	EPA 903.1 Mod
Radium 228	2.97	pCi/L	03/09/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.17	pCi/L	03/09/2022	GEL	EPA 903.1 Mod
pH	4.16	SU	02/15/2022	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: 6/7/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27190 **Location:** GW Well WAP-4 **Date:** 02/21/2022 **Sample Collector:** BRT/BSB
Loc. Code WAP-4 **Time:** 13:35

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	32.6	ug/L	03/15/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	43.1	mg/L	03/15/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Antimony	<2	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Boron	112	ug/L	03/15/2022	SJHATCHE	EPA 6010D
Lithium	7.69	ug/L	03/15/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	03/15/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/14/2022	PACE	EPA 7470
Total Dissolved Solids	226.2	mg/L	03/04/2022	SJBROWN	SM 2540C
Fluoride	0.13	mg/L	02/23/2022	KCWELLS	EPA 300.0
Chloride	209	mg/L	02/23/2022	KCWELLS	EPA 300.0
Sulfate	118	mg/L	02/23/2022	KCWELLS	EPA 300.0
Radium 226	6.69	pCi/L	03/07/2022	GEL	EPA 903.1 Mod
Radium 228	0.457	pCi/L	03/09/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	7.15	pCi/L	03/09/2022	GEL	EPA 903.1 Mod
pH	7.21	SU	02/21/2022	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: 6/7/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27202 **Location:** GW Well WAP-14 **Date:** 02/28/2022 **Sample Collector:** BRT/BSB
Loc. Code WAP-14 **Time:** 13:02

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	31.7	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	46.1	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	968	mg/L	04/07/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Antimony	<2	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Boron	7030	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Mercury	<1.0	ug/L	03/14/2022	PACE	EPA 7470
Total Dissolved Solids	6120	mg/L	03/09/2022	SJBROWN	SM 2540C
Fluoride	0.46	mg/L	03/05/2022	KCWELLS	EPA 300.0
Chloride	1400	mg/L	03/05/2022	KCWELLS	EPA 300.0
Sulfate	846	mg/L	03/05/2022	KCWELLS	EPA 300.0
Radium 226	0.340	pCi/L	03/23/2022	GEL	EPA 903.1 Mod
Radium 228	2.30	pCi/L	03/31/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.64	pCi/L	03/31/2022	GEL	EPA 903.1 Mod
pH	7.54	SU	02/28/2022	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: 6/7/22

Linda Williams - Supervisor Analytical Services



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SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27203 **Location:** GW Well WAP-14 **Date:** 02/28/2022 **Sample Collector:** BRT/BSB
Loc. Code WAP-14 **Duplicate** **Time:** 13:07

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	58.7	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	46.1	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	947	mg/L	04/07/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Cobalt	1.15	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Antimony	3	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Boron	6890	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Mercury	<1.0	ug/L	03/14/2022	PACE	EPA 7470
Total Dissolved Solids	5139	mg/L	03/07/2022	SJBROWN	SM 2540C
Fluoride	0.55	mg/L	03/05/2022	KCWELLS	EPA 300.0
Chloride	1410	mg/L	03/05/2022	KCWELLS	EPA 300.0
Sulfate	849	mg/L	03/05/2022	KCWELLS	EPA 300.0
Radium 226	1.10	pCi/L	03/23/2022	GEL	EPA 903.1 Mod
Radium 228	2.63	pCi/L	03/31/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.73	pCi/L	03/31/2022	GEL	EPA 903.1 Mod

Comments:

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

Analysis Validated: 

Validated date: 6/7/22

Linda Williams - Supervisor Analytical Services



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SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27204 Location: GW Well WAP-14A Date: 02/28/2022 Sample Collector: BRT/BSB
Loc. Code WAP-14A Time: 12:11

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	6.9	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	90.6	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Boron	5950	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	766	mg/L	04/07/2022	SJHATCHE	EPA 6010D
Cobalt	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lithium	42.0	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Mercury	1.2	ug/L	03/15/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Antimony	<2	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	5020	mg/L	03/09/2022	SJBROWN	SM 2540C
Fluoride	0.15	mg/L	03/05/2022	KCWELLS	EPA 300.0
Chloride	1140	mg/L	03/05/2022	KCWELLS	EPA 300.0
Sulfate	755	mg/L	03/05/2022	KCWELLS	EPA 300.0
Radium 226	1.25	pCi/L	03/23/2022	GEL	EPA 903.1 Mod
Radium 228	1.44	pCi/L	03/31/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.70	pCi/L	03/31/2022	GEL	EPA 903.1 Mod
pH	7.06	SU	02/28/2022	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: 6/6/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27205 **Location:** GW Well WAP-14B **Date:** 02/28/2022 **Sample Collector:** BRT/BSB
Loc. Code WAP-14B **Time:** 15:21

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	14.3	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	145	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Boron	5900	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	605	mg/L	04/07/2022	SJHATCHE	EPA 6010D
Cobalt	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lithium	13.4	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/15/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Antimony	<2	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	4290	mg/L	03/09/2022	SJBROWN	SM 2540C
Fluoride	<0.10	mg/L	03/05/2022	KCWELLS	EPA 300.0
Chloride	1040	mg/L	03/05/2022	KCWELLS	EPA 300.0
Sulfate	669	mg/L	03/05/2022	KCWELLS	EPA 300.0
Radium 226	5.28	pCi/L	03/23/2022	GEL	EPA 903.1 Mod
Radium 228	0.984	pCi/L	03/31/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.26	pCi/L	03/31/2022	GEL	EPA 903.1 Mod
pH	6.92	SU	02/28/2022	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: 6/6/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27206 **Location:** GW Well WAP-14C **Date:** 02/28/2022 **Sample Collector:** BRT/BSB
Loc. Code WAP-14C **Time:** 14:02

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	80.8	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Boron	203	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	135	mg/L	04/07/2022	SJHATCHE	EPA 6010D
Cobalt	1.92	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lithium	13.3	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/15/2022	PACE	EPA 7470
Molybdenum	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Antimony	<2	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	1306	mg/L	03/09/2022	SJBROWN	SM 2540C
Fluoride	0.17	mg/L	03/05/2022	KCWELLS	EPA 300.0
Chloride	285	mg/L	03/05/2022	KCWELLS	EPA 300.0
Sulfate	93.4	mg/L	03/05/2022	KCWELLS	EPA 300.0
Radium 226	1.88	pCi/L	03/31/2022	GEL	EPA 903.1 Mod
Radium 228	2.95	pCi/L	03/31/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.83	pCi/L	03/31/2022	GEL	EPA 903.1 Mod
pH	6.80	SU	02/28/2022	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: 6/6/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27207 **Location:** GW Well WAP-15 **Date:** 02/28/2022 **Sample Collector:** BRT/BSB
Loc. Code WAP-15 **Time:** 10:29

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Barium	323	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Calcium	301	mg/L	04/07/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Antimony	<2	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/25/2022	EUROFINS SAV	EPA 6020B
Boron	3360	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Lithium	20.0	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/14/2022	PACE	EPA 7470
Total Dissolved Solids	2469	mg/L	03/09/2022	SJBROWN	SM 2540C
Fluoride	0.11	mg/L	03/05/2022	KCWELLS	EPA 300.0
Chloride	617	mg/L	03/05/2022	KCWELLS	EPA 300.0
Sulfate	228	mg/L	03/05/2022	KCWELLS	EPA 300.0
Radium 226	2.77	pCi/L	03/23/2022	GEL	EPA 903.1 Mod
Radium 228	3.88	pCi/L	03/31/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.65	pCi/L	03/31/2022	GEL	EPA 903.1 Mod
pH	6.25	SU	02/28/2022	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: 6/7/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF27208 **Location:** GW Well WAP-16 **Date:** 03/01/2022 **Sample Collector:** BRT/BSB
Loc. Code WAP-16 **Time:** 14:37

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/L	05/26/2022	EUROFINS SAV	EPA 6020B
Barium	80.0	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	05/26/2022	EUROFINS SAV	EPA 6020B
Calcium	170	mg/L	04/07/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	05/26/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	05/26/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	05/26/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	05/26/2022	EUROFINS SAV	EPA 6020B
Antimony	<2	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Selenium	<5	ug/L	05/11/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	05/26/2022	EUROFINS SAV	EPA 6020B
Boron	1450	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	04/07/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	03/15/2022	PACE	EPA 7470
Total Dissolved Solids	1140	mg/L	03/09/2022	SJBROWN	SM 2540C
Fluoride	0.20	mg/L	03/05/2022	KCWELLS	EPA 300.0
Chloride	158	mg/L	03/05/2022	KCWELLS	EPA 300.0
Sulfate	283	mg/L	03/05/2022	KCWELLS	EPA 300.0
Radium 226	1.06	pCi/L	03/23/2022	GEL	EPA 903.1 Mod
Radium 228	3.12	pCi/L	03/31/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.18	pCi/L	03/31/2022	GEL	EPA 903.1 Mod
pH	6.71	SU	03/01/2022	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: 6/7/22

Linda Williams - Supervisor Analytical Services



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SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38156 Location: GW Well WAP-1 Date: 07/06/2022 Sample Collector: DEW/BM
Loc. Code WAP-1 Time: 11:37

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	5	ug/l	09/17/2022	EUROFINS SAV	EPA 6020B
Barium	68.0	ug/L	08/24/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Calcium	2.850	mg/l	09/17/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Cobalt	1.41	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Boron	26.0	ug/L	08/26/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/26/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	09/19/2022	EUROFINS SAV	EPA 6010D
Mercury	<0.2	ug/L	07/14/2022	GEL	EPA 7470
Fluoride	<0.10	mg/L	07/11/2022	KCWELLS	EPA 300.0
Chloride	11.8	mg/L	07/11/2022	KCWELLS	EPA 300.0
Sulfate	22.3	mg/L	07/11/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	53.75	mg/L	07/11/2022	AMSOULE	SM 2540C
Radium 226	1.87	pCi/L	08/02/2022	GEL	EPA 903.1 Mod
Radium 228	3.17	pCi/L	08/02/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.04	pCi/L	08/05/2022	GEL	EPA 903.1 Mod
pH	4.59	SU	07/06/2022	DEW/BM	

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: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38190 **Location:** GW Well WBW-1 **Date:** 07/06/2022 **Sample Collector:** DEW/BM
Loc. Code WBW-1 **Time:** 10:23

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	09/20/2022	EUROFINS SAV	EPA 6020B
Barium	44.0	ug/L	08/24/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Calcium	2.700	mg/L	08/24/2022	R&C	EPA 6010D
Cadmium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Cobalt	3.15	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Boron	58.0	ug/L	08/26/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/26/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/26/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/14/2022	GEL	EPA 7470
Fluoride	<0.10	mg/L	07/11/2022	KCWELLS	EPA 300.0
Chloride	10.5	mg/L	07/11/2022	KCWELLS	EPA 300.0
Sulfate	6.94	mg/L	07/11/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	43.75	mg/L	07/11/2022	AMSOULE	SM 2540C
Radium 226	0.596	pCi/L	08/02/2022	GEL	EPA 903.1 Mod
Radium 228	3.79	pCi/L	08/02/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.39	pCi/L	08/05/2022	GEL	EPA 903.1 Mod
pH	4.31	SU	07/15/2022	DEW/BM	

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: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38159 **Location:** GW Well WAP-4 **Date:** 07/18/2022 **Sample Collector:** DEW/BM
Loc. Code WAP-4 **Time:** 15:22

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	09/17/2022	EUROFINS SAV	EPA 6020B
Barium	37.0	ug/L	08/24/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Calcium	46.40	mg/l	09/17/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/17/2022	EUROFINS SAV	EPA 6020B
Boron	120.0	ug/L	08/26/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/26/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	09/19/2022	EUROFINS SAV	EPA 6010D
Mercury	<0.2	ug/L	07/26/2022	GEL	EPA 7470
Fluoride	<0.10	mg/L	07/20/2022	KCWELLS	EPA 300.0
Chloride	6.97	mg/L	07/20/2022	KCWELLS	EPA 300.0
Sulfate	12.2	mg/L	07/20/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	203.8	mg/L	07/22/2022	AMSOULE	SM 2540C
Radium 226	1.03	pCi/L	08/10/2022	GEL	EPA 903.1 Mod
Radium 228	1.26	pCi/L	08/18/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.29	pCi/L	08/18/2022	GEL	EPA 903.1 Mod
pH	6.91	SU	07/18/2022	DEW/BM	

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: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38171 **Location:** GW Well WAP-14 **Date:** 07/20/2022 **Sample Collector:** DEW/DJ
Loc. Code WAP-14 **Time:** 14:12

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	17	ug/l	09/20/2022	EUROFINS SAV	EPA 6020B
Barium	49.0	ug/L	08/24/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Calcium	990.0	mg/L	08/24/2022	R&C	EPA 6010D
Cadmium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Boron	8400.0	ug/L	08/26/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/26/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/26/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/26/2022	GEL	EPA 7470
Fluoride	0.75	mg/L	08/02/2022	KCWELLS	EPA 300.0
Chloride	1450	mg/L	08/02/2022	KCWELLS	EPA 300.0
Sulfate	859	mg/L	08/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	5085	mg/L	07/22/2022	AMSOULE	SM 2540C
Radium 226	0.645	pCi/L	08/10/2022	GEL	EPA 903.1 Mod
Radium 228	2.28	pCi/L	08/18/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.92	pCi/L	08/18/2022	GEL	EPA 903.1 Mod
pH	7.35	SU	07/20/2022	DEW/DJ	

Comments:

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

Analysis Validated: 

Validated date: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38172 **Location:** GW Well WAP-14 **Date:** 07/20/2022 **Sample Collector:** DEW/DJ
Loc. Code WAP-14 **DUP** **Time:** 14:17

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	14	ug/l	09/20/2022	EUROFINS SAV	EPA 6020B
Barium	49.0	ug/L	08/24/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Calcium	890.0	mg/L	08/24/2022	R&C	EPA 6010D
Cadmium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Boron	8500.0	ug/L	08/26/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/26/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/26/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/26/2022	GEL	EPA 7470
Fluoride	0.77	mg/L	08/02/2022	KCWELLS	EPA 300.0
Chloride	1460	mg/L	08/02/2022	KCWELLS	EPA 300.0
Sulfate	860	mg/L	08/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	5090	mg/L	07/22/2022	AMSOULE	SM 2540C
Radium 226	0.831	pCi/L	08/10/2022	GEL	EPA 903.1 Mod
Radium 228	1.23	pCi/L	08/18/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.06	pCi/L	08/18/2022	GEL	EPA 903.1 Mod

Comments:

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

Analysis Validated: 

Validated date: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38173 **Location:** GW Well WAP-14A **Date:** 07/20/2022 **Sample Collector:** DEW/DJ
Loc. Code WAP-14A **Time:** 11:00

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	7	ug/l	09/20/2022	EUROFINS SAV	EPA 6020B
Barium	90.3	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Boron	6200.0	ug/L	08/26/2022	R&C	EPA 6010D
Calcium	930.0	mg/L	08/24/2022	R&C	EPA 6010D
Cadmium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Lithium	38.0	ug/L	08/26/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/26/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/26/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Radium 226	1.58	pCi/L	08/10/2022	GEL	EPA 903.1 Mod
Radium 228	-0.472	pCi/L	08/18/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.58	pCi/L	08/18/2022	GEL	EPA 903.1 Mod
Fluoride	<0.10	mg/L	08/02/2022	KCWELLS	EPA 300.0
Chloride	1130	mg/L	08/02/2022	KCWELLS	EPA 300.0
Sulfate	735	mg/L	08/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	4246	mg/L	07/22/2022	AMSOULE	SM 2540C
pH	7.06	SU	07/20/2022	DEW/DJ	

Comments:

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

Analysis Validated:  Final Validation Date: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38174 **Location:** GW Well WAP-14B **Date:** 07/20/2022 **Sample Collector:** DEW/DJ
Loc. Code WAP-14B **Time:** 12:20

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	6	ug/l	09/20/2022	EUROFINS SAV	EPA 6020B
Barium	159	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Boron	6400.0	ug/L	08/26/2022	R&C	EPA 6010D
Calcium	750.0	mg/L	08/24/2022	R&C	EPA 6010D
Cadmium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Lithium	11.0	ug/L	08/26/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/26/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/26/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Radium 226	2.87	pCi/L	08/10/2022	GEL	EPA 903.1 Mod
Radium 228	2.68	pCi/L	08/18/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.55	pCi/L	08/18/2022	GEL	EPA 903.1 Mod
Fluoride	<0.10	mg/L	08/02/2022	KCWELLS	EPA 300.0
Chloride	905	mg/L	08/02/2022	KCWELLS	EPA 300.0
Sulfate	667	mg/L	08/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	3636	mg/L	07/22/2022	AMSOULE	SM 2540C
pH	6.84	SU	07/20/2022	DEW/DJ	

Comments:

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

Analysis Validated:  Final Validation Date: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38175 **Location:** GW Well WAP-14C **Date:** 07/20/2022 **Sample Collector:** DEW/DJ
Loc. Code WAP-14C **Time:** 13:17

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	09/20/2022	EUROFINS SAV	EPA 6020B
Barium	77.6	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Boron	160.0	ug/L	08/26/2022	R&C	EPA 6010D
Calcium	160.0	mg/L	08/24/2022	R&C	EPA 6010D
Cadmium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Lithium	12.0	ug/L	08/26/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/26/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/26/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Radium 226	2.31	pCi/L	08/10/2022	GEL	EPA 903.1 Mod
Radium 228	0.649	pCi/L	08/18/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.95	pCi/L	08/18/2022	GEL	EPA 903.1 Mod
Fluoride	<0.10	mg/L	08/02/2022	KCWELLS	EPA 300.0
Chloride	280	mg/L	08/05/2022	KCWELLS	EPA 300.0
Sulfate	99.6	mg/L	08/05/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1081	mg/L	07/22/2022	AMSOULE	SM 2540C
pH	7.00	SU	07/20/2022	DEW/DJ	

Comments:

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

Analysis Validated:



Final Validation Date:

10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38176 **Location:** GW Well WAP-15 **Date:** 07/18/2022 **Sample Collector:** DEW/BM
Loc. Code WAP-15 **Time:** 14:30

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	4	ug/l	09/21/2022	EUROFINS SAV	EPA 6020B
Barium	160	ug/L	08/24/2022	R&C	EPA 6010D
Beryllium	0.8	ug/L	09/21/2022	EUROFINS SAV	EPA 6020B
Calcium	53.00	mg/L	08/24/2022	R&C	EPA 6010D
Cadmium	<0.5	ug/L	09/21/2022	EUROFINS SAV	EPA 6020B
Cobalt	1.13	ug/L	09/21/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/21/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/21/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/21/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/21/2022	EUROFINS SAV	EPA 6020B
Boron	500.0	ug/L	08/26/2022	R&C	EPA 6010D
Lithium	19.0	ug/L	08/26/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/26/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/26/2022	GEL	EPA 7470
Fluoride	<0.10	mg/L	07/21/2022	KCWELLS	EPA 300.0
Chloride	130	mg/L	07/21/2022	KCWELLS	EPA 300.0
Sulfate	28.6	mg/L	07/21/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	515.0	mg/L	07/22/2022	COAMESWA	SM 2540C
Radium 226	2.29	pCi/L	08/10/2022	GEL	EPA 903.1 Mod
Radium 228	0.526	pCi/L	08/18/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.82	pCi/L	08/18/2022	GEL	EPA 903.1 Mod
pH	5.30	SU	07/18/2022	DEW/BM	

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: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF38177 **Location:** GW Well WAP-16 **Date:** 07/14/2022 **Sample Collector:** DEW/BM
Loc. Code WAP-16 **Time:** 12:48

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	09/20/2022	EUROFINS SAV	EPA 6020B
Barium	69.0	ug/L	08/24/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Calcium	190.0	mg/L	08/24/2022	R&C	EPA 6010D
Cadmium	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Cobalt	<0.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Lead	<10	ug/L	08/24/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	09/20/2022	EUROFINS SAV	EPA 6020B
Boron	1500.0	ug/L	08/26/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/26/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/26/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	07/26/2022	GEL	EPA 7470
Fluoride	0.12	mg/L	07/21/2022	KCWELLS	EPA 300.0
Chloride	185	mg/L	07/21/2022	KCWELLS	EPA 300.0
Sulfate	293	mg/L	07/21/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1088	mg/L	07/19/2022	AMSOULE	SM 2540C
Radium 226	1.79	pCi/L	08/10/2022	GEL	EPA 903.1 Mod
Radium 228	3.45	pCi/L	08/18/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.25	pCi/L	08/18/2022	GEL	EPA 903.1 Mod
pH	6.70	SU	07/14/2022	DEW/BM	

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: 10/3/22

Linda Williams - Supervisor Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552
Sample # AF47333 **Location:** GWWell WAP-29 **Date:** 10/21/2022 **Sample Collector:** WJKMDG

Loc. Code WAP-29 **Time:** 12:19

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	10/27/2022	EUROFINS SAV	EPA 6020B
Barium	50.6	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Calcium	663.0	mg/l	10/27/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Cobalt	7.08	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Selenium	3.68	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Boron	12800	ug/L	11/04/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	11/03/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/03/2022	SJHATCHE	EPA 6010D
Mercury	<0.200	ug/L	11/22/2022	EUROFINS SAV	EPA 7470
Iron	39100	ug/l	10/27/2022	EUROFINS SAV	EPA 6010D
Total Dissolved Solids	4778	mg/L	10/26/2022	SJBROWN	SM 2540C
Copper	<5	ug/l	10/27/2022	EUROFINS SAV	EPA 6020B
Nickel	<5	ug/l	10/27/2022	EUROFINS SAV	EPA 6020B
Zinc	<20	ug/l	10/27/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:

Validated date: 11/23/22

Linda Williams - Manager Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552
Sample # AF47333 **Location:** GWWell WAP-29 **Date:** 10/21/2022 **Sample Collector:** WJKMDG

Loc. Code WAP-29 **Time:** 12:19

Analysis	Result	Units	Test Date	Analyst	Method
Fluoride	<0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	1110	mg/L	11/05/2022	KCWELLS	EPA 300.0
Sulfate	868	mg/L	11/02/2022	KCWELLS	EPA 300.0
Radium 226	1.74	pCi/L	11/13/2022	GEL	EPA 903.1 Mod
Radium 228	2.87	pCi/L	11/07/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.60	pCi/L	11/16/2022	GEL	EPA 903.1 Mod
pH	5.90	SU	10/20/2022	WJK/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: 11/23/22

Linda Williams - Manager Analytical Services

SANTEE COOPER ANALYTICAL SERVICES
CERTIFICATE OF ANALYSIS
LAB CERTIFICATION #08552

Sample # AF47334 **Location:** GWWell WAP-29 **Date:** 10/21/2022 **Sample Collector:** WJKMDG
Loc. Code WAP-29 **DUP** **Time:** 12:24

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	3.41	ug/l	10/27/2022	EUROFINS SAV	EPA 6020B
Barium	46.7	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Calcium	616.0	mg/l	10/27/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Cobalt	6.83	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Selenium	3.50	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	10/27/2022	EUROFINS SAV	EPA 6020B
Boron	12800	ug/L	11/04/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	11/03/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/03/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	11/10/2022	EUROFINS SAV	EPA 7470
Iron	36500	ug/l	10/27/2022	EUROFINS SAV	EPA 6010D
Fluoride	<0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	1110	mg/L	11/10/2022	KCWELLS	EPA 300.0
Sulfate	859	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	4352	mg/L	10/26/2022	SJBROWN	SM 2540C
Radium 226	2.12	pCi/L	11/13/2022	GEL	EPA 903.1 Mod
Radium 228	2.51	pCi/L	11/07/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.63	pCi/L	11/16/2022	GEL	EPA 903.1 Mod
Copper	<5	ug/l	10/27/2022	EUROFINS SAV	EPA 6020B
Nickel	<5	ug/l	10/27/2022	EUROFINS SAV	EPA 6020B
Zinc	<20	ug/l	10/27/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:

Validated date: 11/21/22

Linda Williams - Manager Analytical Services

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF50607 Location: GW Well WAP-29 Date: 12/06/2022 Sample Collector: WJK/BM

Loc. Code WAP-29 Time: 10:22

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Barium	45.6	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Calcium	673.0	mg/l	12/13/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Cobalt	7.3	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Selenium	3.6	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Boron	12500	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/21/2022	EUROFINS SAV	EPA 7470
Iron	40600	ug/l	12/13/2022	EUROFINS SAV	EPA 6010D
Fluoride	<0.10	mg/L	12/07/2022	KCWELLS	EPA 300.0
Chloride	1068	mg/L	12/07/2022	KCWELLS	EPA 300.0
Sulfate	884	mg/L	12/07/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	4715	mg/L	12/15/2022	SJBROWN	SM 2540C
Radium 226	2.85	pCi/L	12/19/2022	GEL	EPA 903.1 Mod
Radium 228	1.97	pCi/L	12/30/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.82	pCi/L	01/09/2023	GEL	EPA 903.1 Mod
pH	5.96	SU	12/06/2022	MDG	
Copper	<5	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Nickel	<5	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Zinc	<20	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:


Linda Williams - Manager Analytical Services

Validated date:

1/25/23

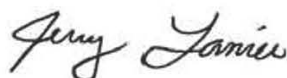
ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-214692-1
Client Project/Site: 125915/JM02.08.G01.1/36500

For:
South Carolina Public Service Authority
Santee Cooper
PO BOX 2946101
Moncks Corner, South Carolina 29461-2901

Attn: Linda Williams



Authorized for release by:
5/27/2022 12:55:58 PM

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

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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.G01.1/36500

Job ID: 680-214692-1

Job ID: 680-214692-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-214692-1

Comments

No additional comments.

Receipt

The samples were received on 4/28/2022 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 was 18.3° C.

Metals

Method 6020B: The post digestion spike % recovery for multiple analytes associated with batch 180-398185 was outside of control limits. The associated sample is: AF27188 (680-214692-2).

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



Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-214692-1	AF27187	Water	02/15/22 12:34	04/28/22 10:30
680-214692-2	AF27188	Water	02/21/22 10:42	04/28/22 10:30
680-214692-3	AF27189	Water	02/21/22 12:05	04/28/22 10:30
680-214692-4	AF27190	Water	02/21/22 13:35	04/28/22 10:30
680-214692-5	AF27191	Water	02/17/22 11:28	04/28/22 10:30
680-214692-6	AF27192	Water	02/17/22 14:45	04/28/22 10:30
680-214692-7	AF27193	Water	02/17/22 10:05	04/28/22 10:30
680-214692-8	AF27194	Water	02/17/22 13:39	04/28/22 10:30
680-214692-9	AF27195	Water	02/22/22 11:15	04/28/22 10:30
680-214692-10	AF27196	Water	02/21/22 14:48	04/28/22 10:30
680-214692-11	AF27197	Water	02/21/22 14:53	04/28/22 10:30
680-214692-12	AF27198	Water	02/17/22 12:23	04/28/22 10:30



Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	TAL SAV
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
3010A	Preparation, Total Metals	SW846	TAL PIT
3010A	Preparation, Total Metals	SW846	TAL SAV

Protocol References:

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

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



Definitions/Glossary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

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.
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/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27187

Lab Sample ID: 680-214692-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.22		3.00		ug/L	1		6020B	Total/NA
Cobalt	1.31		0.500		ug/L	1		6020B	Total/NA

Client Sample ID: AF27188

Lab Sample ID: 680-214692-2

No Detections.

Client Sample ID: AF27189

Lab Sample ID: 680-214692-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.02		0.500		ug/L	1		6020B	Total/NA

Client Sample ID: AF27190

Lab Sample ID: 680-214692-4

No Detections.

Client Sample ID: AF27191

Lab Sample ID: 680-214692-5

No Detections.

Client Sample ID: AF27192

Lab Sample ID: 680-214692-6

No Detections.

Client Sample ID: AF27193

Lab Sample ID: 680-214692-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.31		3.00		ug/L	1		6020B	Total/NA
Cobalt	0.705		0.500		ug/L	1		6020B	Total/NA

Client Sample ID: AF27194

Lab Sample ID: 680-214692-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	220		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27195

Lab Sample ID: 680-214692-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	48.7		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27196

Lab Sample ID: 680-214692-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.41		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27197

Lab Sample ID: 680-214692-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.4		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27198

Lab Sample ID: 680-214692-12

No Detections.

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.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27187

Lab Sample ID: 680-214692-1

Date Collected: 02/15/22 12:34

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.22		3.00		ug/L		05/24/22 16:11	05/25/22 20:07	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:07	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:07	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:07	1
Cobalt	1.31		0.500		ug/L		05/24/22 16:11	05/25/22 20:07	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:07	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 14:40	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 14:40	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27188

Lab Sample ID: 680-214692-2

Date Collected: 02/21/22 10:42

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 20:28	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:28	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:28	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:28	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:28	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:28	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 14:42	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 14:42	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27189

Lab Sample ID: 680-214692-3

Date Collected: 02/21/22 12:05

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 20:30	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:30	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:30	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:30	1
Cobalt	1.02		0.500		ug/L		05/24/22 16:11	05/25/22 20:30	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:30	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 15:25	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 15:25	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27190

Lab Sample ID: 680-214692-4

Date Collected: 02/21/22 13:35

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 20:33	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:33	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:33	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:33	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:33	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:33	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 15:33	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 15:33	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27191

Lab Sample ID: 680-214692-5

Date Collected: 02/17/22 11:28

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 20:10	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:10	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:10	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:10	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 15:35	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 15:35	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27192

Lab Sample ID: 680-214692-6

Date Collected: 02/17/22 14:45

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 20:12	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:12	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:12	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:12	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 15:38	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 15:38	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27193

Lab Sample ID: 680-214692-7

Date Collected: 02/17/22 10:05

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.31		3.00		ug/L		05/24/22 16:11	05/25/22 20:20	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:20	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:20	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:20	1
Cobalt	0.705		0.500		ug/L		05/24/22 16:11	05/25/22 20:20	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:20	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 15:41	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 15:41	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27194

Lab Sample ID: 680-214692-8

Date Collected: 02/17/22 13:39

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	220		3.00		ug/L		05/24/22 16:11	05/25/22 20:23	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:23	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:23	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:23	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 15:43	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 15:43	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27195

Lab Sample ID: 680-214692-9

Date Collected: 02/22/22 11:15

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	48.7		3.00		ug/L		05/24/22 16:11	05/25/22 20:35	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:35	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:35	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:35	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:35	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:35	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 15:54	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 15:54	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27196

Lab Sample ID: 680-214692-10

Date Collected: 02/21/22 14:48

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.41		3.00		ug/L		05/24/22 16:11	05/25/22 20:38	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:38	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:38	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:38	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:38	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:38	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 16:04	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 16:04	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27197

Lab Sample ID: 680-214692-11

Date Collected: 02/21/22 14:53

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.4		3.00		ug/L		05/24/22 16:11	05/25/22 20:41	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:41	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:41	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:41	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:41	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:41	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 16:15	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 16:15	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27198

Lab Sample ID: 680-214692-12

Date Collected: 02/17/22 12:23

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 20:25	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:25	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:25	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:25	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 16:26	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 16:26	1

QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-722485/1-A
 Matrix: Water
 Analysis Batch: 722803

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 722485

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 19:49	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 19:49	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 19:49	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 19:49	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 19:49	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 19:49	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 19:49	1

Lab Sample ID: LCS 680-722485/2-A
 Matrix: Water
 Analysis Batch: 722803

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 722485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	50.0	49.07		ug/L		98	80 - 120
Cadmium	50.0	49.44		ug/L		99	80 - 120
Chromium	100	96.03		ug/L		96	80 - 120
Cobalt	50.0	51.43		ug/L		103	80 - 120
Lead	505	490.3		ug/L		97	80 - 120
Thallium	40.0	39.07		ug/L		98	80 - 120

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

Lab Sample ID: MB 180-397966/1-A
 Matrix: Water
 Analysis Batch: 398185

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 397966

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Selenium	5.00	U	5.00		ug/L		05/06/22 16:08	05/07/22 14:35	1
Antimony	2.00	U	2.00		ug/L		05/06/22 16:08	05/07/22 14:35	1

Lab Sample ID: LCS 180-397966/2-A
 Matrix: Water
 Analysis Batch: 398185

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 397966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	250	247.2		ug/L		99	80 - 120

Lab Sample ID: 680-214692-2 MS
 Matrix: Water
 Analysis Batch: 398185

Client Sample ID: AF27188
 Prep Type: Total/NA
 Prep Batch: 397966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	2.00	U	250	247.5		ug/L		99	75 - 125

QC Sample Results

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

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

Lab Sample ID: 680-214692-2 MSD

Matrix: Water

Analysis Batch: 398185

Client Sample ID: AF27188

Prep Type: Total/NA

Prep Batch: 397966

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Selenium	5.00	U	1000	908.6		ug/L		91	75 - 125	5	20
Antimony	2.00	U	250	246.6		ug/L		99	75 - 125	0	20

QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Metals

Prep Batch: 397966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214692-1	AF27187	Total/NA	Water	3010A	
680-214692-2	AF27188	Total/NA	Water	3010A	
680-214692-3	AF27189	Total/NA	Water	3010A	
680-214692-4	AF27190	Total/NA	Water	3010A	
680-214692-5	AF27191	Total/NA	Water	3010A	
680-214692-6	AF27192	Total/NA	Water	3010A	
680-214692-7	AF27193	Total/NA	Water	3010A	
680-214692-8	AF27194	Total/NA	Water	3010A	
680-214692-9	AF27195	Total/NA	Water	3010A	
680-214692-10	AF27196	Total/NA	Water	3010A	
680-214692-11	AF27197	Total/NA	Water	3010A	
680-214692-12	AF27198	Total/NA	Water	3010A	
MB 180-397966/1-A	Method Blank	Total/NA	Water	3010A	
LCS 180-397966/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-214692-2 MS	AF27188	Total/NA	Water	3010A	
680-214692-2 MSD	AF27188	Total/NA	Water	3010A	

Analysis Batch: 398185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214692-1	AF27187	Total/NA	Water	EPA 6020B	397966
680-214692-2	AF27188	Total/NA	Water	EPA 6020B	397966
680-214692-3	AF27189	Total/NA	Water	EPA 6020B	397966
680-214692-4	AF27190	Total/NA	Water	EPA 6020B	397966
680-214692-5	AF27191	Total/NA	Water	EPA 6020B	397966
680-214692-6	AF27192	Total/NA	Water	EPA 6020B	397966
680-214692-7	AF27193	Total/NA	Water	EPA 6020B	397966
680-214692-8	AF27194	Total/NA	Water	EPA 6020B	397966
680-214692-9	AF27195	Total/NA	Water	EPA 6020B	397966
680-214692-10	AF27196	Total/NA	Water	EPA 6020B	397966
680-214692-11	AF27197	Total/NA	Water	EPA 6020B	397966
680-214692-12	AF27198	Total/NA	Water	EPA 6020B	397966
MB 180-397966/1-A	Method Blank	Total/NA	Water	EPA 6020B	397966
LCS 180-397966/2-A	Lab Control Sample	Total/NA	Water	EPA 6020B	397966
680-214692-2 MS	AF27188	Total/NA	Water	EPA 6020B	397966
680-214692-2 MSD	AF27188	Total/NA	Water	EPA 6020B	397966

Prep Batch: 722485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214692-1	AF27187	Total/NA	Water	3010A	
680-214692-2	AF27188	Total/NA	Water	3010A	
680-214692-3	AF27189	Total/NA	Water	3010A	
680-214692-4	AF27190	Total/NA	Water	3010A	
680-214692-5	AF27191	Total/NA	Water	3010A	
680-214692-6	AF27192	Total/NA	Water	3010A	
680-214692-7	AF27193	Total/NA	Water	3010A	
680-214692-8	AF27194	Total/NA	Water	3010A	
680-214692-9	AF27195	Total/NA	Water	3010A	
680-214692-10	AF27196	Total/NA	Water	3010A	
680-214692-11	AF27197	Total/NA	Water	3010A	
680-214692-12	AF27198	Total/NA	Water	3010A	
MB 680-722485/1-A	Method Blank	Total/NA	Water	3010A	

QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Metals (Continued)

Prep Batch: 722485 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-722485/2-A	Lab Control Sample	Total/NA	Water	3010A	

Analysis Batch: 722803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214692-1	AF27187	Total/NA	Water	6020B	722485
680-214692-2	AF27188	Total/NA	Water	6020B	722485
680-214692-3	AF27189	Total/NA	Water	6020B	722485
680-214692-4	AF27190	Total/NA	Water	6020B	722485
680-214692-5	AF27191	Total/NA	Water	6020B	722485
680-214692-6	AF27192	Total/NA	Water	6020B	722485
680-214692-7	AF27193	Total/NA	Water	6020B	722485
680-214692-8	AF27194	Total/NA	Water	6020B	722485
680-214692-9	AF27195	Total/NA	Water	6020B	722485
680-214692-10	AF27196	Total/NA	Water	6020B	722485
680-214692-11	AF27197	Total/NA	Water	6020B	722485
680-214692-12	AF27198	Total/NA	Water	6020B	722485
MB 680-722485/1-A	Method Blank	Total/NA	Water	6020B	722485
LCS 680-722485/2-A	Lab Control Sample	Total/NA	Water	6020B	722485



Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27187

Lab Sample ID: 680-214692-1

Date Collected: 02/15/22 12:34

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:07	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 14:40	RSK	TAL PIT

Client Sample ID: AF27188

Lab Sample ID: 680-214692-2

Date Collected: 02/21/22 10:42

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:28	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 14:42	RSK	TAL PIT

Client Sample ID: AF27189

Lab Sample ID: 680-214692-3

Date Collected: 02/21/22 12:05

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:30	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 15:25	RSK	TAL PIT

Client Sample ID: AF27190

Lab Sample ID: 680-214692-4

Date Collected: 02/21/22 13:35

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:33	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 15:33	RSK	TAL PIT

Client Sample ID: AF27191

Lab Sample ID: 680-214692-5

Date Collected: 02/17/22 11:28

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:10	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 15:35	RSK	TAL PIT

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27192

Lab Sample ID: 680-214692-6

Date Collected: 02/17/22 14:45

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:12	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 15:38	RSK	TAL PIT

Client Sample ID: AF27193

Lab Sample ID: 680-214692-7

Date Collected: 02/17/22 10:05

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:20	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 15:41	RSK	TAL PIT

Client Sample ID: AF27194

Lab Sample ID: 680-214692-8

Date Collected: 02/17/22 13:39

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:23	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 15:43	RSK	TAL PIT

Client Sample ID: AF27195

Lab Sample ID: 680-214692-9

Date Collected: 02/22/22 11:15

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:35	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 15:54	RSK	TAL PIT

Client Sample ID: AF27196

Lab Sample ID: 680-214692-10

Date Collected: 02/21/22 14:48

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:38	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 16:04	RSK	TAL PIT

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214692-1

Client Sample ID: AF27197

Lab Sample ID: 680-214692-11

Date Collected: 02/21/22 14:53

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:41	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 16:15	RSK	TAL PIT

Client Sample ID: AF27198

Lab Sample ID: 680-214692-12

Date Collected: 02/17/22 12:23

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:25	BJB	TAL SAV
Total/NA	Prep	3010A			397966	05/06/22 16:08	KFS	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398185	05/07/22 16:26	RSK	TAL PIT

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 125915 / JM#2.08.601-1 / 36500 Rerun request for any flagged QC Yes No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments	As, Cd, Cr, Pb Se, Ti, Sb	Be, Co
AF27187	WAP-1	2/15/22	1234	ERT BSB	1	P	G	GW	2	METHOD 6020	X	X
88	WAP-2	2/21/22	1042							- PLEASE SEND TO ST LOUIS FOR Se TO MEET RL		X
89	-3		1205									X
90	-4		1335									X
91	-5	2/17/22	1128									
92	-6		1445									
93	-7		1005									X
94	-8		1339									
95	-9	2/22/22	1115									X
96	-10	2/21/22	1448									X



Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35594	4/21/22	1500	<i>JA</i>	TA	4/28/22	1130

Sample Receiving (Internal Use Only)
TEMP (°C): 18.9 Initial: 18.3
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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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"/> Sulfates <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Trace Oil Qual <input type="checkbox"/> Volatiles <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dynamic Viscosity <input type="checkbox"/> DWT <input type="checkbox"/> Dissolved Oils <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Moisture oil <input type="checkbox"/> Gas Chromatography <input type="checkbox"/> Pb <input type="checkbox"/> TA <input type="checkbox"/> GOR
--	--	--	--	---	--	--

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-llimestone, 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 / JMD2.08.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 • Method # • Reporting limit • Misc. sample info • Any other notes	AS, Cd, Cr, Pb S, Ti, Sb	Be, Co
AF27197	WAP-10 DUF	2/21/22	1453	BRT ESSB	1	P	G	GW	2	METHOD 6020	X	X
98	WAP-11	2/17/22	1223	↓	↓	↓	↓	↓	↓	SEE SHEET FOR RLs	X	X
										SEND A SAMPLE TO ST LOUIS FOR SC TO MEET RL		

Relinquished by:	Employee#	Date	Time	Received by:	Employee#	Date	Time
<i>SJBrown</i>	35594	4/21/22	150	<i>JL</i>	71	4/28/22	1030

Sample Receiving (Internal Use Only)
TEMP (°C): 18.9/18.3 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	Nutrients <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	MISC. <input type="checkbox"/> BTEX <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dynamic Viscosity <input type="checkbox"/> FT <input type="checkbox"/> Electrical Resist. <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"/> DORR
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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)



Client Information (Sub Contract Lab)

Client Contact: **Lanier, Jerry A** Lab P/N: **Lanier, Jerry A** Carrier/Tracking No(s):
 Shipping/Receiving: **Jerry.Lanier@eurofins.com** E-Mail: **Jerry.Lanier@eurofins.com** State of Origin: **South Carolina**
 Eurofins Environment Testing Southeast, Accreditations Required (See note): **NELAP - Florida State - South Carolina, State Program**

Address: **5102 LaRoche Avenue** Due Date Requested: **5/4/2022** Job #: **680-214692-1**
 City: **Savannah** TAT Requested (days): **7** Analysis Requested
 State, Zip: **GA, 31404** PO #: **W/O #**
 Phone: **912-354-7868(Tel) 912-352-0165(Fax)** Project #: **68008190**
 Email: **W/O #** SOW#: **SSOW#**

Project Name: **125915JLM02_08 G01 1/36500**
 Site: **SSOW#**

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (Water, Soil, Overstool, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
AF27187 (680-214692-1)	2/15/22	12 34	Water	Water	X	6020B/3010A 7 ICPMS Metals	1	
AF27188 (680-214692-2)	2/21/22	10 42	Water	Water	X		1	
AF27189 (680-214692-3)	2/21/22	12 05	Water	Water	X		1	
AF27190 (680-214692-4)	2/21/22	13 35	Water	Water	X		1	
AF27191 (680-214692-5)	2/17/22	11 28	Water	Water	X		1	
AF27192 (680-214692-6)	2/17/22	14 45	Water	Water	X		1	
AF27193 (680-214692-7)	2/17/22	10 05	Water	Water	X		1	
AF27194 (680-214692-8)	2/17/22	13 39	Water	Water	X		1	
AF27195 (680-214692-9)	2/22/22	11 15	Water	Water	X		1	

Note: Since laboratory accreditations are subject to change Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification

Deliverable Requested: **I, II, III, IV, Other (specify)** Primary Deliverable Rank: **1**

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: **[Signature]** Date/Time: **5/23/22 17:00** Company: **[Signature]**

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

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

Custody Seals Intact: **Δ Yes Δ No** Custody Seal No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/OC Requirements

Method of Shipment: _____

Received by: **[Signature]** Date/Time: **5/24 10:30** Company: _____

Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: **16.2 / 15.8**

Eurofins Pittsburgh
 301 Alpha Drive RIDC Park
 Pittsburgh PA 15238
 Phone 412-963-7058 Fax: 412-963-2468

Chain of Custody Record



Client Information (Sub Contract Lab) Sampler: Lab Pkt. Carrier Tracking No(s):
 Client Contact: Shipping/Receiving Phone: Lamer Jerry A
 Eurofins Environment Testing Southeast, Jerry Lamer@et.eurofins.com State of Origin: South Carolina
 Address: 5102 LaRoche Avenue Due Date Requested: 5/4/2022
 City: Savannah TAT Requested (days):
 State, Zip: GA, 31404
 PO #: 912-354-7898(Tel) 912-352-0165(Fax)
 Email: IWO #:
 Project Name: 12591SUM02 08 G01 1/36500 Project #: 68008190
 Site: SSGW#:

Accreditations Required (See note): NELAP - Florida State - South Carolina State Program
 Analysis Requested
 COC No: 180-462144-2
 Page: Page 2 of 2
 Job #: 680-214692-1
 Preservation Codes:
 A - HCl M - Hexane
 B - NaOH N - None
 C - Zn Acetate O - AsNaO2
 D - Nitric Acid P - Na2O4S
 E - NaHSO4 Q - Na2SO3
 F - MeOH R - Na2S2O3
 G - Anchlor S - H2SO4
 H - Ascorbic Acid T - TSP Dodecahydrate
 I - Ice U - Acetone
 J - D) Water V - MCAA
 K - EDTA W - pH 4.5
 L - EDA Y - Trizma
 Z - other (specify)
 Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=Water, S=Soil, O=Organic, A=Al)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note
AF27196 (680-214692-10)	2/21/22	14:48	Eastern	Water	X		1	
AF27197 (680-214692-11)	2/21/22	14:53	Eastern	Water	X		1	
AF27198 (680-214692-12)	2/17/22	12:23	Eastern	Water	X		1	

Note: Since laboratory accreditations are subject to change Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh

Possible Hazard Identification
 Unconfirmed
 Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 1
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For Months

Empty Kit Relinquished by: Date: Time: Method of Shipment:
 Relinquished by: *[Signature]* Date/Time: *5/23/22 17:00* Company: *ASTRA* Received by: *[Signature]* Date/Time: *5/21 11:30* Company:
 Relinquished by: Date/Time: Company: Received by: Date/Time: Company:
 Relinquished by: Date/Time: Company: Received by: Date/Time: Company:

Custody Seals Intact: Yes No Custody Seal No: Cooler Temperature(s) °C and Other Remarks: *16.54 / 15.8*
 Ver: 06/08/2021

Don't let rain affect your

TestAmerica

RT98 10:30 2941 05.03

THE LEADER IN ENVIRONMENTAL

Part # 158459-42



680-214692 Wayoh

ORIGIN ID:SAVA (612) 354-7656
SHIPPING
EUROFINS/TESTAMERICA
5102 LA ROUCHE AVE

SAVANNAH, GA 31404
UNITED STATES US

SHIP DATE: 05/23/22
ACTING TO: 16.00 LB. (4.54 KG)
CNO: 0601261/CAFES511

BILL SENDER

TO SHIPPING/RECEIVING

EUROFINS ENVIRONMENT TESTING-NORTHE
301 ALPHA DRIVE
RIDC PARK

PITTSBURGH PA 15238

(412) 868-7058 REF: 668C-135638
PO-YFB

UNCORRECTED temp 19.0 °C

Thermometer ID: N02e

CF: CF Initials MJC

PT-WI-SR-001 effective 1/18/18

AN UNCORRECTED TEMPERATURE

16

TUE - 03 MAY 10:30A
PRIORITY OVERNIGHT

IBAV (0201) 1328 9414 2941

XN AGCA

15238
PA-US
PIT



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

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-214692-1

Login Number: 214692

List Number: 1

Creator: Sims, Robert D

List Source: Eurofins Savannah

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

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-214692-1

Login Number: 214692

List Number: 2

Creator: Watson, Debbie

List Source: Eurofins Pittsburgh

List Creation: 05/03/22 05:29 PM

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?	N/A	
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/JM02.08.G01.1/36500

Job ID: 680-214692-1

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 Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
South Carolina	State	89014	05-19-22

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

March 17, 2022

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

RE: Project: 121567/JM02.09.G01/36500
Pace Project No.: 92591496

Dear Sherri Brown:

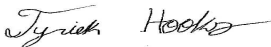
Enclosed are the analytical results for sample(s) received by the laboratory on March 04, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville

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

Sincerely,



Tyriek Hooks
tyriek.hooks@pacelabs.com
(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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

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

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE ANALYTE COUNT

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92591496001	AF27221	EPA 7470A	DBB1	1	PASI-A
92591496002	AF27187	EPA 7470A	DBB1	1	PASI-A
92591496003	AF27222	EPA 7470A	DBB1	1	PASI-A
92591496004	AF27193	EPA 7470A	DBB1	1	PASI-A
92591496005	AF27188	EPA 7470A	DBB1	1	PASI-A
92591496006	AF27189	EPA 7470A	DBB1	1	PASI-A
92591496007	AF27190	EPA 7470A	DBB1	1	PASI-A
92591496008	AF27196	EPA 7470A	DBB1	1	PASI-A
92591496009	AF27232	EPA 7470A	DBB1	1	PASI-A
92591496010	AF27233	EPA 7470A	DBB1	1	PASI-A
92591496011	AF27209	EPA 7470A	DBB1	1	PASI-A
92591496012	AF27210	EPA 7470A	DBB1	1	PASI-A
92591496013	AF27220	EPA 7470A	DBB1	1	PASI-A
92591496014	AF27207	EPA 7470A	DBB1	1	PASI-A
92591496015	AF27202	EPA 7470A	DBB1	1	PASI-A
92591496016	AF27203	EPA 7470A	DBB1	1	PASI-A
92591496017	AF27217	EPA 7470A	DBB1	1	PASI-A
92591496018	AF27195	EPA 7470A	DBB1	1	PASI-A
92591496019	AF27214	EPA 7470A	DBB1	1	PASI-A
92591496020	AF27212	EPA 7470A	DBB1	1	PASI-A
92591496021	AF27211	EPA 7470A	DBB1	1	PASI-A
92591496022	AF27229	EPA 7470A	DBB1	1	PASI-A
92591496023	AF27230	EPA 7470A	DBB1	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27221	Lab ID: 92591496001	Collected: 02/15/22 11:24	Received: 03/04/22 10:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:17	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27187	Lab ID: 92591496002	Collected: 02/15/22 12:34	Received: 03/04/22 10:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:23	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27222	Lab ID: 92591496003	Collected: 02/16/22 13:46	Received: 03/04/22 10:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:29	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27193		Lab ID: 92591496004	Collected: 02/17/22 10:05	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:31	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27188	Lab ID: 92591496005	Collected: 02/21/22 10:42	Received: 03/04/22 10:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:33	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27189		Lab ID: 92591496006	Collected: 02/21/22 12:05	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:36	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27190		Lab ID: 92591496007	Collected: 02/21/22 13:35	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:38	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27196		Lab ID: 92591496008	Collected: 02/21/22 14:48	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:40	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27232	Lab ID: 92591496009	Collected: 02/24/22 11:44	Received: 03/04/22 10:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:42	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27233	Lab ID: 92591496010	Collected: 02/24/22 11:49	Received: 03/04/22 10:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:44	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27209		Lab ID: 92591496011	Collected: 02/24/22 13:37	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:46	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27210		Lab ID: 92591496012	Collected: 02/24/22 13:42	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:48	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27220		Lab ID: 92591496013	Collected: 02/24/22 15:04	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:54	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27207		Lab ID: 92591496014	Collected: 02/28/22 10:29	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 13:56	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: AF27202 Lab ID: 92591496015 Collected: 02/28/22 13:02 Received: 03/04/22 10:45 Matrix: Water								
7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	1.0	1	03/11/22 16:00	03/14/22 13:59	7439-97-6	D3

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27203		Lab ID: 92591496016	Collected: 02/28/22 13:07	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	1.0	1	03/11/22 16:00	03/14/22 14:01	7439-97-6	D3

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: AF27217								
Lab ID: 92591496017								
Collected: 02/22/22 10:18 Received: 03/04/22 10:45 Matrix: Water								
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 14:03	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27195		Lab ID: 92591496018	Collected: 02/22/22 11:15	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 14:05	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27214		Lab ID: 92591496019	Collected: 02/22/22 12:04	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 14:07	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27212		Lab ID: 92591496020	Collected: 02/22/22 15:14	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/14/22 14:09	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27211		Lab ID: 92591496021	Collected: 02/23/22 12:18	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/17/22 10:49	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: AF27229 Lab ID: 92591496022 Collected: 02/24/22 10:27 Received: 03/04/22 10:45 Matrix: Water								
7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/17/22 10:55	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Sample: AF27230		Lab ID: 92591496023	Collected: 02/24/22 10:33	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/17/22 10:57	7439-97-6	

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QUALITY CONTROL DATA

Project: 121567/JM02.09.G01/36500
Pace Project No.: 92591496

QC Batch:	683594	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92591496001, 92591496002, 92591496003, 92591496004, 92591496005, 92591496006, 92591496007, 92591496008, 92591496009, 92591496010, 92591496011, 92591496012, 92591496013, 92591496014, 92591496015, 92591496016, 92591496017, 92591496018, 92591496019, 92591496020

METHOD BLANK: 3575639 Matrix: Water

Associated Lab Samples: 92591496001, 92591496002, 92591496003, 92591496004, 92591496005, 92591496006, 92591496007, 92591496008, 92591496009, 92591496010, 92591496011, 92591496012, 92591496013, 92591496014, 92591496015, 92591496016, 92591496017, 92591496018, 92591496019, 92591496020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/14/22 13:13	

LABORATORY CONTROL SAMPLE: 3575640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3575641 3575642

Parameter	Units	92591496001 Result	MS Spike Conc.		MSD Spike Conc.		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
			MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Mercury	ug/L	ND	2.5	2.5	2.3	2.5	92	98	75-125	7	

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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QUALITY CONTROL DATA

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

QC Batch: 683595	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92591496021, 92591496022, 92591496023

METHOD BLANK: 3575649 Matrix: Water

Associated Lab Samples: 92591496021, 92591496022, 92591496023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/17/22 10:41	

LABORATORY CONTROL SAMPLE: 3575650

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3575651 3575652

Parameter	Units	92591496021		3575651		3575652		% Rec Limits	RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.			
Mercury	ug/L	ND	2.5	2.5	2.4	2.3	97	89	75-125	8

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QUALIFIERS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE


Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591496

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92591496001	AF27221	EPA 7470A	683594	EPA 7470A	684405
92591496002	AF27187	EPA 7470A	683594	EPA 7470A	684405
92591496003	AF27222	EPA 7470A	683594	EPA 7470A	684405
92591496004	AF27193	EPA 7470A	683594	EPA 7470A	684405
92591496005	AF27188	EPA 7470A	683594	EPA 7470A	684405
92591496006	AF27189	EPA 7470A	683594	EPA 7470A	684405
92591496007	AF27190	EPA 7470A	683594	EPA 7470A	684405
92591496008	AF27196	EPA 7470A	683594	EPA 7470A	684405
92591496009	AF27232	EPA 7470A	683594	EPA 7470A	684405
92591496010	AF27233	EPA 7470A	683594	EPA 7470A	684405
92591496011	AF27209	EPA 7470A	683594	EPA 7470A	684405
92591496012	AF27210	EPA 7470A	683594	EPA 7470A	684405
92591496013	AF27220	EPA 7470A	683594	EPA 7470A	684405
92591496014	AF27207	EPA 7470A	683594	EPA 7470A	684405
92591496015	AF27202	EPA 7470A	683594	EPA 7470A	684405
92591496016	AF27203	EPA 7470A	683594	EPA 7470A	684405
92591496017	AF27217	EPA 7470A	683594	EPA 7470A	684405
92591496018	AF27195	EPA 7470A	683594	EPA 7470A	684405
92591496019	AF27214	EPA 7470A	683594	EPA 7470A	684405
92591496020	AF27212	EPA 7470A	683594	EPA 7470A	684405
92591496021	AF27211	EPA 7470A	683595	EPA 7470A	684420
92591496022	AF27229	EPA 7470A	683595	EPA 7470A	684420
92591496023	AF27230	EPA 7470A	683595	EPA 7470A	684420

REPORT OF LABORATORY ANALYSIS

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

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: Santee Cooper

Project #: **WO# : 92591496**

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 3-4-22 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) 0

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>			
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

Samples missing: 10 Dup, WAP-26, WAP-23, WAP-22, and WLF-A2-2.

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, Collform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

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

Project **WO# : 92591496**

PM: TIH

Due Date: 03/18/22

CLIENT : 97-SanteeCoo

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3S-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WG7U-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG5T-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)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted:	Time preservation adjusted	Amount of Preservative added	Lot #

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



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:
Paco Carolinas Quality Office

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

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BO15 (water) DOC, L/Hg

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

Project **WO# : 92591496**

PM: TIH

Due Date: 03/18/22

CLIENT: 97-SanteeCoo

Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP43-125 mL Plastic Unpreserved (N/A) (Cl-)													
BP3U-250 mL Plastic Unpreserved (N/A)													
SP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)													
BP3N-250 mL Plastic HNO3 (pH < 2)													
BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)													
BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)													
WGFU-wide-mouthed Glass Jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (Cl-)													
AG1H-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (Cl-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
AG3A(DG3A)-250 mL Amber (NH4Cl) (N/A) (Cl-)													
DG9H-40 mL VOA HCl (N/A)													
VGST-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)-SOB5 kit (N/A)													
V/GK (3 vials per kit)-VPH/Gas kit (N/A)													
SPST-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)													

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:

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

Project

WO#: 92591496

PM: TIH

Due Date: 03/18/22

CLIENT: 97-SanteeCoo

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/B015 (water) DOC, LLHg

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

Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
	BP4U-225 mL Plastic Unpreserved (N/A) (Cl-)												
	BP3U-250 mL Plastic Unpreserved (N/A)												
	BP2U-500 mL Plastic Unpreserved (N/A)												
	BP1U-1 liter Plastic Unpreserved (N/A)												
	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)												
	BP3N-250 mL plastic HNO3 (pH < 2)												
	BP4Z-105 mL Plastic Zn Acetate & NaOH (> 9)												
	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)												
	WGFL-1/2 liter spouted Glass Jar Unpreserved												
	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)												
	AG1H-1 liter Amber HCl (pH < 2)												
	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)												
	AG1S-1 liter Amber H2SO4 (pH < 2)												
	AG3S-250 mL Amber H2SO4 (pH < 2)												
	AG3A(DG3A)-250 mL Amber NH4Cl (N/A) (Cl-)												
	DG9H-40 mL VOA HCl (N/A)												
	YG9T-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)												
	VJGK (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)												
	AG0U-100 mL Amber Unpreserved vials (N/A)												
	YSGU-20 mL Schottillation vials (N/A)												
	DG9U-40 mL Amber Unpreserved vials (N/A)												

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).

Chain of Custody



Customer Email/Report Recipient: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LCWILLIA @santeecooper.com _____ / _____ / _____ 121567 / JM02.09.G01 / 36500 Yes No

Analysis Group

Labwork ID # (Internal use only)	Sample Location/Description	Collection Date	Collection Time	Sample Collector	Total # of Samples	Sample Type (See Classifications)	Container (See Comments)	Preservative (See Comments)	Method	Reporting Unit	Misc. Sample Info	Comments
AF21221	WBW-1	2/15/22	1124	BSB/BRT	1	P	G	GW	2	METHOD 7470	01	X
187	WAP-1	1	1234								02	
AF21222	WBW-A1-1	2/16/22	1346								03	
193	WAP-1	2/17/22	1005								04	
188	WAP-2	2/21/22	1042								05	
189	-3		1205								06	
190	-4		1335								07	
196	-10		1448								08	
197	-10 DUP		1453									

TEMPERATURE	TEMPERATURE	DATE	TIME	RECEIVED BY	EMPLOYER	INITIALS
35594	3/3/22	1500	AR/BUCKER/PACE	AVL	3-4-22	1045

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"/> Arsenic	<input type="checkbox"/> Barium	<input type="checkbox"/> Bismuth	<input type="checkbox"/> BTEX	<input type="checkbox"/> Chloride	<input type="checkbox"/> Cyanide
<input type="checkbox"/> Cadmium	<input type="checkbox"/> Calcium	<input type="checkbox"/> Cobalt	<input type="checkbox"/> Hexachlorobenzene	<input type="checkbox"/> Fluoride	<input type="checkbox"/> Dissolved Solids
<input type="checkbox"/> Chromium	<input type="checkbox"/> Chloride	<input type="checkbox"/> Copper	<input type="checkbox"/> Heptachlorocyclopentadiene	<input type="checkbox"/> Hardness	<input type="checkbox"/> Iron
<input type="checkbox"/> Lead	<input type="checkbox"/> Chloride	<input type="checkbox"/> Lead	<input type="checkbox"/> Heptachloroepoxide	<input type="checkbox"/> Mercury	<input type="checkbox"/> Manganese
<input type="checkbox"/> Manganese	<input type="checkbox"/> Chloride	<input type="checkbox"/> Magnesium	<input type="checkbox"/> Dieldrin	<input type="checkbox"/> Nitrate	<input type="checkbox"/> Nickel
<input type="checkbox"/> Mercury	<input type="checkbox"/> Chloride	<input type="checkbox"/> Molybdenum	<input type="checkbox"/> Endrin	<input type="checkbox"/> Nitrite	<input type="checkbox"/> Phosphate
<input type="checkbox"/> Nickel	<input type="checkbox"/> Chloride	<input type="checkbox"/> Nickel	<input type="checkbox"/> DDT	<input type="checkbox"/> Sulfate	<input type="checkbox"/> Silica
<input type="checkbox"/> Nitrate	<input type="checkbox"/> Chloride	<input type="checkbox"/> Nitrate	<input type="checkbox"/> DDE	<input type="checkbox"/> Total Solids	<input type="checkbox"/> Zinc
<input type="checkbox"/> Nitrite	<input type="checkbox"/> Chloride	<input type="checkbox"/> Nitrite	<input type="checkbox"/> Dieldrin	<input type="checkbox"/> Total Suspended Solids	
<input type="checkbox"/> Phosphate	<input type="checkbox"/> Chloride	<input type="checkbox"/> Phosphate	<input type="checkbox"/> Dieldrin	<input type="checkbox"/> Total Dissolved Solids	
<input type="checkbox"/> Silica	<input type="checkbox"/> Chloride	<input type="checkbox"/> Silica	<input type="checkbox"/> Dieldrin	<input type="checkbox"/> Total Hardness	
<input type="checkbox"/> Zinc	<input type="checkbox"/> Chloride	<input type="checkbox"/> Zinc	<input type="checkbox"/> Dieldrin	<input type="checkbox"/> Total Alkalinity	

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)

Chain of Custody



Customer Email/Report Recipient: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LCWILLIA @santecooper.com _____ / _____ / _____ Yes No

Analysis Group

Labworks ID # (Internal Use Only)	Sample Location/ Description	Collection Date	Sample Location	Sample Collected	Matrix	Preservative Code	Matrix Code	Preservative Code	Matrix Code	Comments Method # Reporting Unit Misc. Sample Info Any other notes	Qty	
AF27232	WLF-A2-6	2/24/22	1144	BRT/SSB	I	P	G	GW	2	7470	009	X
33	↓ 6 DUP		1149								010	
209	WAP-17		1337								011	
210	↓ 17 DUP		1342								012	
219	WAP-26		1459									
220	↓ 26 DUP		1504								013	
207	WAP-15	2/28/22	1029								014	
202	↓ 14		1302								015	
203	↓ 14 DUP		1207								016	

Signature	Date	Time	Received by	Temp (C)	Initials
<i>J. Rucker</i>	2/23/22	1500	<i>PACE AVL</i>	3-4-22	1095

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

MISC	Matrix	Preservative
DBPX		
Naphthalene		
THM/HAA		
DOC		
Oil/Grease		
PCB		
Formaldehyde		
Disinfection By-Products		
Rad 226		
Rad 228		
PCB		

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=Na₂SiO₃ 6=Other (Specify)

Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santeecooper.com Date Results Needed by: Project/Task/Unit #: 121567 / JM02.09.G01 / 36500 Rerun request for any flagged QC: Yes No

Analysis Group

Labwork ID # (Internal use only)	Sample Location// Description	Collection Date	Collection Time	Sample Collector	Level of contamination	Source type (Classify if possible)	Category (e.g., Construction)	Substrate (see below)	Preservative Code (see below)	Method	Reporting limit	Misc. sample info	Any other notes	HS
AF27217	WAP-24	2/22/22	1018	BRT/ESB	21	P	G	GW	2	74D	017			X
★ J 216	WAP-23		1340											
195	WAP-21		1115								018			
214	WAP-21		1204								019			
212	WAP-19		1514								020			
★ 215	WAP-22	2/23/22	1400											
★ 231	WLF-A2-2		1112											
211	WAP-18		1218								021			
AF 27229	WLF-A2-1	2/24/22	1027								022			
230	WLF-A2-1 DUP		1033								023			

Signature	Date	Time	Initials	Labwork ID	Temp
<i>A. Rucker</i>	3/8/22	1000		1045	

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

MICROANALYSIS (M)	MISC
FA-FA-1	1-BTC
FA-FA-2	2-Naphthalene
FA-FA-3	3-TM/HAA
FA-FA-4	4-VOC
FA-FA-5	5-Oil & Grease
FA-FA-6	6-Coil
FA-FA-7	7-Total Coliform
FA-FA-8	8-pH
FA-FA-9	9-Dissolved
FA-FA-10	10-Dissolved
FA-FA-11	11-DRD 210
FA-FA-12	12-Red 210
FA-FA-13	13-DRD 210

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=Na₂SO₄ 6=Other (Specify)



Sample Receiving Non-Conformance Form (NCF)

Date: 3-4-22	Evaluated by: A. Rubin
Client: Santee Cooper	

Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

Collection date/time missing or incorrect	Analyses or analytes: missing or clarification needed	<input checked="" type="checkbox"/>	Samples listed on COC do not match samples received (missing, additional, etc.)
Sample IDs on COC do not match sample labels	Required trip blanks were not received		Required signatures are missing

Comments/Details/Other issues not listed above:

There are missing samples recorded on the SCUR.

3. Sample integrity issues: check applicable issues below and add details where appropriate:

Samples: Past holding time	Samples: Condition needs to be brought to lab personnel's attention (details below)	Preservation: Improper
Samples: Not field filtered	Containers: Broken or compromised	Temperature: not within acceptance criteria (typically 0-6C)
Samples: Insufficient volume received	Containers: Incorrect	Temperature: Samples arrived frozen
Samples: Cooler damaged or compromised	Custody Seals: Missing or compromised on samples, trip blanks or coolers	Vials received with improper headspace
Samples: contain chlorine or sulfides	Packing Material: Insufficient/Improper	Other:

Comments/Details:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:



March 24, 2022

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

Re: ABS Lab Analytical
Work Order: 571577

Dear Ms. Gilmetti:

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

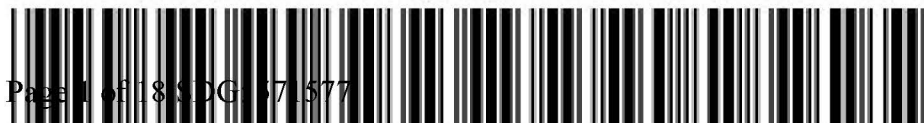
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Nina Gampe 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: 571577 GEL Work Order: 571577

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 _____

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: March 24, 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: AF27221	Project: SOOP00119
Sample ID: 571577001	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 15-FEB-22 11:24	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.97	+/-1.30	1.86	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.17	+/-1.33			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.208	+/-0.280	0.481	1.00	pCi/L			LXP1	03/07/22	0837	2234711	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"			86.5	(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: March 24, 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: AF27187	Project: SOOP00119
Sample ID: 571577002	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 15-FEB-22 12:34	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	0.865	+/-0.881	1.45	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.14	+/-0.973			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.27	+/-0.414	0.305	1.00	pCi/L			LXP1	03/07/22	0837	2234711	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"			87.3	(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

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: March 24, 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: AF27222	Project: SOOP00119
Sample ID: 571577003	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 16-FEB-22 13:46	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	2.01	+/-1.37	2.16	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.77	+/-1.41			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.760	+/-0.340	0.350	1.00	pCi/L			LXP1	03/07/22	0837	2234711	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"			84.2	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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Certificate of Analysis

Report Date: March 24, 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: AF27193	Project: SOOP00119
Sample ID: 571577004	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 17-FEB-22 10:05	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		3.55	+/-1.38	1.93	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.94	+/-1.47			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.39	+/-0.509	0.546	1.00	pCi/L			LXP1	03/07/22	0837	2234711	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: March 24, 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: AF27188	Project: SOOP00119
Sample ID: 571577005	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-FEB-22 10:42	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		3.18	+/-1.45	2.12	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		12.1	+/-1.85			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		8.96	+/-1.15	0.494	1.00	pCi/L			LXP1	03/07/22	0911	2234711	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: March 24, 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: AF27189	Project: SOOP00119
Sample ID: 571577006	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-FEB-22 12:05	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.69	+/-1.69	2.65	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.56	+/-1.83			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		3.87	+/-0.702	0.384	1.00	pCi/L			LXP1	03/07/22	0911	2234711	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"			73.9	(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: March 24, 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: AF27190	Project: SOOP00119
Sample ID: 571577007	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-FEB-22 13:35	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	0.457	+/-1.10	1.96	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		7.15	+/-1.44			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		6.69	+/-0.923	0.251	1.00	pCi/L			LXP1	03/07/22	0911	2234711	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"			83.6	(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: March 24, 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: AF27196	Project: SOOP00119
Sample ID: 571577008	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-FEB-22 14:48	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.29	+/-1.04	1.37	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.90	+/-1.27			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		4.61	+/-0.728	0.280	1.00	pCi/L			LXP1	03/07/22	0911	2234711	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"			74.7	(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: March 24, 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: AF27197	Project: SOOP00119
Sample ID: 571577009	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 21-FEB-22 14:53	
Receive Date: 25-FEB-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	1.41	+/-1.05	1.66	3.00	pCi/L			JXC9	03/09/22	0919	2234724	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.77	+/-1.23			pCi/L			NXL1	03/09/22	1427	2234723	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		3.37	+/-0.643	0.437	1.00	pCi/L			LXP1	03/07/22	0911	2234711	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"			85.3	(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

GEL LABORATORIES LLC

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

QC Summary

Report Date: March 24, 2022

Page 1 of 2

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

Contact:
Workorder: 571577

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2234724										
QC1205029469	571574001	DUP									
Radium-228		2.85		3.00	pCi/L	5.02		(0% - 100%)	JXC9	03/09/22	09:18
	Uncertainty	+/-1.24		+/-1.15							
QC1205029470	LCS										
Radium-228		47.2		44.7	pCi/L		94.6	(75%-125%)		03/09/22	09:18
	Uncertainty			+/-3.31							
QC1205029468	MB										
Radium-228				2.83	pCi/L					03/09/22	09:18
	Uncertainty			+/-1.17							
Rad Ra-226											
Batch	2234711										
QC1205029423	571574001	DUP									
Radium-226		U	0.169	U	0.394	pCi/L	N/A		N/A	LXP1	03/07/22 09:11
	Uncertainty		+/-0.220		+/-0.365						
QC1205029425	LCS										
Radium-226		26.5		22.8	pCi/L		85.9	(75%-125%)		03/07/22	09:42
	Uncertainty			+/-1.65							
QC1205029422	MB										
Radium-226			U	0.214	pCi/L					03/07/22	09:11
	Uncertainty			+/-0.261							
QC1205029424	571574001	MS									
Radium-226		134 U	0.169		116	pCi/L		86.8	(75%-125%)	03/07/22	09:42
	Uncertainty		+/-0.220		+/-8.69						

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.

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QC Summary

Workorder: 571577

Page 2 of 2

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
H		Analytical holding time was exceeded									
J		See case narrative for an explanation									
J		Value is estimated									
K		Analyte present. Reported value may be biased high. Actual value is expected to be lower.									
L		Analyte present. Reported value may be biased low. Actual value is expected to be higher.									
M		M if above MDC and less than LLD									
M		REMP Result > MDC/CL and < RDL									
N/A		RPD or %Recovery limits do not apply.									
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 #: 571577**

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified

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

Analytical Batch: 2234724

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
571577001	AF27221
571577002	AF27187
571577003	AF27222
571577004	AF27193
571577005	AF27188
571577006	AF27189
571577007	AF27190
571577008	AF27196
571577009	AF27197
1205029468	Method Blank (MB)
1205029469	571574001(AF27924) Sample Duplicate (DUP)
1205029470	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.

Preparation Information

Homogenous Matrix

Samples 1205029469 (AF27924DUP), 571577004 (AF27193) and 571577006 (AF27189) were non-homogenous matrix. Samples contain sedimentation. 571577004 (AF27193) and 571577006 (AF27189).

Quality Control (QC) Information

Method Blank Criteria

The blank result (See Below) is greater than the MDC but less than the required detection limit.

Sample	Analyte	Value
1205029468 (MB)	Radium-228	Result: 2.83 pCi/L > MDA: 1.62 pCi/L <= RDL: 3.00 pCi/L

Product: Lucas Cell, Ra226, Liquid

Analytical Method: EPA 903.1 Modified

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

Analytical Batch: 2234711

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
571577001	AF27221
571577002	AF27187
571577003	AF27222
571577004	AF27193
571577005	AF27188
571577006	AF27189
571577007	AF27190
571577008	AF27196
571577009	AF27197
1205029422	Method Blank (MB)
1205029423	571574001(AF27924) Sample Duplicate (DUP)
1205029424	571574001(AF27924) Matrix Spike (MS)
1205029425	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.

Preparation Information

Homogenous Matrix

Samples 1205029423 (AF27924DUP), 1205029424 (AF27924MS) and 571577004 (AF27193) were non-homogenous matrix.

Miscellaneous Information

Additional Comments

The matrix spike, 1205029424 (AF27924MS), 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.

Chain of Custody

571577



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 121567 / JMC2.09.G01 / 36500 Rerun request for any flagged QC: Yes No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226	RAD 228	TOTAL RAD CALC
AF27221	WBW-1	2/15/22	1124	BRI/ BSB	2	P	G	GW	2		X	X	X
AF27187	WAP-1	↓	1234										
AF27222	WBW-A1-1	2/16/22	1346										
AF27193	WAP-7	2/17/22	1005										
88	WAP-2	2/21/22	1042										
89	WAP-3		1205										
90	WAP-4		1335										
96	WAP-10		1448										
97	WAP-10 DUP		1453										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	35594	2/25/22	1045	<i>[Signature]</i>	GEL	2/25/22	1045
<i>DUP</i>	<i>666</i>	<i>2-25-22</i>	<i>1305</i>	<i>[Signature]</i>	GEL	<i>2-25-22</i>	<i>1505</i>

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	Nutrients TOC DOC TP/TPO4 NH3-N F Cl NO2 Br NO3 SO4	MISC. <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	Gypsum Wallboard Gypsum(all below) <input type="checkbox"/> AIM <input type="checkbox"/> VOC <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"/> Sulfates <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysts <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> AS <input type="checkbox"/> TSS	Oil Trans. Oil Qual. Volatiles Gels Acidity Flash Point HVI Density @ 15.6°C Used Oil Distillate Metals in oil (As, Cd, Cr, Ni, Pb, Hg) TS GORR
--	--	--	--	---	---	---



Laboratories LLC

SR

SAMPLE RECEIPT & REVIEW FORM

Client: <u>SOOP</u>		SDG/AR/COC/Work Order: <u>571574/571575/571576/571577</u>	
Received By: <u>BE</u>		Date Received: <u>2-25-22</u>	
Carrier and Tracking Number		Circle Applicable:	
		<input type="checkbox"/> FedEx Express <input type="checkbox"/> FedEx Ground <input type="checkbox"/> UPS <input type="checkbox"/> Field Services <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Other	
Suspected Hazard Information		Yes <input type="checkbox"/>	No <input type="checkbox"/>
*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.			
A) Shipped as a DOT Hazardous?		<input checked="" type="checkbox"/>	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?		<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM /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?		<input checked="" type="checkbox"/>	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
Sample Receipt Criteria		Yes <input type="checkbox"/>	NA <input type="checkbox"/>
		No <input type="checkbox"/>	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	<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"/>	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"/>	Preservation Method: Wet Ice Ice Packs Dry ice <input checked="" type="checkbox"/> None Other: *all temperatures are recorded in Celsius TEMP: <u>18</u>
4	Daily check performed and passed on IR temperature gun?	<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"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	Sample ID's and Containers Affected:
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	If Preservation added, Lot#: _____ 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"/>	ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	ID's and containers affected:
10	Date & time on COC match date & time on bottles?	<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"/>	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"/>	
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):			

PM (or PMA) review: Initials NRG Date 2/28/22 Page 1 of 1

List of current GEL Certifications as of 24 March 2022

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

March 15, 2022

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

RE: Project: 121567/JM02.09.G01/36500
Pace Project No.: 92591495

Dear Sherri Brown:

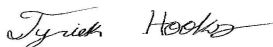
Enclosed are the analytical results for sample(s) received by the laboratory on March 04, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville

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

Sincerely,



Tyriek Hooks
tyriek.hooks@pacelabs.com
(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/JM02.09.G01/36500

Pace Project No.: 92591495

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92591495001	AF27204	EPA 7470A	DBB1	1	PASI-A
92591495002	AF27206	EPA 7470A	DBB1	1	PASI-A
92591495003	AF27205	EPA 7470A	DBB1	1	PASI-A
92591495004	AF27199	EPA 7470A	DBB1	1	PASI-A
92591495005	AF27200	EPA 7470A	DBB1	1	PASI-A
92591495006	AF27201	EPA 7470A	DBB1	1	PASI-A
92591495007	AF27208	EPA 7470A	DBB1	1	PASI-A
92591495008	AF27218	EPA 7470A	DBB1	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Sample: AF27204		Lab ID: 92591495001	Collected: 02/28/22 12:11	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	1.2	ug/L	1.0	1	03/11/22 16:00	03/15/22 09:44	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Sample: AF27206	Lab ID: 92591495002	Collected: 02/28/22 14:02	Received: 03/04/22 10:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/15/22 09:46	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Sample: AF27205		Lab ID: 92591495003	Collected: 02/28/22 15:21	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/15/22 09:48	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Sample: AF27199		Lab ID: 92591495004	Collected: 03/01/22 11:49	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/15/22 09:50	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Sample: AF27200		Lab ID: 92591495005	Collected: 03/01/22 11:54	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/15/22 09:52	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Sample: AF27201		Lab ID: 92591495006	Collected: 03/01/22 13:01	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/15/22 09:54	7439-97-6	

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Sample: AF27208		Lab ID: 92591495007	Collected: 03/01/22 14:37	Received: 03/04/22 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville						
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/15/22 09:56	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Sample: AF27218	Lab ID: 92591495008	Collected: 03/01/22 15:55	Received: 03/04/22 10:45	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury								
Analytical Method: EPA 7470A Preparation Method: EPA 7470A								
Pace Analytical Services - Asheville								
Mercury	ND	ug/L	0.20	1	03/11/22 16:00	03/15/22 09:59	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

QC Batch:	683593	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92591495001, 92591495002, 92591495003, 92591495004, 92591495005, 92591495006, 92591495007, 92591495008

METHOD BLANK: 3575628 Matrix: Water

Associated Lab Samples: 92591495001, 92591495002, 92591495003, 92591495004, 92591495005, 92591495006, 92591495007, 92591495008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/15/22 09:40	

LABORATORY CONTROL SAMPLE: 3575629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3575630 3575631

Parameter	Units	92591283003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.5	2.2	98	87	75-125	11	

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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QUALIFIERS

Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

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

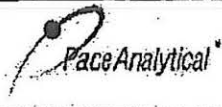
Project: 121567/JM02.09.G01/36500

Pace Project No.: 92591495

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92591495001	AF27204	EPA 7470A	683593	EPA 7470A	684407
92591495002	AF27206	EPA 7470A	683593	EPA 7470A	684407
92591495003	AF27205	EPA 7470A	683593	EPA 7470A	684407
92591495004	AF27199	EPA 7470A	683593	EPA 7470A	684407
92591495005	AF27200	EPA 7470A	683593	EPA 7470A	684407
92591495006	AF27201	EPA 7470A	683593	EPA 7470A	684407
92591495007	AF27208	EPA 7470A	683593	EPA 7470A	684407
92591495008	AF27218	EPA 7470A	683593	EPA 7470A	684407

REPORT OF LABORATORY ANALYSIS

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

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: Santee Cooper

Project #: **WO# : 92591495**

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 3-4-22 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: <u>WT</u>			
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: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-03-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2
 Issuing Authority:

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

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

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

Project #

WO# : 92591495

PM: TIH

Due Date: 03/18/22

CLIENT: 97-SanteeCoo

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A) (Cl-)	DG9R-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9B-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-SOB5 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)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																													
2																													
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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).

Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: / / Project/Task/Unit #: 121567 / JMOZ. OF. G81 / 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	Use of Containers	Sample Type (Glass/Plastic)	Container	Composite	Matrix (see below)	Preservative (see below)	Comments Method # Reporting limit Misc. sample info Any other notes	Flag			
A#27204	WAP - 14A	2/28/22	1211	BRY/BSB	1	P	G	GW	2	7470	ce 1	+			
206	14C		1402								ce 2				
205	14B		1521								ce 3				
199	12	3/1/22	1149								ce 4				
200	12 DUP		1154								ce 5				
201	13		1301								ce 6				
208	16		1437								ce 7				
218	WAP-25		1555								ce 8				

Collected by	Employee	Date	Time	Received by	Temp	Date	Time
gypsum		2/28/22	1500	A. Rucker	FACE/AVL	3-4-22	1045

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

ENVIRONMENTAL (oil)			MISC.	Other	
FA	BA	M		Oil	S
FA-1	BA-1	M-1	1. Diesel	1. Soil	
FA-2	BA-2	M-2	2. Gasoline	2. Limestone	
FA-3	BA-3	M-3	3. Oil	3. Solid	
FA-4	BA-4	M-4	4. Other	4. Other	
FA-5	BA-5	M-5	5. Other	5. Other	
FA-6	BA-6	M-6	6. Other	6. Other	
FA-7	BA-7	M-7	7. Other	7. Other	
FA-8	BA-8	M-8	8. Other	8. Other	
FA-9	BA-9	M-9	9. Other	9. Other	
FA-10	BA-10	M-10	10. Other	10. Other	

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oil-oil, S-Soil, SL-solid, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)
 Preservative code: 1=C4C, 2=HNO3, 3=H2SO4, 4=HCl, 5=Na2SiO3, 6=Other (Specify)

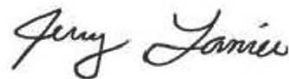
ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-214695-1
Client Project/Site: 125915/JM02.08.G01.1/36500
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:
5/27/2022 2:32:42 PM

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

LINKS

Review your project
results through



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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.G01.1/36500

Job ID: 680-214695-1

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- 14

Job ID: 680-214695-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative
680-214695-1

Comments

No additional comments.

Receipt

The samples were received on 4/28/2022 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 was 18.3° C.

Metals

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

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-214695-1	AF27199	Water	03/01/22 11:49	04/28/22 10:30
680-214695-2	AF27200	Water	03/01/22 11:54	04/28/22 10:30
680-214695-3	AF27201	Water	03/01/22 13:01	04/28/22 10:30
680-214695-4	AF27202	Water	02/28/22 13:02	04/28/22 10:30
680-214695-5	AF27203	Water	02/28/22 13:07	04/28/22 10:30
680-214695-6	AF27204	Water	02/28/22 12:11	04/28/22 10:30
680-214695-7	AF27205	Water	02/28/22 15:21	04/28/22 10:30
680-214695-8	AF27206	Water	02/28/22 14:02	04/28/22 10:30
680-214695-9	AF27207	Water	02/28/22 10:29	04/28/22 10:30
680-214695-10	AF27208	Water	03/01/22 14:37	04/28/22 10:30
680-214695-11	AF27209	Water	02/24/22 13:37	04/28/22 10:30
680-214695-12	AF27210	Water	02/24/22 13:42	04/28/22 10:30
680-214695-13	AF27211	Water	02/23/22 12:18	04/28/22 10:30
680-214695-14	AF27212	Water	02/22/22 15:14	04/28/22 10:30
680-214695-15	AF27213	Water	03/07/22 10:37	04/28/22 10:30
680-214695-16	AF27214	Water	02/22/22 12:04	04/28/22 10:30
680-214695-17	AF27215	Water	02/23/22 14:00	04/28/22 10:30
680-214695-18	AF27216	Water	02/22/22 13:40	04/28/22 10:30
680-214695-19	AF27217	Water	02/22/22 10:18	04/28/22 10:30
680-214695-20	AF27218	Water	03/01/22 15:55	04/28/22 10:30
680-214695-21	AF27219	Water	02/24/22 14:59	04/28/22 10:30
680-214695-22	AF27220	Water	02/24/22 15:04	04/28/22 10:30

Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	TAL SAV
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
3010A	Preparation, Total Metals	SW846	TAL PIT
3010A	Preparation, Total Metals	SW846	TAL SAV

Protocol References:

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

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



Definitions/Glossary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

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.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27199

Lab Sample ID: 680-214695-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	5.05		5.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27200

Lab Sample ID: 680-214695-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	4.55		0.500		ug/L	1		6020B	Total/NA

Client Sample ID: AF27201

Lab Sample ID: 680-214695-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.560		0.500		ug/L	1		6020B	Total/NA

Client Sample ID: AF27202

Lab Sample ID: 680-214695-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	31.7		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27203

Lab Sample ID: 680-214695-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	58.7		3.00		ug/L	1		6020B	Total/NA
Cobalt	1.15		0.500		ug/L	1		6020B	Total/NA
Antimony	3.30		2.00		ug/L	1		EPA 6020B	Total/NA

Client Sample ID: AF27204

Lab Sample ID: 680-214695-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	6.89		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27205

Lab Sample ID: 680-214695-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.3		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27206

Lab Sample ID: 680-214695-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	1.92		0.500		ug/L	1		6020B	Total/NA

Client Sample ID: AF27207

Lab Sample ID: 680-214695-9

No Detections.

Client Sample ID: AF27208

Lab Sample ID: 680-214695-10

No Detections.

Client Sample ID: AF27209

Lab Sample ID: 680-214695-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	153		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27210

Lab Sample ID: 680-214695-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	155		3.00		ug/L	1		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27211

Lab Sample ID: 680-214695-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	82.1		3.00		ug/L	1		6020B	Total/NA
Cobalt	1.92		0.500		ug/L	1		6020B	Total/NA

Client Sample ID: AF27212

Lab Sample ID: 680-214695-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	199		3.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27213

Lab Sample ID: 680-214695-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	158		3.00		ug/L	1		6020B	Total/NA
Beryllium	1.32		0.500		ug/L	1		6020B	Total/NA
Chromium	138		5.00		ug/L	1		6020B	Total/NA
Cobalt	9.86		0.500		ug/L	1		6020B	Total/NA
Lead	71.6		2.50		ug/L	1		6020B	Total/NA
Antimony	2.16		2.00		ug/L	1		EPA 6020B	Total/NA

Client Sample ID: AF27214

Lab Sample ID: 680-214695-16

No Detections.

Client Sample ID: AF27215

Lab Sample ID: 680-214695-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	131		30.0		ug/L	1		6020B	Total/NA

Client Sample ID: AF27216

Lab Sample ID: 680-214695-18

No Detections.

Client Sample ID: AF27217

Lab Sample ID: 680-214695-19

No Detections.

Client Sample ID: AF27218

Lab Sample ID: 680-214695-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	9.19		5.00		ug/L	1		6020B	Total/NA

Client Sample ID: AF27219

Lab Sample ID: 680-214695-21

No Detections.

Client Sample ID: AF27220

Lab Sample ID: 680-214695-22

No Detections.

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.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27199

Lab Sample ID: 680-214695-1

Date Collected: 03/01/22 11:49

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	30.0	U	30.0		ug/L		05/24/22 17:36	05/25/22 22:21	1
Beryllium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:21	1
Cadmium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:21	1
Chromium	50.0	U	50.0		ug/L		05/24/22 17:36	05/25/22 22:21	1
Cobalt	5.05		5.00		ug/L		05/24/22 17:36	05/25/22 22:21	1
Lead	25.0	U	25.0		ug/L		05/24/22 17:36	05/25/22 22:21	1
Thallium	10.0	U	10.0		ug/L		05/24/22 17:36	05/25/22 22:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 14:06	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 14:06	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27200

Lab Sample ID: 680-214695-2

Date Collected: 03/01/22 11:54

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 17:36	05/25/22 22:24	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:24	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:24	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:24	1
Cobalt	4.55		0.500		ug/L		05/24/22 17:36	05/25/22 22:24	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 22:24	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 22:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 14:55	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 14:55	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27201

Lab Sample ID: 680-214695-3

Date Collected: 03/01/22 13:01

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 17:36	05/25/22 22:26	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:26	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:26	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:26	1
Cobalt	0.560		0.500		ug/L		05/24/22 17:36	05/25/22 22:26	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 22:26	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 14:58	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 14:58	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27202

Lab Sample ID: 680-214695-4

Date Collected: 02/28/22 13:02

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	31.7		3.00		ug/L		05/24/22 17:36	05/25/22 22:00	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:00	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:00	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:00	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:00	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 22:00	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 22:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 15:12	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 15:12	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27203

Lab Sample ID: 680-214695-5

Date Collected: 02/28/22 13:07

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	58.7		3.00		ug/L		05/24/22 17:36	05/25/22 22:03	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:03	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:03	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:03	1
Cobalt	1.15		0.500		ug/L		05/24/22 17:36	05/25/22 22:03	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 22:03	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 22:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	3.30		2.00		ug/L		05/10/22 12:07	05/11/22 15:33	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 15:33	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27204

Lab Sample ID: 680-214695-6

Date Collected: 02/28/22 12:11

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.89		3.00		ug/L		05/24/22 17:36	05/25/22 22:06	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:06	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:06	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:06	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:06	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 22:06	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 22:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 15:47	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 15:47	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27205

Lab Sample ID: 680-214695-7

Date Collected: 02/28/22 15:21

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.3		3.00		ug/L		05/24/22 17:36	05/25/22 22:13	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:13	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:13	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:13	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:13	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 22:13	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 22:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 16:01	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 16:01	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27206

Lab Sample ID: 680-214695-8

Date Collected: 02/28/22 14:02

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 17:36	05/25/22 22:16	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:16	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:16	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:16	1
Cobalt	1.92		0.500		ug/L		05/24/22 17:36	05/25/22 22:16	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 22:16	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 16:15	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 16:15	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27207

Lab Sample ID: 680-214695-9

Date Collected: 02/28/22 10:29

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 17:36	05/25/22 22:18	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:18	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:18	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 22:18	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 22:18	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 22:18	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 22:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 16:19	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 16:19	1

Client Sample Results

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27208

Lab Sample ID: 680-214695-10

Date Collected: 03/01/22 14:37

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/25/22 10:44	05/26/22 09:02	1
Beryllium	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 09:02	1
Cadmium	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 09:02	1
Chromium	5.00	U	5.00		ug/L		05/25/22 10:44	05/26/22 09:02	1
Cobalt	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 09:02	1
Lead	2.50	U	2.50		ug/L		05/25/22 10:44	05/26/22 09:02	1
Thallium	1.00	U	1.00		ug/L		05/25/22 10:44	05/26/22 09:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 16:33	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 16:33	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27209

Lab Sample ID: 680-214695-11

Date Collected: 02/24/22 13:37

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	153		3.00		ug/L		05/24/22 17:36	05/25/22 21:35	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:35	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:35	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:35	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:35	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 21:35	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 21:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 16:36	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27210

Lab Sample ID: 680-214695-12

Date Collected: 02/24/22 13:42

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	155		3.00		ug/L		05/24/22 17:36	05/25/22 21:42	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:42	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:42	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:42	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:42	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 21:42	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 16:50	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27211

Lab Sample ID: 680-214695-13

Date Collected: 02/23/22 12:18

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	82.1		3.00		ug/L		05/24/22 16:11	05/25/22 21:04	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 21:04	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 21:04	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 21:04	1
Cobalt	1.92		0.500		ug/L		05/24/22 16:11	05/25/22 21:04	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 21:04	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 21:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 17:04	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27212

Lab Sample ID: 680-214695-14

Date Collected: 02/22/22 15:14

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	199		3.00		ug/L		05/24/22 16:11	05/25/22 20:53	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:53	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:53	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:53	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:53	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:53	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 17:14	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27213

Lab Sample ID: 680-214695-15

Date Collected: 03/07/22 10:37

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	158		3.00		ug/L		05/25/22 10:44	05/26/22 09:38	1
Beryllium	1.32		0.500		ug/L		05/25/22 10:44	05/26/22 09:38	1
Cadmium	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 09:38	1
Chromium	138		5.00		ug/L		05/25/22 10:44	05/26/22 09:38	1
Cobalt	9.86		0.500		ug/L		05/25/22 10:44	05/26/22 09:38	1
Lead	71.6		2.50		ug/L		05/25/22 10:44	05/26/22 09:38	1
Thallium	1.00	U	1.00		ug/L		05/25/22 10:44	05/26/22 09:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.16		2.00		ug/L		05/10/22 12:07	05/11/22 17:28	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 17:28	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27214

Lab Sample ID: 680-214695-16

Date Collected: 02/22/22 12:04

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 20:56	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:56	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:56	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:56	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:56	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:56	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 17:32	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 17:32	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27215

Lab Sample ID: 680-214695-17

Date Collected: 02/23/22 14:00

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	131		30.0		ug/L		05/24/22 17:36	05/25/22 21:30	1
Beryllium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:30	1
Cadmium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:30	1
Chromium	50.0	U	50.0		ug/L		05/24/22 17:36	05/25/22 21:30	1
Cobalt	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:30	1
Lead	25.0	U	25.0		ug/L		05/24/22 17:36	05/25/22 21:30	1
Thallium	10.0	U	10.0		ug/L		05/24/22 17:36	05/25/22 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:03	05/11/22 17:42	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:03	05/11/22 17:42	1

Client Sample Results

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27216

Lab Sample ID: 680-214695-18

Date Collected: 02/22/22 13:40

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 20:59	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:59	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:59	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 20:59	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 20:59	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 20:59	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 20:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:03	05/11/22 18:49	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:03	05/11/22 18:49	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27217

Lab Sample ID: 680-214695-19

Date Collected: 02/22/22 10:18

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 21:01	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 21:01	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 21:01	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 21:01	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 21:01	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 21:01	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 21:01	1
Barium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:03	05/11/22 18:52	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:03	05/11/22 18:52	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27218

Lab Sample ID: 680-214695-20

Date Collected: 03/01/22 15:55

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/25/22 10:44	05/26/22 09:15	1
Beryllium	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 09:15	1
Cadmium	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 09:15	1
Chromium	5.00	U	5.00		ug/L		05/25/22 10:44	05/26/22 09:15	1
Cobalt	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 09:15	1
Lead	2.50	U	2.50		ug/L		05/25/22 10:44	05/26/22 09:15	1
Thallium	1.00	U	1.00		ug/L		05/25/22 10:44	05/26/22 09:15	1
Barium	9.19		5.00		ug/L		05/25/22 10:44	05/26/22 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:03	05/11/22 18:56	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:03	05/11/22 18:56	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27219

Lab Sample ID: 680-214695-21

Date Collected: 02/24/22 14:59

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 17:36	05/25/22 21:45	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:45	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:45	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:45	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:45	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 21:45	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:03	05/11/22 18:59	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:03	05/11/22 18:59	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27220

Lab Sample ID: 680-214695-22

Date Collected: 02/24/22 15:04

Matrix: Water

Date Received: 04/28/22 10:30

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/24/22 17:36	05/25/22 21:48	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:48	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:48	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:48	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:48	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 21:48	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 21:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	2.00	U	2.00		ug/L		05/10/22 12:03	05/11/22 19:03	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:03	05/11/22 19:03	1

QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-722485/1-A
Matrix: Water
Analysis Batch: 722803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722485

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	3.00	U	3.00		ug/L		05/24/22 16:11	05/25/22 19:49	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 19:49	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 19:49	1
Chromium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 19:49	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 16:11	05/25/22 19:49	1
Lead	2.50	U	2.50		ug/L		05/24/22 16:11	05/25/22 19:49	1
Thallium	1.00	U	1.00		ug/L		05/24/22 16:11	05/25/22 19:49	1
Barium	5.00	U	5.00		ug/L		05/24/22 16:11	05/25/22 19:49	1

Lab Sample ID: LCS 680-722485/2-A
Matrix: Water
Analysis Batch: 722803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722485

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
Arsenic	100	97.59		ug/L		98	98	80 - 120
Beryllium	50.0	49.07		ug/L		98	98	80 - 120
Cadmium	50.0	49.44		ug/L		99	99	80 - 120
Chromium	100	96.03		ug/L		96	96	80 - 120
Cobalt	50.0	51.43		ug/L		103	103	80 - 120
Lead	505	490.3		ug/L		97	97	80 - 120
Thallium	40.0	39.07		ug/L		98	98	80 - 120
Barium	100	92.31		ug/L		92	92	80 - 120

Lab Sample ID: MB 680-722492/1-A
Matrix: Water
Analysis Batch: 722803

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722492

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	3.00	U	3.00		ug/L		05/24/22 17:36	05/25/22 21:11	1
Beryllium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:11	1
Cadmium	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:11	1
Chromium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:11	1
Cobalt	0.500	U	0.500		ug/L		05/24/22 17:36	05/25/22 21:11	1
Lead	2.50	U	2.50		ug/L		05/24/22 17:36	05/25/22 21:11	1
Thallium	1.00	U	1.00		ug/L		05/24/22 17:36	05/25/22 21:11	1
Barium	5.00	U	5.00		ug/L		05/24/22 17:36	05/25/22 21:11	1

Lab Sample ID: LCS 680-722492/2-A
Matrix: Water
Analysis Batch: 722803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
Arsenic	100	96.36		ug/L		96	96	80 - 120
Beryllium	50.0	49.53		ug/L		99	99	80 - 120
Cadmium	50.0	48.90		ug/L		98	98	80 - 120
Chromium	100	94.29		ug/L		94	94	80 - 120
Cobalt	50.0	50.79		ug/L		102	102	80 - 120
Lead	505	487.3		ug/L		97	97	80 - 120
Thallium	40.0	38.55		ug/L		96	96	80 - 120

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QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

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

Lab Sample ID: LCS 680-722492/2-A
Matrix: Water
Analysis Batch: 722803

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722492

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	100	92.53		ug/L		93	80 - 120

Lab Sample ID: MB 680-722593/1-A
Matrix: Water
Analysis Batch: 722917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 722593

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		05/25/22 10:44	05/26/22 08:57	1
Beryllium	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 08:57	1
Cadmium	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 08:57	1
Chromium	5.00	U	5.00		ug/L		05/25/22 10:44	05/26/22 08:57	1
Cobalt	0.500	U	0.500		ug/L		05/25/22 10:44	05/26/22 08:57	1
Lead	2.50	U	2.50		ug/L		05/25/22 10:44	05/26/22 08:57	1
Thallium	1.00	U	1.00		ug/L		05/25/22 10:44	05/26/22 08:57	1
Barium	5.00	U	5.00		ug/L		05/25/22 10:44	05/26/22 08:57	1

Lab Sample ID: LCS 680-722593/2-A
Matrix: Water
Analysis Batch: 722917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 722593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	93.65		ug/L		94	80 - 120
Beryllium	50.0	48.67		ug/L		97	80 - 120
Cadmium	50.0	48.55		ug/L		97	80 - 120
Chromium	100	89.35		ug/L		89	80 - 120
Cobalt	50.0	49.48		ug/L		99	80 - 120
Lead	505	478.9		ug/L		95	80 - 120
Thallium	40.0	38.29		ug/L		96	80 - 120
Barium	100	90.93		ug/L		91	80 - 120

Lab Sample ID: 680-214695-10 MS
Matrix: Water
Analysis Batch: 722917

Client Sample ID: AF27208
Prep Type: Total/NA
Prep Batch: 722593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	3.00	U	100	110.4		ug/L		110	75 - 125
Beryllium	0.500	U	50.0	55.06		ug/L		110	75 - 125
Cadmium	0.500	U	50.0	54.27		ug/L		109	75 - 125
Chromium	5.00	U	100	105.2		ug/L		105	75 - 125
Cobalt	0.500	U	50.0	56.13		ug/L		112	75 - 125
Lead	2.50	U	505	555.1		ug/L		110	75 - 125
Thallium	1.00	U	40.0	44.53		ug/L		111	75 - 125
Barium	95.5		100	201.2		ug/L		106	75 - 125

Lab Sample ID: 680-214695-10 MSD
Matrix: Water
Analysis Batch: 722917

Client Sample ID: AF27208
Prep Type: Total/NA
Prep Batch: 722593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	3.00	U	100	113.5		ug/L		113	75 - 125	3	20

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QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

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

Lab Sample ID: 680-214695-10 MSD

Client Sample ID: AF27208

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 722917

Prep Batch: 722593

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Beryllium	0.500	U	50.0	57.52		ug/L		115	75 - 125	4	20
Cadmium	0.500	U	50.0	57.05		ug/L		114	75 - 125	5	20
Chromium	5.00	U	100	107.9		ug/L		108	75 - 125	3	20
Cobalt	0.500	U	50.0	57.91		ug/L		116	75 - 125	3	20
Lead	2.50	U	505	576.7		ug/L		114	75 - 125	4	20
Thallium	1.00	U	40.0	46.19		ug/L		115	75 - 125	4	20
Barium	95.5		100	206.9		ug/L		111	75 - 125	3	20

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

Lab Sample ID: MB 180-398254/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 398622

Prep Batch: 398254

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	2.00	U	2.00		ug/L		05/10/22 12:03	05/11/22 17:35	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:03	05/11/22 17:35	1

Lab Sample ID: LCS 180-398254/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 398622

Prep Batch: 398254

Analyte	Spike	LCS	LCS	Unit	D	% Rec	% Rec
							Added
Antimony	250	260.2		ug/L		104	80 - 120
Selenium	1000	972.2		ug/L		97	80 - 120

Lab Sample ID: 680-214695-17 MS

Client Sample ID: AF27215

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 398622

Prep Batch: 398254

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	% Rec	% Rec
	Result	Qualifier		Result	Qualifier				Limits
Antimony	2.00	U	250	248.0		ug/L		99	75 - 125
Selenium	5.00	U	1000	927.3		ug/L		93	75 - 125

Lab Sample ID: 680-214695-17 MSD

Client Sample ID: AF27215

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 398622

Prep Batch: 398254

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	% Rec	% Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Antimony	2.00	U	250	253.2		ug/L		101	75 - 125	2	20
Selenium	5.00	U	1000	943.4		ug/L		94	75 - 125	2	20

Lab Sample ID: MB 180-398255/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 398622

Prep Batch: 398255

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	2.00	U	2.00		ug/L		05/10/22 12:07	05/11/22 13:52	1
Selenium	5.00	U	5.00		ug/L		05/10/22 12:07	05/11/22 13:52	1

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QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

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

Lab Sample ID: LCS 180-398255/2-A
Matrix: Water
Analysis Batch: 398622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 398255

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	250	249.0		ug/L		100	80 - 120
Selenium	1000	962.9		ug/L		96	80 - 120

Lab Sample ID: 680-214695-1 MS
Matrix: Water
Analysis Batch: 398622

Client Sample ID: AF27199
Prep Type: Total/NA
Prep Batch: 398255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	2.00	U	250	248.3		ug/L		99	75 - 125
Selenium	5.00	U	1000	926.2		ug/L		93	75 - 125

Lab Sample ID: 680-214695-1 MSD
Matrix: Water
Analysis Batch: 398622

Client Sample ID: AF27199
Prep Type: Total/NA
Prep Batch: 398255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	2.00	U	250	253.7		ug/L		101	75 - 125	2	20
Selenium	5.00	U	1000	963.5		ug/L		96	75 - 125	4	20

QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Metals

Prep Batch: 398254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-17	AF27215	Total/NA	Water	3010A	
680-214695-18	AF27216	Total/NA	Water	3010A	
680-214695-19	AF27217	Total/NA	Water	3010A	
680-214695-20	AF27218	Total/NA	Water	3010A	
680-214695-21	AF27219	Total/NA	Water	3010A	
680-214695-22	AF27220	Total/NA	Water	3010A	
MB 180-398254/1-A	Method Blank	Total/NA	Water	3010A	
LCS 180-398254/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-214695-17 MS	AF27215	Total/NA	Water	3010A	
680-214695-17 MSD	AF27215	Total/NA	Water	3010A	

Prep Batch: 398255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-1	AF27199	Total/NA	Water	3010A	
680-214695-2	AF27200	Total/NA	Water	3010A	
680-214695-3	AF27201	Total/NA	Water	3010A	
680-214695-4	AF27202	Total/NA	Water	3010A	
680-214695-5	AF27203	Total/NA	Water	3010A	
680-214695-6	AF27204	Total/NA	Water	3010A	
680-214695-7	AF27205	Total/NA	Water	3010A	
680-214695-8	AF27206	Total/NA	Water	3010A	
680-214695-9	AF27207	Total/NA	Water	3010A	
680-214695-10	AF27208	Total/NA	Water	3010A	
680-214695-11	AF27209	Total/NA	Water	3010A	
680-214695-12	AF27210	Total/NA	Water	3010A	
680-214695-13	AF27211	Total/NA	Water	3010A	
680-214695-14	AF27212	Total/NA	Water	3010A	
680-214695-15	AF27213	Total/NA	Water	3010A	
680-214695-16	AF27214	Total/NA	Water	3010A	
MB 180-398255/1-A	Method Blank	Total/NA	Water	3010A	
LCS 180-398255/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-214695-1 MS	AF27199	Total/NA	Water	3010A	
680-214695-1 MSD	AF27199	Total/NA	Water	3010A	

Analysis Batch: 398622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-1	AF27199	Total/NA	Water	EPA 6020B	398255
680-214695-2	AF27200	Total/NA	Water	EPA 6020B	398255
680-214695-3	AF27201	Total/NA	Water	EPA 6020B	398255
680-214695-4	AF27202	Total/NA	Water	EPA 6020B	398255
680-214695-5	AF27203	Total/NA	Water	EPA 6020B	398255
680-214695-6	AF27204	Total/NA	Water	EPA 6020B	398255
680-214695-7	AF27205	Total/NA	Water	EPA 6020B	398255
680-214695-8	AF27206	Total/NA	Water	EPA 6020B	398255
680-214695-9	AF27207	Total/NA	Water	EPA 6020B	398255
680-214695-10	AF27208	Total/NA	Water	EPA 6020B	398255
680-214695-11	AF27209	Total/NA	Water	EPA 6020B	398255
680-214695-12	AF27210	Total/NA	Water	EPA 6020B	398255
680-214695-13	AF27211	Total/NA	Water	EPA 6020B	398255
680-214695-14	AF27212	Total/NA	Water	EPA 6020B	398255
680-214695-15	AF27213	Total/NA	Water	EPA 6020B	398255

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QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Metals (Continued)

Analysis Batch: 398622 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-16	AF27214	Total/NA	Water	EPA 6020B	398255
680-214695-17	AF27215	Total/NA	Water	EPA 6020B	398254
680-214695-18	AF27216	Total/NA	Water	EPA 6020B	398254
680-214695-19	AF27217	Total/NA	Water	EPA 6020B	398254
680-214695-20	AF27218	Total/NA	Water	EPA 6020B	398254
680-214695-21	AF27219	Total/NA	Water	EPA 6020B	398254
680-214695-22	AF27220	Total/NA	Water	EPA 6020B	398254
MB 180-398254/1-A	Method Blank	Total/NA	Water	EPA 6020B	398254
MB 180-398255/1-A	Method Blank	Total/NA	Water	EPA 6020B	398255
LCS 180-398254/2-A	Lab Control Sample	Total/NA	Water	EPA 6020B	398254
LCS 180-398255/2-A	Lab Control Sample	Total/NA	Water	EPA 6020B	398255
680-214695-1 MS	AF27199	Total/NA	Water	EPA 6020B	398255
680-214695-1 MSD	AF27199	Total/NA	Water	EPA 6020B	398255
680-214695-17 MS	AF27215	Total/NA	Water	EPA 6020B	398254
680-214695-17 MSD	AF27215	Total/NA	Water	EPA 6020B	398254

Prep Batch: 722485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-13	AF27211	Total/NA	Water	3010A	
680-214695-14	AF27212	Total/NA	Water	3010A	
680-214695-16	AF27214	Total/NA	Water	3010A	
680-214695-18	AF27216	Total/NA	Water	3010A	
680-214695-19	AF27217	Total/NA	Water	3010A	
MB 680-722485/1-A	Method Blank	Total/NA	Water	3010A	
LCS 680-722485/2-A	Lab Control Sample	Total/NA	Water	3010A	

Prep Batch: 722492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-1	AF27199	Total/NA	Water	3010A	
680-214695-2	AF27200	Total/NA	Water	3010A	
680-214695-3	AF27201	Total/NA	Water	3010A	
680-214695-4	AF27202	Total/NA	Water	3010A	
680-214695-5	AF27203	Total/NA	Water	3010A	
680-214695-6	AF27204	Total/NA	Water	3010A	
680-214695-7	AF27205	Total/NA	Water	3010A	
680-214695-8	AF27206	Total/NA	Water	3010A	
680-214695-9	AF27207	Total/NA	Water	3010A	
680-214695-11	AF27209	Total/NA	Water	3010A	
680-214695-12	AF27210	Total/NA	Water	3010A	
680-214695-17	AF27215	Total/NA	Water	3010A	
680-214695-21	AF27219	Total/NA	Water	3010A	
680-214695-22	AF27220	Total/NA	Water	3010A	
MB 680-722492/1-A	Method Blank	Total/NA	Water	3010A	
LCS 680-722492/2-A	Lab Control Sample	Total/NA	Water	3010A	

Prep Batch: 722593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-10	AF27208	Total/NA	Water	3010A	
680-214695-15	AF27213	Total/NA	Water	3010A	
680-214695-20	AF27218	Total/NA	Water	3010A	
MB 680-722593/1-A	Method Blank	Total/NA	Water	3010A	

Eurofins Savannah

QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Metals (Continued)

Prep Batch: 722593 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-722593/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-214695-10 MS	AF27208	Total/NA	Water	3010A	
680-214695-10 MSD	AF27208	Total/NA	Water	3010A	

Analysis Batch: 722803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-1	AF27199	Total/NA	Water	6020B	722492
680-214695-2	AF27200	Total/NA	Water	6020B	722492
680-214695-3	AF27201	Total/NA	Water	6020B	722492
680-214695-4	AF27202	Total/NA	Water	6020B	722492
680-214695-5	AF27203	Total/NA	Water	6020B	722492
680-214695-6	AF27204	Total/NA	Water	6020B	722492
680-214695-7	AF27205	Total/NA	Water	6020B	722492
680-214695-8	AF27206	Total/NA	Water	6020B	722492
680-214695-9	AF27207	Total/NA	Water	6020B	722492
680-214695-11	AF27209	Total/NA	Water	6020B	722492
680-214695-12	AF27210	Total/NA	Water	6020B	722492
680-214695-13	AF27211	Total/NA	Water	6020B	722485
680-214695-14	AF27212	Total/NA	Water	6020B	722485
680-214695-16	AF27214	Total/NA	Water	6020B	722485
680-214695-17	AF27215	Total/NA	Water	6020B	722492
680-214695-18	AF27216	Total/NA	Water	6020B	722485
680-214695-19	AF27217	Total/NA	Water	6020B	722485
680-214695-21	AF27219	Total/NA	Water	6020B	722492
680-214695-22	AF27220	Total/NA	Water	6020B	722492
MB 680-722485/1-A	Method Blank	Total/NA	Water	6020B	722485
MB 680-722492/1-A	Method Blank	Total/NA	Water	6020B	722492
LCS 680-722485/2-A	Lab Control Sample	Total/NA	Water	6020B	722485
LCS 680-722492/2-A	Lab Control Sample	Total/NA	Water	6020B	722492

Analysis Batch: 722917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-214695-10	AF27208	Total/NA	Water	6020B	722593
680-214695-15	AF27213	Total/NA	Water	6020B	722593
680-214695-20	AF27218	Total/NA	Water	6020B	722593
MB 680-722593/1-A	Method Blank	Total/NA	Water	6020B	722593
LCS 680-722593/2-A	Lab Control Sample	Total/NA	Water	6020B	722593
680-214695-10 MS	AF27208	Total/NA	Water	6020B	722593
680-214695-10 MSD	AF27208	Total/NA	Water	6020B	722593

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27199

Lab Sample ID: 680-214695-1

Date Collected: 03/01/22 11:49

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:21	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 14:06	RSK	TAL PIT

Client Sample ID: AF27200

Lab Sample ID: 680-214695-2

Date Collected: 03/01/22 11:54

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:24	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 14:55	RSK	TAL PIT

Client Sample ID: AF27201

Lab Sample ID: 680-214695-3

Date Collected: 03/01/22 13:01

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:26	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 14:58	RSK	TAL PIT

Client Sample ID: AF27202

Lab Sample ID: 680-214695-4

Date Collected: 02/28/22 13:02

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:00	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 15:12	RSK	TAL PIT

Client Sample ID: AF27203

Lab Sample ID: 680-214695-5

Date Collected: 02/28/22 13:07

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:03	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 15:33	RSK	TAL PIT

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27204

Lab Sample ID: 680-214695-6

Date Collected: 02/28/22 12:11

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:06	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 15:47	RSK	TAL PIT

Client Sample ID: AF27205

Lab Sample ID: 680-214695-7

Date Collected: 02/28/22 15:21

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:13	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 16:01	RSK	TAL PIT

Client Sample ID: AF27206

Lab Sample ID: 680-214695-8

Date Collected: 02/28/22 14:02

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:16	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 16:15	RSK	TAL PIT

Client Sample ID: AF27207

Lab Sample ID: 680-214695-9

Date Collected: 02/28/22 10:29

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 22:18	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 16:19	RSK	TAL PIT

Client Sample ID: AF27208

Lab Sample ID: 680-214695-10

Date Collected: 03/01/22 14:37

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722593	05/25/22 10:44	JE	TAL SAV
Total/NA	Analysis	6020B		1	722917	05/26/22 09:02	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 16:33	RSK	TAL PIT

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27209

Lab Sample ID: 680-214695-11

Date Collected: 02/24/22 13:37

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 21:35	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 16:36	RSK	TAL PIT

Client Sample ID: AF27210

Lab Sample ID: 680-214695-12

Date Collected: 02/24/22 13:42

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 21:42	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 16:50	RSK	TAL PIT

Client Sample ID: AF27211

Lab Sample ID: 680-214695-13

Date Collected: 02/23/22 12:18

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 21:04	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 17:04	RSK	TAL PIT

Client Sample ID: AF27212

Lab Sample ID: 680-214695-14

Date Collected: 02/22/22 15:14

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:53	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 17:14	RSK	TAL PIT

Client Sample ID: AF27213

Lab Sample ID: 680-214695-15

Date Collected: 03/07/22 10:37

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722593	05/25/22 10:44	JE	TAL SAV
Total/NA	Analysis	6020B		1	722917	05/26/22 09:38	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 17:28	RSK	TAL PIT

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27214

Lab Sample ID: 680-214695-16

Date Collected: 02/22/22 12:04

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:56	BJB	TAL SAV
Total/NA	Prep	3010A			398255	05/10/22 12:07	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 17:32	RSK	TAL PIT

Client Sample ID: AF27215

Lab Sample ID: 680-214695-17

Date Collected: 02/23/22 14:00

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 21:30	BJB	TAL SAV
Total/NA	Prep	3010A			398254	05/10/22 12:03	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 17:42	RSK	TAL PIT

Client Sample ID: AF27216

Lab Sample ID: 680-214695-18

Date Collected: 02/22/22 13:40

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 20:59	BJB	TAL SAV
Total/NA	Prep	3010A			398254	05/10/22 12:03	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 18:49	RSK	TAL PIT

Client Sample ID: AF27217

Lab Sample ID: 680-214695-19

Date Collected: 02/22/22 10:18

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722485	05/24/22 16:11	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 21:01	BJB	TAL SAV
Total/NA	Prep	3010A			398254	05/10/22 12:03	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 18:52	RSK	TAL PIT

Client Sample ID: AF27218

Lab Sample ID: 680-214695-20

Date Collected: 03/01/22 15:55

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722593	05/25/22 10:44	JE	TAL SAV
Total/NA	Analysis	6020B		1	722917	05/26/22 09:15	BJB	TAL SAV
Total/NA	Prep	3010A			398254	05/10/22 12:03	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 18:56	RSK	TAL PIT

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-214695-1

Client Sample ID: AF27219

Lab Sample ID: 680-214695-21

Date Collected: 02/24/22 14:59

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 21:45	BJB	TAL SAV
Total/NA	Prep	3010A			398254	05/10/22 12:03	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 18:59	RSK	TAL PIT

Client Sample ID: AF27220

Lab Sample ID: 680-214695-22

Date Collected: 02/24/22 15:04

Matrix: Water

Date Received: 04/28/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			722492	05/24/22 17:36	JE	TAL SAV
Total/NA	Analysis	6020B		1	722803	05/25/22 21:48	BJB	TAL SAV
Total/NA	Prep	3010A			398254	05/10/22 12:03	NAF	TAL PIT
Total/NA	Analysis	EPA 6020B		1	398622	05/11/22 19:03	RSK	TAL PIT

Laboratory References:

TAL PIT = Eurofins Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

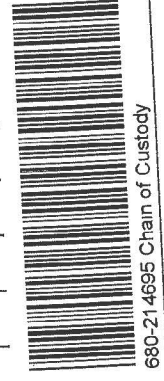
Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 125915 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	AS, Bc, Cd, Co Cr, Ti, Se, Sb, Pb
AF27199	WAP-12	3/1/22	1149	BRT BSP	1	P	G	GW	2	METHOD 6020	X
200	12 DUP	3/1/22	1154							SEE SHEET FOR RLS.	-
01	12	3/1/22	1301							SEND TO ST. LOUIS FOR S	
02	14	2/28/22	1302								
03	14 DUP	2/28/22	1307								
04	14A		1211								
05	14B		1521								
06	14C		1402								
07	15		1029								
08	16	3/1/22	1437								



Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>		4/21/22	1500	<i>JR</i>	7A	4/23/22	1030

Sample Receiving (Internal Use Only)
TEMP (°C): 18.5/18.5 Initial:
Correct pH: Yes No
Preservative Lot#:
Date/Time/Int 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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum(all below) <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> Ash <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Total Oil Spill <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dissolved Solids <input type="checkbox"/> FT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Lead Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> % Meth in oil <input type="checkbox"/> Ca, Cl, Cr, Ni, Pb <input type="checkbox"/> Hg <input type="checkbox"/> TSS <input type="checkbox"/> COPPER
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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 / JMO2.08.681.1 / 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	Ag, Be, Cd, Co Cr, Pb, Se, Tl
AF27209	WAP - 17	2/24/22	1337	BRT BSB	1	P	G	GW	2	METHOD 6020	X
10	17 DUP	2/24/22	1342							SEE SHEET FOR RLS	
11	18	2/23/22	1218							SEND TO ST LOUIS FOR SE TO MEET RL.	
12	19	2/22/22	1514								

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sjbrown</i>		4/21/22	1500	<i>TA</i>	TA	4/28/22	1030

Sample Receiving (Internal Use Only)
TEMP (°C): 18.9/18.3 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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard <input type="checkbox"/> Gypsum (all below) <input type="checkbox"/> AEM <input type="checkbox"/> TOC <input type="checkbox"/> Total metal <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Trace Oil Qual. <input type="checkbox"/> *Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dissolved Oxygen <input type="checkbox"/> BPT <input type="checkbox"/> Dissolved Oxygen <input type="checkbox"/> Total Oil <input type="checkbox"/> Fluoride <input type="checkbox"/> Metals in oil <input type="checkbox"/> (ANCA COM.PP) <input type="checkbox"/> Hg <input type="checkbox"/> TPA <input type="checkbox"/> BOD5
--	--	--	--	---	--	---

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: 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	As, Ba, Cd, Co Cr, Ti, Se, Sb	Pb	Ba
AF27213	WAP-20	3/7/22	1037	PRT BSB	1	P	G	GW	2	METHOD 602D	X	X	
14	21	2/22/22	1204							SEE SHEET FOR RLS.			
15	22	2/23/22	1400							SEND TO ST. LOUIS FOR Se.			
16	23	2/22/22	1340										
17	24	2/22/22	1018									X	
18	25	3/1/22	1555									X	
19	26	2/24/22	1459										
20	26 DUP	2/24/22	1504										
21													

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>		4/21/22	1500	<i>DL</i>	7A	4.28.22	1030

Sample Receiving (Internal Use Only)
TEMP (°C): 84/18 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	Nutrients <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP/TP04 <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	MISC. <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	Gypsum <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"/> Pheny (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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Detectable through <input type="checkbox"/> HT <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> Used Oil <input type="checkbox"/> Flammable <input type="checkbox"/> Metals in Oil <input type="checkbox"/> (As, Cd, Cr, Ni, Pb) <input type="checkbox"/> Hg <input type="checkbox"/> TC <input type="checkbox"/> COPPER
--	--	--	--	---	--	---

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

Eurofins Pittsburgh
 301 Alpha Drive RIDC Park
 Pittsburgh PA 15238
 Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record



eurofins
 Environment Testing
 America

Client Information (Sub Contract Lab)

Client Contact: Shipping/Receiving
 Eurofins Environment Testing Southeast
 Address: 5102 LaRoche Avenue
 City: Savannah
 State Zip: GA, 31404
 Phone: 912-354-7668(Tel) 912-352-0165(Fax)
 Email: Project Name: 125915/JM02 08 G01 1/36500
 Site: SSOV#:

Sampler: Lab P/N: Lamer Jerry A
 Phone: E-Mail: Jerry.Lanier@eurofins.com

Carrier Tracking No(s):
 State of Origin: South Carolina

COG No: 180-462144 1
 Page: Page 1 of 3
 Job #: 680-214695-1

Due Date Requested: 5/5/2022
 TAT Requested (days):

Analysis Requested

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amnol
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 M - Hexane
 N - None
 O - AsnAO2
 P - Na2O4S
 Q - Na2SO3
 R - Na2S2O3
 S - H2SO4
 T - TSP Dodecahydrate
 U - Acetone
 V - MCAA
 W - pH 4-5
 Y - Trizma
 Z - other (specify)

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Inventor Sample, Ovensatrol, BT=Trans, AsAir)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
AF27199 (680-214695-1)	3/1/22	11 49	Eastern	Water	X	6020B/3010A (MOD) 7 IC PMS Metals	1	
AF27200 (680-214695-2)	3/1/22	11 54	Eastern	Water	X		1	
AF27201 (680-214695-3)	3/1/22	13 01	Eastern	Water	X		1	
AF27202 (680-214695-4)	2/28/22	13 02	Eastern	Water	X		1	
AF27203 (680-214695-5)	2/28/22	13 07	Eastern	Water	X		1	
AF27204 (680-214695-6)	2/28/22	12 11	Eastern	Water	X		1	
AF27205 (680-214695-7)	2/28/22	15 21	Eastern	Water	X		1	
AF27206 (680-214695-8)	2/28/22	14 02	Eastern	Water	X		1	
AF27207 (680-214695-9)	2/28/22	10 29	Eastern	Water	X		1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/est/markup being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification

Deliverable Requested I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 1
 Special Instructions/OC Requirements: _____

Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____
 Relinquished by: *MD* Date/Time: *5/23-22 17:00* Company: *Seal* Received by: *He* Date/Time: *5/24 10:30* Company: _____
 Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____

Custody Seals Intact: _____ Custody Seal No _____ Cooler Temperature(s) °C and Other Remarks: *LCV/15.8*

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

Eurofins Pittsburgh
 301 Alpha Drive RIDC Park
 Pittsburgh PA 15238
 Phone: 412-963-7058 Fax: 412-963-2468

Chain of Custody Record



Client Information (Sub Contract Lab)

Client Contact: **Shelving/Receiving** Phone: _____ Lab P# _____
 Company: **Eurofins Environment Testing Southeast** Email: **Jerry Lanier@et.eurofins.com** Carrier Tracking No(s): _____
 Address: **5102 LaRoche Avenue** State of Origin: **South Carolina**
 City: **Savannah** TAT Requested (days): _____
 State Zip: **GA, 31404** PO #: _____
 Phone: **912-354-7658(Tel) 912-352-0165(Fax)** W/O #: _____
 Email: _____
 Project Name: **12S915/JM02_08 G01 1/36500** Project #: **68008190**
 Site: **SSCOW#:** _____

Due Date Requested	Analysis Requested	CCQ No:
5/5/2022		180-4621442
		Page 2 of 3
		Job #:
		680-214695-1
		Preservation Codes
		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Triaza Z - other (specify)

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Mineral, Soil, Organic, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note
AF27208 (680-214695-10)	3/1/22	14:37	Eastern	Water	X	6020B/3010A (MOD) 7 IC PMS Metals	1	
AF27209 (680-214695-11)	2/24/22	13:37	Eastern	Water	X		1	
AF27210 (680-214695-12)	2/24/22	13:42	Eastern	Water	X		1	
AF27211 (680-214695-13)	2/23/22	12:18	Eastern	Water	X		1	
AF27212 (680-214695-14)	2/22/22	15:14	Eastern	Water	X		1	
AF27213 (680-214695-15)	3/7/22	10:37	Eastern	Water	X		1	
AF27214 (680-214695-16)	2/22/22	12:04	Eastern	Water	X		1	
AF27215 (680-214695-17)	2/23/22	14:00	Eastern	Water	X		1	
AF27216 (680-214695-18)	2/22/22	13:40	Eastern	Water	X		1	

Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyze & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification

Deliverable Requested I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 1

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *[Signature]* Date/Time: *5/23/22 07:00* Company: *[Signature]*

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

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

Custody Seals Intact: Yes No Custody Seal No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Dispose By Lab Archive For _____ Months

Special Instructions/QC Requirements: _____

Method of Shipment: _____

Received by: *[Signature]* Date/Time: *5/23/22 06:13* Company: _____

Received by: _____ Date/Time: _____ Company: _____

Received by: _____ Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: *16.7 / 15.8*

Eurofins Pittsburgh
 301 Alpha Drive RIDC Park
 Pittsburgh, PA 15238
 Phone 412-963-7058 Fax: 412-963-2468

Chain of Custody Record



Client Information (Sub Contract Lab)

Client Contact: _____ Phone: _____ Lab Ptl. Lanier, Jerry A
 Shipping/Receiving _____ Email: Jerry.Lanier@el.eurofinsus.com State of Origin: South Carolina
 Company: Eurofins Environment Testing Southeast Accreditations Required (See note): NELAP - Florida, State - South Carolina, State Program

Address: 5102 LaRoche Avenue, Due Date Requested 5/5/2022
 City: Savannah, GA, 31404 TAT Requested (days):
 State Zip: GA, 31404 PO #:
 Phone: 912-354-7658(Tel) 912-352-0166(Fax) WO #:
 Email: _____

Project Name: 125915JM02.08 G01 1/36500 Project #: 68008190
 Site: _____ SSSOW#:
 Analysis Requested
 Field Filtered Sample (Yes or No)
 Perform MS/MSD (Yes or No)
 6020B/3010A (MOD) 7 ICPMS Metals
 Carrier/Tracking No(s):
 COC No: 180-462144-3
 Page: Page 3 of 3
 Job #: 680-214695-1
 Preservation Codes:
 A - HCl M - Hexane
 B - NaOH N - None
 C - Zn/Acetate O - AsHAcO2
 D - Nitric Acid P - Na2O4S
 E - NaHSO4 Q - Na2SO3
 F - MeOH R - Na2S2O3
 G - Amchlor S - H2SO4
 H - Ascorbic Acid T - TSP Dodecylsulfate
 I - Ice U - Acetone
 J - DI Water V - WCAA
 K - EDTA W - pH 4.5
 L - EDA Y - Trizma
 Z - other (Specify)
 Other _____

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Seawater, Overwater, BT=Blank, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
AF27217 (680-214695-19)	2/22/22	10-18	Water	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	
AF27218 (680-214695-20)	3/1/22	15 55	Water	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	
AF27219 (680-214695-21)	2/24/22	14 59	Water	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	
AF27220 (680-214695-22)	2/24/22	15 04	Water	Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	

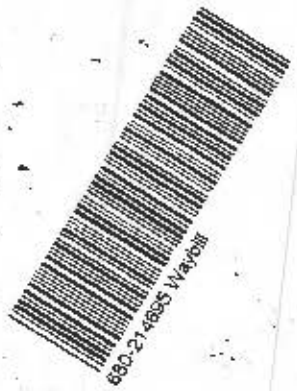
Note: Since laboratory accreditations are subject to change, Eurofins Pittsburgh places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Pittsburgh laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Pittsburgh attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Pittsburgh.

Possible Hazard Identification
 Unconfirmed _____
 Deliverable Requested I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 1
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements _____

Empty Kit Relinquished by _____ Date: _____ Method of Shipment _____
 Relinquished by _____ Date/Time: _____ Received by _____ Date/Time: _____
 Relinquished by _____ Date/Time: _____ Received by _____ Date/Time: _____

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

Custody Seals Intact: _____ Custody Seal No _____ Cooler Temperature(s) °C and Other Remarks: _____
 A Yes A No



Part # 150489-434 RITZ EXP 04/22

TestAmerica
RT 98
10:30 2941 05.03
THE LEADER IN FIVE ROMYATAI TESTING

ORIGIN ID: 6AWA (912) 354-7858
SHIPPING EUROFINS/TESTAMERICA
5102 LA ROUCHE AVE
SAVANNAH, GA 31404
UNITED STATES US

SHIP DATE: 02MAY22
ACTWT: 15.00 LB. MAIN
CAD: 0801261/CAFES311

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTHE
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
REF: 568D-136598

(412) 959-7068
PU: YES

UNCONNECTED temp 14.0 °C
Thermometer No. 16
CF-14 Initials Mo
PT-WI-SP-001 effective 11/6/18

TRAK 1328 9414 2941

TUE -- 03 MAY 10:30A
PRIORITY OVERNIGHT

XN AGCA

15238
PA-US
PIT



Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:		
Client Contact: Shipping/Receiving		Phone:		E-Mail:		State of Origin:		Page:		
Company: Eurofins Environment Testing Northeast		Accreditation(s) Required (See notes): NELAP - Florida; State - South Carolina; State Program ...		Job #:				Page 2 of 2		
Address: 301 Alpha Drive, RIDC Park,		Due Date Requested: 5/5/2022		Analysis Requested					Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - As NaO2 D - Nitric Acid P - Na2Ox5 E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - Cl Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
City: Pittsburgh		TAT Requested (days):								
State, Zip: PA, 15238		PO #:		Field Filled Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of Containers		
Phone: 412-963-7058(Tel) 412-963-2488(Fax)		WO #:		800/890/9100 (MOD) / IC PMS Metals						
Email:		Project #:								
Project Name: 125915/JM02.08.G01.1/36500		Site:								
Site:		SSOW#:								
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Coop, G=grab)	Matrix (W=Water, S=solid, O=Other)	Preservation Code:			Special Instructions/Note:	
AF27196 (680-214692-10)		2/21/22	14:48 Eastern	Water		X			1	
AF27197 (680-214692-11)		2/21/22	14:53 Eastern	Water		X			1	
AF27198 (680-214692-12)		2/17/22	12:23 Eastern	Water		X			1	
<p><small>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analysis & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/respirators being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody agreeing to said compliance to Eurofins Environment Testing Southeast, LLC.</small></p>										
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 1			Special Instructions/QC Requirements:					
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:				
Relinquished by:		Date/Time: 5/2 1000		Company:		Received by: DW		Date/Time: 5-3-22 900		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		
Custody Seals Intact: A Yes A No		Custody Seal No:			Cooler Temperature(s) °C and Other Remarks:					

Eurofins Savannah

5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

*Met
1304*

Chain of Custody Record



eurofins
Environment Testing
America

Client Information (Sub Contract Lab)	Sampler:	Lab PM:	36.1
Client Contact:	Phone:	Lanier, Jerry A	
Shipping/Receiving		E-Mail:	3
Company:		Jerry.Lanier@eurofinsus.com	
Eurofins Environment Testing Northeast	Accreditations Required (See NELAP - Florida, State -)		660-214695 Chain of Custody
Address:	Due Date Requested:	660-214695-1	
301 Aloha Drive. RIDC Park,	5/8/2022		
City:	AT Requested (days):		
Pittsburgh			
State, Zip:			
PA, 15238			
Phone:	PO #:		
412-963-7058(Tel) 412-963-2458(Fax)			
Email:	WO #:		
Project Name:	Project #:		
125915/JM02.DB.G01.1/36500	66C08190		
Site:	SSCW#:		

Analysis Requested	Preservation Codes:
	A - HCL M - Hexane
	B - NaOH N - None
	C - Zn Acetate O - AsNaO2
	D - Nitric Acid P - Na2O4S
	E - NaHSO4 Q - Na2SO3
	F - MeOH R - Na2S2O3
	G - Amchlor S - H2SO4
	H - Ascorbic Acid T - TSP Dodecahydrate
	I - Ice U - Acetone
	J - DI Water V - MCAA
	K - EDTA W - pH 4-5
	L - BGA Z - other (specify)
	Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soils, Dioxins, PCBs, etc.)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of Containers	Special Instructions/Note:
AF27199 (660-214695-1)	3/1/22	11:49 Eastern		Water		X	1	
AF27200 (660-214695-2)	3/1/22	11:54 Eastern		Water		X	1	
AF27201 (660-214695-3)	3/1/22	13:01 Eastern		Water		X	1	
AF27202 (660-214695-4)	2/28/22	13:02 Eastern		Water		X	1	
AF27203 (660-214695-5)	2/28/22	13:07 Eastern		Water		X	1	
AF27204 (660-214695-6)	2/28/22	12:11 Eastern		Water		X	1	
AF27205 (660-214695-7)	2/28/22	15:21 Eastern		Water		X	1	
AF27206 (660-214695-8)	2/28/22	14:02 Eastern		Water		X	1	
AF27207 (660-214695-9)	2/28/22	10:29 Eastern		Water		X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. The sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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:	Vehicle of Shipment:
Relinquished by: <i>[Signature]</i>	5/2	10:00	
Relinquished by:	Date/Time:	Company:	Received by: <i>[Signature]</i>
			5-3-22
Relinquished by:	Date/Time:	Company:	Received by:
			9:00
Relinquished by:	Date/Time:	Company:	Received by:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:	

Eurofins Savannah

5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912-354-7858 Fax: 912-352-0165

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:		Lab PM:		Carrier Tracking No(s):		DOC No	
Client Contact		Phone:		E-Mail:		State of Origin:		Page	
Shipping/Receiving		Company:		Accreditations Required (See note):		Loc #:		Page 2 of 3	
Eurofins Environment Testing Northeast		Due Date Requested: 5/5/2022		NELAP - Florida; State - South Carolina; State Program ...		Analysis Requested		Preservation Codes:	
Address: 301 Alpha Drive, RIDC Park,		City: Pittsburgh		State, Zip: PA, 15235		Phone: 412-953-7058 (Tel) 412-563-2468 (Fax)		Email:	
Project Name: 1268-5/JM02.0B GC 1.1/36500		Project #: 66006190		Site: SSOV#		Field Filtered Sample (Yes or No)		Total Number of Containers	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (Water, Soils, etc.)	
AF27204 (680-214695-10)		3/1/22		14:37 Eastern		Water		Water	
AF27209 (680-214695-11)		2/24/22		13:37 Eastern		Water		Water	
AF27210 (680-214695-12)		2/24/22		13:42 Eastern		Water		Water	
AF27211 (680-214695-13)		2/23/22		12:18 Eastern		Water		Water	
AF27212 (680-214695-14)		2/22/22		15:14 Eastern		Water		Water	
AF27213 (680-214695-15)		3/7/22		10:37 Eastern		Water		Water	
AF27214 (680-214895-16)		2/22/22		12:04 Eastern		Water		Water	
AF27215 (680-214695-17)		2/23/22		14:00 Eastern		Water		Water	
AF27216 (680-214695-18)		2/22/22		13:40 Eastern		Water		Water	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analysis & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC</p>									
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 1		Special Instructions/QC Requirements:					
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <u>[Signature]</u>		Date/Time: <u>5/3/22</u>		Company: <u>[Signature]</u>		Received by: <u>[Signature]</u>		Date/Time: <u>5-3-22</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time: <u>9:00</u>	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact Δ Yes Δ No		Custody Seal No:		Cooler Temperature(s) °C and Other Remarks:					

Eurofins Savannah

5102 LaRache Avenue
Savannah, GA 31404
Phone: 912-354-7698 Fax: 912-352-0165

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler Lab PM: Lanier, Jerry A		Carrier Tracking No(s):		COC No: 680-692596.3																												
Client Contact Shipping/Receiving		Phone: E-Mail: Jerry.Lanier@et.eurofinsus.com		State of Origin: South Carolina		Page: Page 3 of 3																												
Company: Eurofins Environment Testing Northeast				Accreditation Required (See Note): NELAP - Florida; State - South Carolina; State Program ...																														
Address: 301 Alpha Drive, RIDG Park, City: Pittsburgh State Zip: PA, 15238 Phone: 412-963-7058(Tel) 412-963-2488(Fax) Email:		Due Date Requested: 5/8/2022 TAT Requested (days):		Analysis Requested																														
Project Name: 125915/JMC2.08.GC1.1/36500 Site:		Project #: 68008190 SSOW#:																																
				Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) SCORADONA / INFMS Metals		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - 2% Acetate O - As ₂ O ₃ D - Nitric Acid P - Na ₂ O ₄ E - NaHSO ₄ Q - Na ₂ SO ₃ F - MeOH R - Na ₂ S ₂ O ₃ G - Amchlor S - H ₂ SO ₄ H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:																												
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (see water, metals, organics, etc.)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		SCORADONA / INFMS Metals		Total Number of Containers		Special Instructions/Notes:																
AF27217 (680-214695-19)		2/22/22		10:18 Eastern				Water				X				1																		
AF27218 (680-214695-20)		3/1/22		15:55 Eastern				Water				X				1																		
AF27219 (680-214695-21)		2/24/22		14:59 Eastern				Water				X				1																		
AF27220 (680-214695-22)		2/24/22		15:04 Eastern				Water				X				1																		
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.</p>																																		
Possible Hazard Identification										Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																								
Unconfirmed										<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																								
Deliverable Requested: I, II, III, IV, Other (specify)										Primary Deliverable Rank: 1					Special Instructions/QC Requirements:																			
Empty Kit Relinquished by:										Date:					Time:					Method of Shipment:														
Relinquished by:										Date/Time: 5/2 1:00					Company:					Received by: DW					Date/Time: 5-3-20					Company: GBTAP				
Relinquished by:										Date/Time:					Company:					Received by:					Date/Time: 9:00					Company:				
Relinquished by:										Date/Time:					Company:					Received by:					Date/Time:					Company:				
Custody Seals Intact: Δ Yes Δ No										Custody Seal No.:										Cooler Temperature(s) °C and Other Remarks:														

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-214695-1

Login Number: 214695

List Number: 1

Creator: Sims, Robert D

List Source: Eurofins Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-214695-1

Login Number: 214695
List Number: 2
Creator: Watson, Debbie

List Source: Eurofins Pittsburgh
List Creation: 05/03/22 05:29 PM

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?	N/A	
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/JM02.08.G01.1/36500

Job ID: 680-214695-1

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 Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
South Carolina	State	89014	05-19-22

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



April 01, 2022

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

Re: ABS Lab Analytical
Work Order: 572251

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 04, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

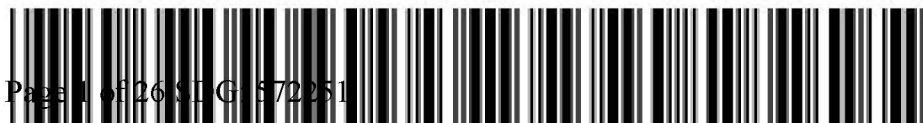
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

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: 572251 GEL Work Order: 572251

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: April 1, 2022

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

Client Sample ID: AF27207	Project: SOOP00119
Sample ID: 572251001	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 28-FEB-22 10:29	
Receive Date: 04-MAR-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		3.88	+/-1.33	1.64	3.00	pCi/L			JXC9	03/31/22	1037	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.65	+/-1.46			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.77	+/-0.605	0.356	1.00	pCi/L			LXP1	03/23/22	0850	2238657	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

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

Certificate of Analysis

Report Date: April 1, 2022

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

Client Sample ID: AF27202	Project: SOOP00119
Sample ID: 572251002	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 28-FEB-22 13:02	
Receive Date: 04-MAR-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		2.30	+/-1.28	1.87	3.00	pCi/L			JXC9	03/31/22	1037	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.64	+/-1.30			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.343	+/-0.224	0.274	1.00	pCi/L			LXP1	03/23/22	0922	2238657	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"			69.7	(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: April 1, 2022

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

Client Sample ID: AF27203	Project: SOOP00119
Sample ID: 572251003	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 28-FEB-22 13:07	
Receive Date: 04-MAR-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		2.63	+/-1.18	1.63	3.00	pCi/L			JXC9	03/31/22	1037	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.73	+/-1.23			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.10	+/-0.359	0.265	1.00	pCi/L			LXP1	03/23/22	0922	2238657	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"			78.7	(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: April 1, 2022

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

Client Sample ID: AF27204	Project: SOOP00119
Sample ID: 572251004	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 28-FEB-22 12:11	
Receive Date: 04-MAR-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	1.44	+/-1.61	2.70	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.70	+/-1.66			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.25	+/-0.383	0.223	1.00	pCi/L			LXP1	03/23/22	0922	2238657	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"			68.2	(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

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

Certificate of Analysis

Report Date: April 1, 2022

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

Client Sample ID: AF27206	Project: SOOP00119
Sample ID: 572251005	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 28-FEB-22 14:02	
Receive Date: 04-MAR-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		2.95	+/-1.38	1.96	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.83	+/-1.45			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.88	+/-0.437	0.197	1.00	pCi/L			LXP1	03/23/22	0922	2238657	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"			72.4	(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: April 1, 2022

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

Client Sample ID: AF27205	Project: SOOP00119
Sample ID: 572251006	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 28-FEB-22 15:21	
Receive Date: 04-MAR-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	0.984	+/-1.51	2.60	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		6.26	+/-1.69			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		5.28	+/-0.746	0.412	1.00	pCi/L			LXP1	03/23/22	0922	2238657	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: April 1, 2022

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

Client Sample ID: AF27199	Project: SOOP00119
Sample ID: 572251007	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 01-MAR-22 11:49	
Receive Date: 04-MAR-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		3.56	+/-1.39	1.91	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.18	+/-1.43			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.620	+/-0.322	0.406	1.00	pCi/L			LXP1	03/23/22	0922	2238657	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"			80.6	(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: April 1, 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: AF27200	Project: SOOP00119
Sample ID: 572251008	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 01-MAR-22 11:54	
Receive Date: 04-MAR-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		4.38	+/-1.76	2.54	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		5.56	+/-1.81			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.17	+/-0.405	0.431	1.00	pCi/L			LXP1	03/23/22	0922	2238657	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"			78.4	(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: April 1, 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: AF27201	Project: SOOP00119
Sample ID: 572251009	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 01-MAR-22 13:01	
Receive Date: 04-MAR-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		2.81	+/-1.54	2.30	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.12	+/-1.60			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.31	+/-0.411	0.245	1.00	pCi/L			LXP1	03/23/22	0954	2238657	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"			64.2	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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Certificate of Analysis

Report Date: April 1, 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: AF27208	Project: SOOP00119
Sample ID: 572251010	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 01-MAR-22 14:37	
Receive Date: 04-MAR-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		3.12	+/-1.63	2.37	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.18	+/-1.67			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.06	+/-0.370	0.343	1.00	pCi/L			LXP1	03/23/22	0954	2238657	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"			57.7	(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: April 1, 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: AF27218	Project: SOOP00119
Sample ID: 572251011	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 01-MAR-22 15:55	
Receive Date: 04-MAR-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	+/-1.68	2.78	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.23	+/-1.70			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.494	+/-0.261	0.278	1.00	pCi/L			LXP1	03/23/22	0954	2238657	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"			53.9	(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: April 1, 2022

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

Client Sample ID: AF27226	Project: SOOP00119
Sample ID: 572251012	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 02-MAR-22 11:20	
Receive Date: 04-MAR-22	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228		2.46	+/-1.12	1.55	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.81	+/-1.14			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.355	+/-0.211	0.243	1.00	pCi/L			LXP1	03/23/22	0954	2238657	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"			80.8	(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: April 1, 2022

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

Client Sample ID: AF27227	Project: SOOP00119
Sample ID: 572251013	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 02-MAR-22 11:25	
Receive Date: 04-MAR-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		2.10	+/-1.08	1.51	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.59	+/-1.12			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.496	+/-0.264	0.304	1.00	pCi/L			LXP1	03/23/22	0954	2238657	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"			71	(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: April 1, 2022

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

Client Sample ID: AF27225	Project: SOOP00119
Sample ID: 572251014	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 02-MAR-22 12:31	
Receive Date: 04-MAR-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		3.75	+/-1.89	2.82	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.67	+/-1.92			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.919	+/-0.375	0.437	1.00	pCi/L			LXP1	03/23/22	0954	2238657	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"			60.8	(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: April 1, 2022

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

Client Sample ID: AF27224	Project: SOOP00119
Sample ID: 572251015	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 02-MAR-22 13:54	
Receive Date: 04-MAR-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	1.79	+/-1.29	2.01	3.00	pCi/L			JXC9	03/31/22	1038	2238666	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.13	+/-1.36			pCi/L			NXL1	03/31/22	1508	2238665	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.35	+/-0.416	0.352	1.00	pCi/L			LXP1	03/23/22	0954	2238657	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"			62.1	(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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QC Summary

Report Date: April 1, 2022

Page 1 of 2

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

Contact: Ms. Jeanette Gilmetti

Workorder: 572251

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2238666										
QC1205036858	572251001	DUP									
Radium-228		3.88		3.94	pCi/L	1.46		(0% - 100%)	JXC9	03/31/22	10:37
	Uncertainty	+/-1.33		+/-1.30							
QC1205036859	LCS										
Radium-228	46.6			40.0	pCi/L		86	(75%-125%)		03/31/22	10:37
	Uncertainty			+/-3.81							
QC1205036857	MB										
Radium-228				2.03	pCi/L					03/31/22	10:37
	Uncertainty			+/-1.27							
Rad Ra-226											
Batch	2238657										
QC1205036840	572251001	DUP									
Radium-226		2.77		2.70	pCi/L	2.27		(0%-20%)	LXPI	03/23/22	10:26
	Uncertainty	+/-0.605		+/-0.521							
QC1205036842	LCS										
Radium-226	26.4			23.2	pCi/L		87.8	(75%-125%)		03/23/22	10:26
	Uncertainty			+/-1.56							
QC1205036839	MB										
Radium-226			U	0.412	pCi/L					03/23/22	10:26
	Uncertainty			+/-0.306							
QC1205036841	572251001	MS									
Radium-226	133	2.77		104	pCi/L		76.6	(75%-125%)		03/23/22	10:26
	Uncertainty	+/-0.605		+/-7.59							

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported
- BD Results are either below the MDC or tracer recovery is low
- FA Failed analysis.

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QC Summary

Workorder: 572251

Page 2 of 2

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
H		Analytical holding time was exceeded									
J		See case narrative for an explanation									
J		Value is estimated									
K		Analyte present. Reported value may be biased high. Actual value is expected to be lower.									
L		Analyte present. Reported value may be biased low. Actual value is expected to be higher.									
M		M if above MDC and less than LLD									
M		REMP Result > MDC/CL and < RDL									
N/A		RPD or %Recovery limits do not apply.									
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 #: 572251**

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified

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

Analytical Batch: 2238666

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
572251001	AF27207
572251002	AF27202
572251003	AF27203
572251004	AF27204
572251005	AF27206
572251006	AF27205
572251007	AF27199
572251008	AF27200
572251009	AF27201
572251010	AF27208
572251011	AF27218
572251012	AF27226
572251013	AF27227
572251014	AF27225
572251015	AF27224
1205036857	Method Blank (MB)
1205036858	572251001(AF27207) Sample Duplicate (DUP)
1205036859	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.

Preparation Information

Homogenous Matrix

Samples were non-homogenous matrix. Samples contain sedimentation.

Quality Control (QC) Information

Method Blank Criteria

The blank result (See Below) is greater than the MDC but less than the required detection limit.

Sample	Analyte	Value
1205036857 (MB)	Radium-228	Result: 2.03 pCi/L > MDA: 1.91 pCi/L <= RDL: 3.00 pCi/L

Technical Information

Recounts

Samples were re-eluted and recounted to verify sample results. The recounts are reported.

Product: Lucas Cell, Ra226, Liquid

Analytical Method: EPA 903.1 Modified

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

Analytical Batch: 2238657

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
572251001	AF27207
572251002	AF27202
572251003	AF27203
572251004	AF27204
572251005	AF27206
572251006	AF27205
572251007	AF27199
572251008	AF27200
572251009	AF27201
572251010	AF27208
572251011	AF27218
572251012	AF27226
572251013	AF27227
572251014	AF27225
572251015	AF27224
1205036839	Method Blank (MB)
1205036840	572251001(AF27207) Sample Duplicate (DUP)
1205036841	572251001(AF27207) Matrix Spike (MS)
1205036842	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.

Preparation Information

Homogenous Matrix

Samples were non-homogenous matrix.

Technical Information

Recounts

Samples 1205036839 (MB), 1205036842 (LCS) and 572251006 (AF27205) were degassed and recounted to verify sample results. The recount results are similar to the original results. Original results are reported

Miscellaneous Information

Additional Comments

The matrix spike, 1205036841 (AF27207MS), 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.

Chain of Custody

572251



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 121567 / JM02.09.GP1 / 36500 Rerun request for any flagged QC: Yes No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226	RAD 228	TOTAL RAD CALC.
AF27207	WAP-15	2/28/22	1029	BRT/ B58	2	P	G	GW	2		X	X	X
202	WAP-14		1202										
203	14 DUP		1307										
204	WAP-14A		1211										
206	14B		1402										
205	14C		1521										
AF27199	WAP-12	3/1/22	1149										
200	12 DUP		1154										
201	13		1301										
208	16		1437										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	25594	3/4/22	0945	<i>[Signature]</i>	GEL	3/4/22	0945
<i>[Signature]</i>	GEL	3-4-22	1407	<i>[Signature]</i>	GEL	3-4-22	1449
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 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	Nutrients TOC DOC TP/TP04 NH3-N F Cl NO2 Br NO3 SO4	MISC. <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	Gypsum Wallboard Gypsum(all below) <input type="checkbox"/> AlM <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> AS <input type="checkbox"/> TSS	Oil Trans. Oil Qual. <input type="checkbox"/> Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dissolved Gases <input type="checkbox"/> H ₂ Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals metal <input type="checkbox"/> (As, Cd, Cr, Ni, Pb) <input type="checkbox"/> H ₂ <input type="checkbox"/> JTY OTHER
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Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 121567 / JM02.09.G01 / 36506 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	TRAD 226	TRAD 228	TOTAL RAD CALC
AFZ1218	WAF-25	3/1/22	1555	EAT/BSB	2	P	G	GW	2		X	X	X
226	WLF-A1-4	3/2/22	1120										
227	- 4 DUP		1125										
225	- 3		1231										
224	- 2		1354										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35394	3/4/22	0945	<i>[Signature]</i>	GEL	3/4/22	0945
<i>[Signature]</i>	661	3-4-22	1447	<i>[Signature]</i>	GEL	3-4-22	1447

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	Nutrients TOC DOC TP/TPO4 NH3-N F Cl NO2 Br NO3 SO4	MISC. <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	Gypsum Wallboard Gypsum (all below) <input type="checkbox"/> AlI <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"/> Sulfates <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HOI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> Ar <input type="checkbox"/> TSS	Oil Trace Oil Qual <input type="checkbox"/> % Moisture <input type="checkbox"/> Total <input type="checkbox"/> Acidity <input type="checkbox"/> Residue on Ignition <input type="checkbox"/> Dissolved Gases Used Oil <input type="checkbox"/> Viscosity <input type="checkbox"/> Methanol Sol <input type="checkbox"/> Total Petroleum Hydrocarbons (TPH) <input type="checkbox"/> TAN <input type="checkbox"/> TBN
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JAR

SAMPLE RECEIPT & REVIEW FORM

Client: <u>SOOP</u>		SDG/AR/COC/Work Order: <u>572251</u>		
Received By: <u>DC</u>		Date Received: <u>3-4-22</u>		
Carrier and Tracking Number		FedEx Express FedEx Ground URS Field Services Courier Other <u> cooler #1 = 5° cooler #3 = 20°</u> <u> cooler #2 = 5° cooler #4 = 19°</u>		
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>0</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	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: <u>Wet Ice</u> Ice Packs Dry ice <u>None</u> 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 checked="" type="checkbox"/>	Temperature Device Serial #: <u>IR6-21</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># COC 15 nap #</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 GB Date 3/7/22 Page 2 of 1

List of current GEL Certifications as of 01 April 2022

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



January 10, 2023

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

Re: ABS Lab Analytical
Work Order: 603698

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on December 09, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

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

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

Sincerely,

Julie Robinson
Project Manager

Purchase Order: 398684
Enclosures

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: 603698 GEL Work Order: 603698

The Qualifiers in this report are defined as follows:

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

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: January 9, 2023

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: AF50607	Project: SOOP00119
Sample ID: 603698001	Client ID: SOOP001
Matrix: GW	
Collect Date: 06-DEC-22 10:22	
Receive Date: 09-DEC-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	1.97	+/-1.34	2.13	3.00	pCi/L			JE1	12/30/22	1317	2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.82	+/-1.47			pCi/L		1	NXL1	01/09/23	1253	2354613	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.85	+/-0.594	0.335	1.00	pCi/L			LXP1	12/19/22	0936	2354602	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"			86.2	(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

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

Certificate of Analysis

Report Date: January 9, 2023

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: AF50606	Project: SOOP00119
Sample ID: 603698002	Client ID: SOOP001
Matrix: GW	
Collect Date: 06-DEC-22 11:34	
Receive Date: 09-DEC-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	+/-1.40	1.74	3.00	pCi/L			JE1	12/30/22	1317 2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		9.29	+/-1.57			pCi/L		1	NXL1	01/09/23	1253 2354613	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		4.88	+/-0.720	0.210	1.00	pCi/L			LXP1	12/19/22	0936 2354602	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"			85.2	(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

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

Certificate of Analysis

Report Date: January 9, 2023

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: AF50605	Project: SOOP00119
Sample ID: 603698003	Client ID: SOOP001
Matrix: GW	
Collect Date: 06-DEC-22 13:25	
Receive Date: 09-DEC-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	0.730	+/-1.10	1.90	3.00	pCi/L			JE1	12/30/22	1318	2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.08	+/-1.24			pCi/L		1	NXL1	01/09/23	1253	2354613	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.35	+/-0.561	0.414	1.00	pCi/L			LXP1	12/19/22	1009	2354602	3

The following Analytical Methods were performed:

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

Surrogate/Tracer	Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer		GFPC, Ra228, Liquid "As Received"			86.4	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: January 9, 2023

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: AF50604	Project: SOOP00119
Sample ID: 603698004	Client ID: SOOP001
Matrix: GW	
Collect Date: 06-DEC-22 14:34	
Receive Date: 09-DEC-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		1.38	+/-0.850	1.27	3.00	pCi/L			JE1	12/30/22	1318 2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		2.80	+/-0.941			pCi/L		1	NXL1	01/09/23	1253 2354613	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		1.42	+/-0.404	0.266	1.00	pCi/L			LXP1	12/19/22	1009 2354602	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"			95	(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: January 9, 2023

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: AF50602	Project: SOOP00119
Sample ID: 603698005	Client ID: SOOP001
Matrix: GW	
Collect Date: 07-DEC-22 10:07	
Receive Date: 09-DEC-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		2.21	+/-0.915	1.19	3.00	pCi/L			JE1	12/30/22	1318	2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.52	+/-1.00			pCi/L		1	NXL1	01/09/23	1253	2354613	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.31	+/-0.409	0.291	1.00	pCi/L			LXP1	12/19/22	1009	2354602	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"			96.1	(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: January 9, 2023

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: AF50603	Project: SOOP00119
Sample ID: 603698006	Client ID: SOOP001
Matrix: GW	
Collect Date: 07-DEC-22 10:12	
Receive Date: 09-DEC-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		3.11	+/-1.19	1.58	3.00	pCi/L			JE1	12/30/22	1318 2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		4.03	+/-1.24			pCi/L		1	NXL1	01/09/23	1253 2354613	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		0.922	+/-0.365	0.315	1.00	pCi/L			LXP1	12/19/22	1009 2354602	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"			94.4	(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: January 9, 2023

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: AF50608	Project: SOOP00119
Sample ID: 603698007	Client ID: SOOP001
Matrix: GW	
Collect Date: 07-DEC-22 13:42	
Receive Date: 09-DEC-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		2.88	+/-1.36	1.94	3.00	pCi/L			JE1	12/30/22	1318	2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		5.82	+/-1.48			pCi/L		1	NXL1	01/09/23	1253	2354613	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.94	+/-0.590	0.322	1.00	pCi/L			LXP1	12/19/22	1009	2354602	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"			75.3	(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

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: January 9, 2023

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: AF50609	Project: SOOP00119
Sample ID: 603698008	Client ID: SOOP001
Matrix: GW	
Collect Date: 07-DEC-22 13:47	
Receive Date: 09-DEC-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		2.04	+/-1.29	2.00	3.00	pCi/L			JE1	12/30/22	1318 2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		6.07	+/-1.46			pCi/L		1	NXL1	01/09/23	1253 2354613	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		4.03	+/-0.687	0.284	1.00	pCi/L			LXP1	12/19/22	1009 2354602	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"			82.4	(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: January 9, 2023

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: AF50610	Project: SOOP00119
Sample ID: 603698009	Client ID: SOOP001
Matrix: GW	
Collect Date: 07-DEC-22 15:03	
Receive Date: 09-DEC-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	-0.410	+/-0.632	1.35	3.00	pCi/L			JE1	12/30/22	1318	2354612	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.35	+/-0.925			pCi/L		1	NXL1	01/09/23	1253	2354613	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		3.35	+/-0.675	0.404	1.00	pCi/L			LXP1	12/19/22	1009	2354602	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"			92.9	(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

QC Summary

Report Date: January 9, 2023

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

Contact:
Workorder: 603698

Paramname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2354612										
QC1205268192	603698001	DUP									
Radium-228	U	1.97	U	1.00	pCi/L	N/A		N/A	JE1	12/30/22	13:17
	Uncertainty	+/-1.34		+/-0.897							
QC1205268193	LCS										
Radium-228	21.8			18.5	pCi/L		84.7	(75%-125%)		12/30/22	13:17
	Uncertainty			+/-1.21							
QC1205268190	MB										
Radium-228			U	0.296	pCi/L					12/30/22	13:17
	Uncertainty			+/-0.267							
Rad Ra-226											
Batch	2354602										
QC1205268164	603698001	DUP									
Radium-226		2.85		3.51	pCi/L	20.9*		(0%-20%)	LXP1	12/19/22	10:41
	Uncertainty	+/-0.594		+/-0.651							
QC1205268167	LCS										
Radium-226	26.5			25.9	pCi/L		97.7	(75%-125%)		12/19/22	10:41
	Uncertainty			+/-1.56							
QC1205268162	MB										
Radium-226			U	0.191	pCi/L					12/19/22	10:09
	Uncertainty			+/-0.193							
QC1205268166	603698001	MS									
Radium-226	133	2.85		122	pCi/L		89.5	(75%-125%)		12/19/22	10:41
	Uncertainty	+/-0.594		+/-8.71							

- Notes:**
- Counting Uncertainty is calculated at the 95% confidence level (1.96-sigma).
 - The Qualifiers in this report are defined as follows:
 - U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
 - J Value is estimated
 - X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
 - H Analytical holding time was exceeded
 - < Result is less than value reported

GEL LABORATORIES LLC

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QC Summary

Workorder: 603698

Page 2 of 2

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
>											
UI											
BD											
h											
R											
^											
N/A											
ND											
M											
NJ											
FA											
UJ											
Q											
K											
UL											
L											
NI											
Y											
**											
M											
J											

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 #: 603698**

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified

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

Analytical Batch: 2354612

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
603698001	AF50607
603698002	AF50606
603698003	AF50605
603698004	AF50604
603698005	AF50602
603698006	AF50603
603698007	AF50608
603698008	AF50609
603698009	AF50610
1205268190	Method Blank (MB)
1205268192	603698001(AF50607) Sample Duplicate (DUP)
1205268193	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.

Preparation Information

Homogenous Matrix

Sample 603698009 (AF50610) was non-homogenous matrix. Samples were yellow and cloudy 603698009 (AF50610).

Product: Lucas Cell, Ra226, Liquid

Analytical Method: EPA 903.1 Modified

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

Analytical Batch: 2354602

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
603698001	AF50607

603698002	AF50606
603698003	AF50605
603698004	AF50604
603698005	AF50602
603698006	AF50603
603698007	AF50608
603698008	AF50609
603698009	AF50610
1205268162	Method Blank (MB)
1205268164	603698001(AF50607) Sample Duplicate (DUP)
1205268166	603698001(AF50607) Matrix Spike (MS)
1205268167	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.

Preparation Information

Homogenous Matrix

Sample 603698009 (AF50610) was non-homogenous matrix. Samples 603698009 (AF50610) were yellow and cloudy.

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
1205268164 (AF50607DUP)	Radium-226	RPD 20.9* (0%-20%) RER 1.12 (0-3)

Miscellaneous Information

Additional Comments

Aliquots for the matrix spikes, 1205268166 (AF50607MS), 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.



Chain of Custody

60369D

Customer Email/Report Recipient: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LINDA.WILLIAMS@santecooper.com _____ / _____ / _____ 125915 / JMO2.09.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	RAD 226/228	TOTAL RAD CALL
AF50607	WAP-29	12/6/22	1022	WJK BM	2	P	G	GW	2		X	X
06	WAP-28		1134									
05	WAP-27		1325									
04	WLF-A2-2 WAP		1434									
AF50602	WLF-A2-1	12/7/22	1007									
03	WLF-A2-1 DUP		1012									
08	CGYP-7		1342									
09	CGYP-7 DUP		1347									
10	CCMAP-8		1503									

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	35594	12/9/22	0953	<i>Sibrown</i>	GEL	12/9/22	0955
<i>WJK</i>	641	12/9/22	1440	<i>WJK</i>		12/9/22	1440

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	Nutrients <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	MISC. <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	Gypsum <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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
--	--	--	---	---	--	---

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: 603698	
Received By: StacyBoone		Date Received: 12-10-22	
Carrier and Tracking Number		Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other	
Suspected Hazard Information		Yes	No
		*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.	
A) Shipped as a DOT Hazardous?			Hazard Class Shipped: _____ UN#: _____ If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___
B) Did the client designate the samples are to be received as radioactive?			COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?			Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u> </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	NA
		No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	<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"/>	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"/>	Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP: <u>20 °C</u>
4	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	Temperature Device Serial #: <u>18A-22 TR3-22</u> Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	<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"/>	Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?	<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"/>	ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	ID's and containers affected:
10	Date & time on COC match date & time on bottles?	<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"/>	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"/>	
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):			

List of current GEL Certifications as of 09 January 2023

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122023-4
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

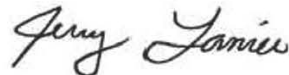
ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-221142-1
Client Project/Site: 125915/JM02.08.G01.3/36500

For:
South Carolina Public Service Authority
Santee Cooper
PO BOX 2946101
Moncks Corner, South Carolina 29461-2901

Attn: Linda Williams



Authorized for release by:
9/19/2022 6:13:11 PM

Jerry Lanier, Project Manager I
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Jerry.Lanier@et.eurofinsus.com

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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: 680-221142-1

Job ID: 680-221142-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative
680-221142-1

Receipt

The samples were received on 9/15/2022 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 19.7°C

Metals

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

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Sample Summary

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

Job ID: 680-221142-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-221142-1	AF38156	Water	07/06/22 11:37	09/15/22 10:30
680-221142-2	AF38157	Water	07/06/22 12:51	09/15/22 10:30
680-221142-3	AF38158	Water	07/18/22 12:01	09/15/22 10:30
680-221142-4	AF38159	Water	07/18/22 15:22	09/15/22 10:30
680-221142-5	AF38160	Water	07/14/22 13:54	09/15/22 10:30
680-221142-6	AF38161	Water	07/11/22 12:55	09/15/22 10:30
680-221142-7	AF38162	Water	07/13/22 10:00	09/15/22 10:30
680-221142-8	AF38163	Water	07/12/22 11:53	09/15/22 10:30
680-221142-9	AF38164	Water	07/13/22 14:34	09/15/22 10:30
680-221142-10	AF38165	Water	07/13/22 13:22	09/15/22 10:30
680-221142-11	AF38166	Water	07/13/22 13:27	09/15/22 10:30
680-221142-12	AF38167	Water	07/18/22 11:06	09/15/22 10:30

Method Summary

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

Job ID: 680-221142-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SAV
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: 680-221142-1

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.
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/JM02.08.G01.3/36500

Job ID: 680-221142-1

Client Sample ID: AF38156

Lab Sample ID: 680-221142-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	4830		2000		ug/L	1		6010D	Total Recoverable
Calcium	2850		500		ug/L	1		6010D	Total Recoverable
Iron	4260		100		ug/L	1		6010D	Total Recoverable
Magnesium	1240		500		ug/L	1		6010D	Total Recoverable
Aluminum	1620		100		ug/L	1		6020B	Total Recoverable
Arsenic	5.23		3.00		ug/L	1		6020B	Total Recoverable
Barium	81.1		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.41		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38157

Lab Sample ID: 680-221142-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	97000		2000		ug/L	1		6010D	Total Recoverable
Potassium	7160		1000		ug/L	1		6010D	Total Recoverable
Calcium	346000		500		ug/L	1		6010D	Total Recoverable
Iron	24500		100		ug/L	1		6010D	Total Recoverable
Magnesium	46200		500		ug/L	1		6010D	Total Recoverable
Arsenic	21.2		3.00		ug/L	1		6020B	Total Recoverable
Barium	261		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38158

Lab Sample ID: 680-221142-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	45600		2000		ug/L	1		6010D	Total Recoverable
Potassium	1980		1000		ug/L	1		6010D	Total Recoverable
Calcium	209000		500		ug/L	1		6010D	Total Recoverable
Iron	19600		100		ug/L	1		6010D	Total Recoverable
Magnesium	11400		500		ug/L	1		6010D	Total Recoverable
Barium	153		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	0.870		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38159

Lab Sample ID: 680-221142-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	14100		2000		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/JM02.08.G01.3/36500

Job ID: 680-221142-1

Client Sample ID: AF38159 (Continued)

Lab Sample ID: 680-221142-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1890		1000		ug/L	1		6010D	Total Recoverable
Calcium	46400		500		ug/L	1		6010D	Total Recoverable
Iron	1100		100		ug/L	1		6010D	Total Recoverable
Magnesium	3870		500		ug/L	1		6010D	Total Recoverable
Barium	38.4		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38160

Lab Sample ID: 680-221142-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	27600		2000		ug/L	1		6010D	Total Recoverable
Potassium	5100		1000		ug/L	1		6010D	Total Recoverable
Calcium	57700		500		ug/L	1		6010D	Total Recoverable
Magnesium	4790		500		ug/L	1		6010D	Total Recoverable
Barium	9.12		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38161

Lab Sample ID: 680-221142-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	3880		2000		ug/L	1		6010D	Total Recoverable
Calcium	11200		500		ug/L	1		6010D	Total Recoverable
Iron	1340		100		ug/L	1		6010D	Total Recoverable
Magnesium	875		500		ug/L	1		6010D	Total Recoverable
Aluminum	304		100		ug/L	1		6020B	Total Recoverable
Barium	20.1		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38162

Lab Sample ID: 680-221142-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	15100		2000		ug/L	1		6010D	Total Recoverable
Potassium	4070		1000		ug/L	1		6010D	Total Recoverable
Calcium	683000		500		ug/L	1		6010D	Total Recoverable
Iron	399		100		ug/L	1		6010D	Total Recoverable
Magnesium	14800		500		ug/L	1		6010D	Total Recoverable
Barium	38.4		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/JM02.08.G01.3/36500

Job ID: 680-221142-1

Client Sample ID: AF38163

Lab Sample ID: 680-221142-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	127000		2000		ug/L	1		6010D	Total Recoverable
Potassium	26500		1000		ug/L	1		6010D	Total Recoverable
Calcium	457000		500		ug/L	1		6010D	Total Recoverable
Molybdenum	35.6		10.0		ug/L	1		6010D	Total Recoverable
Iron	5460		100		ug/L	1		6010D	Total Recoverable
Magnesium	85400		500		ug/L	1		6010D	Total Recoverable
Arsenic	252		3.00		ug/L	1		6020B	Total Recoverable
Barium	219		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38164

Lab Sample ID: 680-221142-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	23300		2000		ug/L	1		6010D	Total Recoverable
Potassium	13100		1000		ug/L	1		6010D	Total Recoverable
Calcium	158000		500		ug/L	1		6010D	Total Recoverable
Iron	5000		100		ug/L	1		6010D	Total Recoverable
Magnesium	28300		500		ug/L	1		6010D	Total Recoverable
Aluminum	290		100		ug/L	1		6020B	Total Recoverable
Arsenic	93.3		3.00		ug/L	1		6020B	Total Recoverable
Barium	80.0		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38165

Lab Sample ID: 680-221142-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	116000		2000		ug/L	1		6010D	Total Recoverable
Potassium	20300		1000		ug/L	1		6010D	Total Recoverable
Calcium	460000		500		ug/L	1		6010D	Total Recoverable
Iron	16300		100		ug/L	1		6010D	Total Recoverable
Magnesium	66100		500		ug/L	1		6010D	Total Recoverable
Arsenic	79.5		3.00		ug/L	1		6020B	Total Recoverable
Barium	206		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/JM02.08.G01.3/36500

Job ID: 680-221142-1

Client Sample ID: AF38166

Lab Sample ID: 680-221142-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	116000		2000		ug/L	1		6010D	Total Recoverable
Potassium	19700		1000		ug/L	1		6010D	Total Recoverable
Calcium	450000		500		ug/L	1		6010D	Total Recoverable
Iron	16100		100		ug/L	1		6010D	Total Recoverable
Magnesium	65700		500		ug/L	1		6010D	Total Recoverable
Arsenic	86.2		3.00		ug/L	1		6020B	Total Recoverable
Barium	216		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38167

Lab Sample ID: 680-221142-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	40600		2000		ug/L	1		6010D	Total Recoverable
Potassium	2420		1000		ug/L	1		6010D	Total Recoverable
Calcium	228000		500		ug/L	1		6010D	Total Recoverable
Iron	10500		100		ug/L	1		6010D	Total Recoverable
Magnesium	9820		500		ug/L	1		6010D	Total Recoverable
Barium	73.1		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.49		0.500		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/JM02.08.G01.3/36500

Job ID: 680-221142-1

Client Sample ID: AF38156

Lab Sample ID: 680-221142-1

Date Collected: 07/06/22 11:37

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	4830		2000		ug/L		09/16/22 10:41	09/19/22 17:18	1
Potassium	1000	U	1000		ug/L		09/16/22 10:41	09/19/22 17:18	1
Calcium	2850		500		ug/L		09/16/22 10:41	09/19/22 17:18	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:18	1
Iron	4260		100		ug/L		09/16/22 10:41	09/19/22 17:18	1
Magnesium	1240		500		ug/L		09/16/22 10:41	09/19/22 17:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1620		100		ug/L		09/16/22 10:41	09/17/22 17:18	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:18	1
Arsenic	5.23		3.00		ug/L		09/16/22 10:41	09/17/22 17:18	1
Barium	81.1		5.00		ug/L		09/16/22 10:41	09/17/22 17:18	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:18	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:18	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:18	1
Cobalt	1.41		0.500		ug/L		09/16/22 10:41	09/17/22 17:18	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:18	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:18	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:18	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:18	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:18	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:18	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38157

Lab Sample ID: 680-221142-2

Date Collected: 07/06/22 12:51

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	97000		2000		ug/L		09/16/22 10:41	09/19/22 17:16	1
Potassium	7160		1000		ug/L		09/16/22 10:41	09/19/22 17:16	1
Calcium	346000		500		ug/L		09/16/22 10:41	09/19/22 17:16	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:16	1
Iron	24500		100		ug/L		09/16/22 10:41	09/19/22 17:16	1
Magnesium	46200		500		ug/L		09/16/22 10:41	09/19/22 17:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 17:06	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:06	1
Arsenic	21.2		3.00		ug/L		09/16/22 10:41	09/17/22 17:06	1
Barium	261		5.00		ug/L		09/16/22 10:41	09/17/22 17:06	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:06	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:06	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:06	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:06	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:06	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:06	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:06	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:06	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:06	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:06	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38158

Lab Sample ID: 680-221142-3

Date Collected: 07/18/22 12:01

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	45600		2000		ug/L		09/16/22 10:41	09/19/22 17:23	1
Potassium	1980		1000		ug/L		09/16/22 10:41	09/19/22 17:23	1
Calcium	209000		500		ug/L		09/16/22 10:41	09/19/22 17:23	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:23	1
Iron	19600		100		ug/L		09/16/22 10:41	09/19/22 17:23	1
Magnesium	11400		500		ug/L		09/16/22 10:41	09/19/22 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 17:25	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:25	1
Arsenic	3.00	U	3.00		ug/L		09/16/22 10:41	09/17/22 17:25	1
Barium	153		5.00		ug/L		09/16/22 10:41	09/17/22 17:25	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:25	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:25	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:25	1
Cobalt	0.870		0.500		ug/L		09/16/22 10:41	09/17/22 17:25	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:25	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:25	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:25	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:25	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:25	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:25	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38159

Lab Sample ID: 680-221142-4

Date Collected: 07/18/22 15:22

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	14100		2000		ug/L		09/16/22 10:41	09/19/22 17:31	1
Potassium	1890		1000		ug/L		09/16/22 10:41	09/19/22 17:31	1
Calcium	46400		500		ug/L		09/16/22 10:41	09/19/22 17:31	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:31	1
Iron	1100		100		ug/L		09/16/22 10:41	09/19/22 17:31	1
Magnesium	3870		500		ug/L		09/16/22 10:41	09/19/22 17:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 17:37	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:37	1
Arsenic	3.00	U	3.00		ug/L		09/16/22 10:41	09/17/22 17:37	1
Barium	38.4		5.00		ug/L		09/16/22 10:41	09/17/22 17:37	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:37	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:37	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:37	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:37	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:37	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:37	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:37	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:37	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:37	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:37	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38160

Lab Sample ID: 680-221142-5

Date Collected: 07/14/22 13:54

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	27600		2000		ug/L		09/16/22 10:41	09/19/22 17:01	1
Potassium	5100		1000		ug/L		09/16/22 10:41	09/19/22 17:01	1
Calcium	57700		500		ug/L		09/16/22 10:41	09/19/22 17:01	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:01	1
Iron	100	U	100		ug/L		09/16/22 10:41	09/19/22 17:01	1
Magnesium	4790		500		ug/L		09/16/22 10:41	09/19/22 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 16:51	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:51	1
Arsenic	3.00	U	3.00		ug/L		09/16/22 10:41	09/17/22 16:51	1
Barium	9.12		5.00		ug/L		09/16/22 10:41	09/17/22 16:51	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:51	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:51	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:51	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:51	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:51	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 16:51	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:51	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 16:51	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 16:51	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 16:51	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38161

Lab Sample ID: 680-221142-6

Date Collected: 07/11/22 12:55

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	3880		2000		ug/L		09/16/22 10:41	09/19/22 17:38	1
Potassium	1000	U	1000		ug/L		09/16/22 10:41	09/19/22 17:38	1
Calcium	11200		500		ug/L		09/16/22 10:41	09/19/22 17:38	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:38	1
Iron	1340		100		ug/L		09/16/22 10:41	09/19/22 17:38	1
Magnesium	875		500		ug/L		09/16/22 10:41	09/19/22 17:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	304		100		ug/L		09/16/22 10:41	09/17/22 17:41	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:41	1
Arsenic	3.00	U	3.00		ug/L		09/16/22 10:41	09/17/22 17:41	1
Barium	20.1		5.00		ug/L		09/16/22 10:41	09/17/22 17:41	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:41	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:41	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:41	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:41	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:41	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:41	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:41	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:41	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:41	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:41	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38162

Lab Sample ID: 680-221142-7

Date Collected: 07/13/22 10:00

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	15100		2000		ug/L		09/16/22 10:41	09/19/22 17:26	1
Potassium	4070		1000		ug/L		09/16/22 10:41	09/19/22 17:26	1
Calcium	683000		500		ug/L		09/16/22 10:41	09/19/22 17:26	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:26	1
Iron	399		100		ug/L		09/16/22 10:41	09/19/22 17:26	1
Magnesium	14800		500		ug/L		09/16/22 10:41	09/19/22 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 17:29	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:29	1
Arsenic	3.00	U	3.00		ug/L		09/16/22 10:41	09/17/22 17:29	1
Barium	38.4		5.00		ug/L		09/16/22 10:41	09/17/22 17:29	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:29	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:29	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:29	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:29	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:29	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:29	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:29	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:29	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:29	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:29	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38163

Lab Sample ID: 680-221142-8

Date Collected: 07/12/22 11:53

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	127000		2000		ug/L		09/16/22 10:41	09/19/22 17:08	1
Potassium	26500		1000		ug/L		09/16/22 10:41	09/19/22 17:08	1
Calcium	457000		500		ug/L		09/16/22 10:41	09/19/22 17:08	1
Molybdenum	35.6		10.0		ug/L		09/16/22 10:41	09/19/22 17:08	1
Iron	5460		100		ug/L		09/16/22 10:41	09/19/22 17:08	1
Magnesium	85400		500		ug/L		09/16/22 10:41	09/19/22 17:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 16:55	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:55	1
Arsenic	252		3.00		ug/L		09/16/22 10:41	09/17/22 16:55	1
Barium	219		5.00		ug/L		09/16/22 10:41	09/17/22 16:55	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:55	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:55	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:55	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:55	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:55	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 16:55	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:55	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 16:55	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 16:55	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 16:55	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38164

Lab Sample ID: 680-221142-9

Date Collected: 07/13/22 14:34

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	23300		2000		ug/L		09/16/22 10:41	09/19/22 17:13	1
Potassium	13100		1000		ug/L		09/16/22 10:41	09/19/22 17:13	1
Calcium	158000		500		ug/L		09/16/22 10:41	09/19/22 17:13	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:13	1
Iron	5000		100		ug/L		09/16/22 10:41	09/19/22 17:13	1
Magnesium	28300		500		ug/L		09/16/22 10:41	09/19/22 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	290		100		ug/L		09/16/22 10:41	09/17/22 17:02	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:02	1
Arsenic	93.3		3.00		ug/L		09/16/22 10:41	09/17/22 17:02	1
Barium	80.0		5.00		ug/L		09/16/22 10:41	09/17/22 17:02	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:02	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:02	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:02	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:02	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:02	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:02	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:02	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:02	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:02	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:02	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38165

Lab Sample ID: 680-221142-10

Date Collected: 07/13/22 13:22

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	116000		2000		ug/L		09/16/22 10:41	09/19/22 17:28	1
Potassium	20300		1000		ug/L		09/16/22 10:41	09/19/22 17:28	1
Calcium	460000		500		ug/L		09/16/22 10:41	09/19/22 17:28	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:28	1
Iron	16300		100		ug/L		09/16/22 10:41	09/19/22 17:28	1
Magnesium	66100		500		ug/L		09/16/22 10:41	09/19/22 17:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 17:33	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:33	1
Arsenic	79.5		3.00		ug/L		09/16/22 10:41	09/17/22 17:33	1
Barium	206		5.00		ug/L		09/16/22 10:41	09/17/22 17:33	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:33	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:33	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:33	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:33	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:33	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:33	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:33	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:33	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:33	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:33	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38166

Lab Sample ID: 680-221142-11

Date Collected: 07/13/22 13:27

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	116000		2000		ug/L		09/16/22 10:41	09/19/22 17:11	1
Potassium	19700		1000		ug/L		09/16/22 10:41	09/19/22 17:11	1
Calcium	450000		500		ug/L		09/16/22 10:41	09/19/22 17:11	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:11	1
Iron	16100		100		ug/L		09/16/22 10:41	09/19/22 17:11	1
Magnesium	65700		500		ug/L		09/16/22 10:41	09/19/22 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 16:59	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:59	1
Arsenic	86.2		3.00		ug/L		09/16/22 10:41	09/17/22 16:59	1
Barium	216		5.00		ug/L		09/16/22 10:41	09/17/22 16:59	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:59	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:59	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:59	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:59	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:59	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 16:59	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:59	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 16:59	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 16:59	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 16:59	1

Client Sample Results

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

Job ID: 680-221142-1

Client Sample ID: AF38167

Lab Sample ID: 680-221142-12

Date Collected: 07/18/22 11:06

Matrix: Water

Date Received: 09/15/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	40600		2000		ug/L		09/16/22 10:41	09/19/22 17:21	1
Potassium	2420		1000		ug/L		09/16/22 10:41	09/19/22 17:21	1
Calcium	228000		500		ug/L		09/16/22 10:41	09/19/22 17:21	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 17:21	1
Iron	10500		100		ug/L		09/16/22 10:41	09/19/22 17:21	1
Magnesium	9820		500		ug/L		09/16/22 10:41	09/19/22 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 17:22	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:22	1
Arsenic	3.00	U	3.00		ug/L		09/16/22 10:41	09/17/22 17:22	1
Barium	73.1		5.00		ug/L		09/16/22 10:41	09/17/22 17:22	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:22	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 17:22	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:22	1
Cobalt	1.49		0.500		ug/L		09/16/22 10:41	09/17/22 17:22	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:22	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:22	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 17:22	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 17:22	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 17:22	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 17:22	1

QC Sample Results

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

Job ID: 680-221142-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 680-740711/1-A
 Matrix: Water
 Analysis Batch: 741147

Client Sample ID: Method Blank
 Prep Type: Total Recoverable
 Prep Batch: 740711

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Sodium	2000	U	2000		ug/L		09/16/22 10:41	09/19/22 16:48	1
Potassium	1000	U	1000		ug/L		09/16/22 10:41	09/19/22 16:48	1
Calcium	500	U	500		ug/L		09/16/22 10:41	09/19/22 16:48	1
Molybdenum	10.0	U	10.0		ug/L		09/16/22 10:41	09/19/22 16:48	1
Iron	100	U	100		ug/L		09/16/22 10:41	09/19/22 16:48	1
Magnesium	500	U	500		ug/L		09/16/22 10:41	09/19/22 16:48	1

Lab Sample ID: LCS 680-740711/2-A
 Matrix: Water
 Analysis Batch: 741147

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 740711

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	6970	6814		ug/L		98	80 - 120
Calcium	5000	4841		ug/L		97	80 - 120
Molybdenum	100	98.16		ug/L		98	80 - 120
Iron	5000	4904		ug/L		98	80 - 120
Magnesium	5010	4833		ug/L		96	80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-740713/1-A
 Matrix: Water
 Analysis Batch: 740910

Client Sample ID: Method Blank
 Prep Type: Total Recoverable
 Prep Batch: 740713

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	100	U	100		ug/L		09/16/22 10:41	09/17/22 16:32	1
Antimony	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:32	1
Arsenic	3.00	U	3.00		ug/L		09/16/22 10:41	09/17/22 16:32	1
Barium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:32	1
Beryllium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:32	1
Cadmium	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:32	1
Chromium	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:32	1
Cobalt	0.500	U	0.500		ug/L		09/16/22 10:41	09/17/22 16:32	1
Copper	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:32	1
Lead	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 16:32	1
Nickel	5.00	U	5.00		ug/L		09/16/22 10:41	09/17/22 16:32	1
Selenium	2.50	U	2.50		ug/L		09/16/22 10:41	09/17/22 16:32	1
Thallium	1.00	U	1.00		ug/L		09/16/22 10:41	09/17/22 16:32	1
Zinc	20.0	U	20.0		ug/L		09/16/22 10:41	09/17/22 16:32	1

Lab Sample ID: LCS 680-740713/2-A
 Matrix: Water
 Analysis Batch: 740910

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 740713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	46.63		ug/L		93	80 - 120
Arsenic	100	93.41		ug/L		93	80 - 120

Eurofins Savannah

QC Sample Results

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

Job ID: 680-221142-1

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

Lab Sample ID: LCS 680-740713/2-A
 Matrix: Water
 Analysis Batch: 740910

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 740713

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	100	95.03		ug/L		95	80 - 120
Beryllium	50.0	47.40		ug/L		95	80 - 120
Cadmium	50.0	49.06		ug/L		98	80 - 120
Chromium	100	90.69		ug/L		91	80 - 120
Cobalt	50.0	50.25		ug/L		101	80 - 120
Copper	100	101.2		ug/L		101	80 - 120
Lead	505	467.8		ug/L		93	80 - 120
Nickel	99.0	95.88		ug/L		97	80 - 120
Selenium	100	94.54		ug/L		94	80 - 120
Thallium	50.0	46.14		ug/L		92	80 - 120
Zinc	100	99.70		ug/L		100	80 - 120

QC Association Summary

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

Job ID: 680-221142-1

Metals

Prep Batch: 740711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221142-1	AF38156	Total Recoverable	Water	3005A	
680-221142-2	AF38157	Total Recoverable	Water	3005A	
680-221142-3	AF38158	Total Recoverable	Water	3005A	
680-221142-4	AF38159	Total Recoverable	Water	3005A	
680-221142-5	AF38160	Total Recoverable	Water	3005A	
680-221142-6	AF38161	Total Recoverable	Water	3005A	
680-221142-7	AF38162	Total Recoverable	Water	3005A	
680-221142-8	AF38163	Total Recoverable	Water	3005A	
680-221142-9	AF38164	Total Recoverable	Water	3005A	
680-221142-10	AF38165	Total Recoverable	Water	3005A	
680-221142-11	AF38166	Total Recoverable	Water	3005A	
680-221142-12	AF38167	Total Recoverable	Water	3005A	
MB 680-740711/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-740711/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 740713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221142-1	AF38156	Total Recoverable	Water	3005A	
680-221142-2	AF38157	Total Recoverable	Water	3005A	
680-221142-3	AF38158	Total Recoverable	Water	3005A	
680-221142-4	AF38159	Total Recoverable	Water	3005A	
680-221142-5	AF38160	Total Recoverable	Water	3005A	
680-221142-6	AF38161	Total Recoverable	Water	3005A	
680-221142-7	AF38162	Total Recoverable	Water	3005A	
680-221142-8	AF38163	Total Recoverable	Water	3005A	
680-221142-9	AF38164	Total Recoverable	Water	3005A	
680-221142-10	AF38165	Total Recoverable	Water	3005A	
680-221142-11	AF38166	Total Recoverable	Water	3005A	
680-221142-12	AF38167	Total Recoverable	Water	3005A	
MB 680-740713/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-740713/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 740910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221142-1	AF38156	Total Recoverable	Water	6020B	740713
680-221142-2	AF38157	Total Recoverable	Water	6020B	740713
680-221142-3	AF38158	Total Recoverable	Water	6020B	740713
680-221142-4	AF38159	Total Recoverable	Water	6020B	740713
680-221142-5	AF38160	Total Recoverable	Water	6020B	740713
680-221142-6	AF38161	Total Recoverable	Water	6020B	740713
680-221142-7	AF38162	Total Recoverable	Water	6020B	740713
680-221142-8	AF38163	Total Recoverable	Water	6020B	740713
680-221142-9	AF38164	Total Recoverable	Water	6020B	740713
680-221142-10	AF38165	Total Recoverable	Water	6020B	740713
680-221142-11	AF38166	Total Recoverable	Water	6020B	740713
680-221142-12	AF38167	Total Recoverable	Water	6020B	740713
MB 680-740713/1-A	Method Blank	Total Recoverable	Water	6020B	740713
LCS 680-740713/2-A	Lab Control Sample	Total Recoverable	Water	6020B	740713

QC Association Summary

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

Job ID: 680-221142-1

Metals

Analysis Batch: 741147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221142-1	AF38156	Total Recoverable	Water	6010D	740711
680-221142-2	AF38157	Total Recoverable	Water	6010D	740711
680-221142-3	AF38158	Total Recoverable	Water	6010D	740711
680-221142-4	AF38159	Total Recoverable	Water	6010D	740711
680-221142-5	AF38160	Total Recoverable	Water	6010D	740711
680-221142-6	AF38161	Total Recoverable	Water	6010D	740711
680-221142-7	AF38162	Total Recoverable	Water	6010D	740711
680-221142-8	AF38163	Total Recoverable	Water	6010D	740711
680-221142-9	AF38164	Total Recoverable	Water	6010D	740711
680-221142-10	AF38165	Total Recoverable	Water	6010D	740711
680-221142-11	AF38166	Total Recoverable	Water	6010D	740711
680-221142-12	AF38167	Total Recoverable	Water	6010D	740711
MB 680-740711/1-A	Method Blank	Total Recoverable	Water	6010D	740711
LCS 680-740711/2-A	Lab Control Sample	Total Recoverable	Water	6010D	740711

Lab Chronicle

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

Job ID: 680-221142-1

Client Sample ID: AF38156

Lab Sample ID: 680-221142-1

Date Collected: 07/06/22 11:37

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:18
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:18

Client Sample ID: AF38157

Lab Sample ID: 680-221142-2

Date Collected: 07/06/22 12:51

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:16
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:06

Client Sample ID: AF38158

Lab Sample ID: 680-221142-3

Date Collected: 07/18/22 12:01

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:23
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:25

Client Sample ID: AF38159

Lab Sample ID: 680-221142-4

Date Collected: 07/18/22 15:22

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:31
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:37

Client Sample ID: AF38160

Lab Sample ID: 680-221142-5

Date Collected: 07/14/22 13:54

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:01
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 16:51

Lab Chronicle

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

Job ID: 680-221142-1

Client Sample ID: AF38161

Lab Sample ID: 680-221142-6

Date Collected: 07/11/22 12:55

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:38
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:41

Client Sample ID: AF38162

Lab Sample ID: 680-221142-7

Date Collected: 07/13/22 10:00

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:26
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:29

Client Sample ID: AF38163

Lab Sample ID: 680-221142-8

Date Collected: 07/12/22 11:53

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:08
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 16:55

Client Sample ID: AF38164

Lab Sample ID: 680-221142-9

Date Collected: 07/13/22 14:34

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:13
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:02

Client Sample ID: AF38165

Lab Sample ID: 680-221142-10

Date Collected: 07/13/22 13:22

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:28
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:33

Lab Chronicle

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

Job ID: 680-221142-1

Client Sample ID: AF38166

Lab Sample ID: 680-221142-11

Date Collected: 07/13/22 13:27

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:11
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 16:59

Client Sample ID: AF38167

Lab Sample ID: 680-221142-12

Date Collected: 07/18/22 11:06

Matrix: Water

Date Received: 09/15/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			740711	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6010D		1	741147	BCB	EET SAV	09/19/22 17:21
Total Recoverable	Prep	3005A			740713	RR	EET SAV	09/16/22 10:41
Total Recoverable	Analysis	6020B		1	740910	BWR	EET SAV	09/17/22 17:22

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 / JMD2.08.601.3 / 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	TOTAL METALS -SEE BELOW
AF38156	WAP-1	7/6	1137	DW BM	1	P	G	GW	2	USE APPROPRIATE METHOD TO MEET RLS.	X
57	2	7/6	1251								
58	3	7/18	1201							-SEE SHEET FOR RLS.	
59	4	7/18	1522								
60	5	7/14	1354							PLEASE RETURN SAMPLE. UPON COMPLETION.	
61	6	7/11	1255								
62	7	7/13	1000								
63	8	7/12	1153								
64	9	7/13	1434								
65	10	7/13	1322 1434								

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35594	9/14/22	1500	<i>LCW</i>		9/15	10:20
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 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 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 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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil 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"/> TX GOFER
--	--	--	---	---	--	--



19.8/19.7

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=N2S2O3 6-Other (Specify)

Chain of Custody

RUSH!



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	TOTAL METALS -SEE BELOW
AF38166	WAP-10 DUP	7/13	1327	DEW/BM	1	P	G	GW	2	EITHER USE METHOD TO MEET REQUESTED RLS	X
L 67	WAP-11	7/18	1106	L	1	P	G	L	2	SEE SHEET FOR RLS.	X
										PLEASE RETURN SAMPLE UPON COMPLETION	

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35594	9/14/22	1500	<i>AM</i>		9/15	10:30

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 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 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 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	Nutrients <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	MISC. <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	Gypsum <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil Trans. Oil Qual. <input type="checkbox"/> %Moisture Color Acidity Dielectric Strength IFI Dissolved Gases 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=HNO3 3=H2SO4 4-HCl 5=Na2S2O3 6-Other (Specify)

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-221142-1

Login Number: 221142

List Number: 1

Creator: Padayao, Abigail

List Source: Eurofins Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	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/JM02.08.G01.3/36500

Job ID: 680-221142-1

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 *

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

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



Laboratory Report

Client	Santee Cooper Linda Williams 1 Riverwood Dr. Moncks Corner, SC 29461	Project:	Ground Water
		Work Order:	22H1276
		Received:	08/24/2022 09:40

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 24, 2022. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the TNI standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

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

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

Report Approved By:

Elisabeth Noblet
Project Manager

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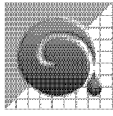
South Carolina Greenville Laboratory Identification 23105
 South Carolina Columbia Laboratory Identification 40572
 North Carolina Laboratory Certification Number 27
 North Carolina Drinking Water Lab Number 45710
 NELAP Utah Certificate Number SC000042014-1
 Georgia Drinking Water Lab ID 880

Certificate of Analysis

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

Project: Ground Water
Work Order: 22H1276
Received: 08/24/2022 09:40

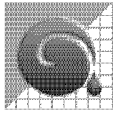
Sample Number	Sample Description	Matrix	Sampled	Type
22H1276-01	AF38157 WAP-2	Ground Water	07/06/22 12:51	Grab
22H1276-02	AF38161 WAP-6	Ground Water	07/11/22 12:55	Grab
22H1276-03	AF38163 WAP-8	Ground Water	07/12/22 11:53	Grab
22H1276-04	AF38165 WAP-10	Ground Water	07/13/22 13:22	Grab
22H1276-05	AF38166 WAP-10 DUP	Ground Water	07/13/22 13:27	Grab
22H1276-06	AF38164 WAP-9	Ground Water	07/13/22 14:34	Grab
22H1276-07	AF38160 WAP-5	Ground Water	07/14/22 13:54	Grab
22H1276-08	AF38167 WAP-11	Ground Water	07/18/22 11:06	Grab
22H1276-09	AF38158 WAP-3	Ground Water	07/18/22 12:01	Grab
22H1276-10	AF38159 WAP-4	Ground Water	07/18/22 15:22	Grab
22H1276-11	AF38190 WBW-1	Ground Water	07/06/22 10:23	Grab
22H1276-12	AF38156 WAP-1	Ground Water	07/06/22 11:37	Grab
22H1276-13	AF38168 WAP-12	Ground Water	07/06/22 14:06	Grab
22H1276-14	AF38169 WAP-12 DUP	Ground Water	07/06/22 14:11	Grab
22H1276-15	AF38184 WAP-22	Ground Water	07/07/22 13:44	Grab
22H1276-16	AF38187 WAP-25	Ground Water	07/11/22 10:30	Grab
22H1276-17	AF38188 WAP-26	Ground Water	07/11/22 11:44	Grab
22H1276-18	AF38189 WAP-26 DUP	Ground Water	07/11/22 11:46	Grab
22H1276-19	AF38162 WAP-7	Ground Water	07/13/22 10:00	Grab
22H1276-20	AF38185 WAP-23	Ground Water	07/13/22 12:25	Grab
22H1276-21	AF38186 WAP-24	Ground Water	07/13/22 15:31	Grab
22H1276-22	AF38183 WAP-21	Ground Water	07/14/22 10:45	Grab
22H1276-23	AF38177 WAP-16	Ground Water	07/14/22 12:48	Grab
22H1276-24	AF38170 WAP-13	Ground Water	07/18/22 13:12	Grab
22H1276-25	AF38176 WAP-15	Ground Water	07/18/22 14:30	Grab
22H1276-26	AF38171 WAP-14	Ground Water	07/20/22 14:12	Grab
22H1276-27	AF38172 WAP-14 DUP	Ground Water	07/20/22 14:17	Grab



Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number	Sample Description	Matrix	Sampled	Type
22H1276-28	AF38173 WAP-14A	Ground Water	07/20/22 11:00	Grab
22H1276-29	AF38174 WAP-14B	Ground Water	07/20/22 12:20	Grab
22H1276-30	AF38175 WAP-14C	Ground Water	07/20/22 13:17	Grab
22H1276-31	AF38182 WAP-20	Ground Water	07/28/22 11:00	Grab
22H1276-32	AF38199 WLF-A2-2	Ground Water	07/17/22 11:37	Grab
22H1276-33	AF38198 WLF-A2-1	Ground Water	07/17/22 12:37	Grab
22H1276-34	AF38180 WAP-18	Ground Water	07/17/22 14:43	Grab
22H1276-35	AF38193 WLF-A1-2	Ground Water	07/11/22 13:38	Grab
22H1276-36	AF38194 WLF-A1-3	Ground Water	07/11/22 14:41	Grab
22H1276-37	AF38195 WLF-A1-4	Ground Water	07/11/22 15:35	Grab
22H1276-38	AF38196 WLF-A1-4DUP	Ground Water	07/11/22 15:40	Grab
22H1276-39	AF38191 WBW-A1-1	Ground Water	07/12/22 10:44	Grab
22H1276-40	AF38197 WLF-A1-5	Ground Water	07/12/22 13:58	Grab
22H1276-41	AF38192 WLF-A1-1	Ground Water	07/12/22 14:55	Grab
22H1276-42	AF38178 WAP-17	Ground Water	07/12/22 12:35	Grab
22H1276-43	AF38179 WAP-17 DUP	Ground Water	07/12/22 12:40	Grab
22H1276-44	AF38181 WAP-19	Ground Water	07/13/22 11:08	Grab
22H1276-45	AF38200 WLF-A2-6	Ground Water	07/14/22 11:50	Grab



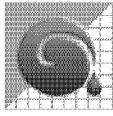
Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Case Narrative

Partial Report

Please note this report does not include results for metals run by method 6020: As, Be, Co, Cr, Sb, Se, and Tl on all samples except AF38178,79,81,92, and 200, which have results reported for As, Sb, Se and Tl.



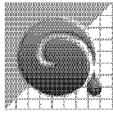
Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Data

Sample Number 22H1276-01
Sample Description AF38157 WAP-2 collected on 07/06/22 12:51

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.27	0.010	mg/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G
Boron	6900	75	ug/L	5.00	08/26/22 10:50	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G
Calcium	400	25	mg/L	500	08/26/22 10:43	EPA 6010D		KTH	B2H2183	RC-G
Copper	0.010	0.005	mg/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G
Iron	30	2.5	mg/L	50.0	08/26/22 10:46	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G
Lithium	16	10	ug/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	58	2.5	mg/L	50.0	08/26/22 10:46	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G
Potassium	9.5	0.50	mg/L	5.00	08/26/22 10:50	EPA 6010D		KTH	B2H2183	RC-G
Sodium	110	5.0	mg/L	50.0	08/26/22 10:46	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 10:53	EPA 6010D		KTH	B2H2183	RC-G



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ENVIRONMENTAL

Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

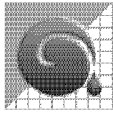
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-02
Sample Description AF38161 WAP-6 collected on 07/11/22 12:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.29	0.050	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.021	0.010	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Boron	44	15	ug/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Calcium	12	0.25	mg/L	5.00	08/26/22 11:27	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Iron	1.4	0.050	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	0.89	0.050	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Potassium	0.27	0.10	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Sodium	3.6	0.10	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 11:30	EPA 6010D		KTH	B2H2183	RC-G

Sample Number 22H1276-03
Sample Description AF38163 WAP-8 collected on 07/12/22 11:53

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.21	0.010	mg/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G
Boron	8200	75	ug/L	5.00	08/26/22 11:44	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G
Calcium	530	25	mg/L	500	08/26/22 11:37	EPA 6010D		KTH	B2H2183	RC-G
Copper	0.012	0.005	mg/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G
Iron	5.6	0.25	mg/L	5.00	08/26/22 11:44	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G
Lithium	470	10	ug/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	89	2.5	mg/L	50.0	08/26/22 11:40	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	38	10	ug/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G
Potassium	27	5.0	mg/L	50.0	08/26/22 11:40	EPA 6010D		KTH	B2H2183	RC-G
Sodium	120	5.0	mg/L	50.0	08/26/22 11:40	EPA 6010D		KTH	B2H2183	RC-G
Zinc	0.012	0.010	mg/L	1.00	08/26/22 11:48	EPA 6010D		KTH	B2H2183	RC-G



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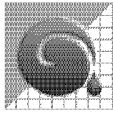
ENVIRONMENTAL

Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-04
Sample Description AF38165 WAP-10 collected on 07/13/22 13:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.21	0.010	mg/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G
Boron	8300	75	ug/L	5.00	08/26/22 09:05	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G
Calcium	560	25	mg/L	500	08/26/22 08:45	EPA 6010D		KTH	B2H2183	RC-G
Copper	0.011	0.005	mg/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G
Iron	18	0.25	mg/L	5.00	08/26/22 09:05	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G
Lithium	26	10	ug/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	78	2.5	mg/L	50.0	08/26/22 08:55	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G
Potassium	24	0.50	mg/L	5.00	08/26/22 09:05	EPA 6010D		KTH	B2H2183	RC-G
Sodium	130	5.0	mg/L	50.0	08/26/22 08:55	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 09:16	EPA 6010D		KTH	B2H2183	RC-G



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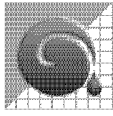
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Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-05
Sample Description AF38166 WAP-10 DUP collected on 07/13/22 13:27

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.21	0.010	mg/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Boron	8100	75	ug/L	5.00	08/26/22 09:58	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Calcium	490	50	mg/L	1,000	08/26/22 17:32	EPA 6010D		KTH	B2H2183	RC-G
Copper	0.023	0.005	mg/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Iron	17	0.25	mg/L	5.00	08/26/22 09:58	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Lithium	26	10	ug/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	71	2.5	mg/L	50.0	08/26/22 09:47	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Potassium	23	0.50	mg/L	5.00	08/26/22 09:58	EPA 6010D		KTH	B2H2183	RC-G
Sodium	110	5.0	mg/L	50.0	08/26/22 09:47	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 10:22	EPA 6010D		KTH	B2H2183	RC-G
Rebatch Sample Number: 22H1276-05RE1										
Lithium	28	10	ug/L	1.00	09/01/22 12:55	EPA 6010D		KTH	B2H2214	RC-G



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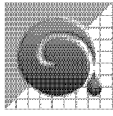
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-06
Sample Description AF38164 WAP-9 collected on 07/13/22 14:34

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.28	0.050	mg/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.068	0.010	mg/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Boron	3500	15	ug/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Calcium	160	2.5	mg/L	50.0	08/26/22 12:08	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Iron	5.3	0.25	mg/L	5.00	08/26/22 12:12	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Lithium	42	10	ug/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	29	2.5	mg/L	50.0	08/26/22 12:08	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G
Potassium	15	0.50	mg/L	5.00	08/26/22 12:12	EPA 6010D		KTH	B2H2183	RC-G
Sodium	22	5.0	mg/L	50.0	08/26/22 12:08	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 12:15	EPA 6010D		KTH	B2H2183	RC-G

Sample Number 22H1276-07
Sample Description AF38160 WAP-5 collected on 07/14/22 13:54

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Barium	ND	0.010	mg/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Boron	90	15	ug/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Calcium	62	2.5	mg/L	50.0	08/26/22 12:25	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Iron	0.090	0.050	mg/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	4.9	0.25	mg/L	5.00	08/26/22 12:29	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G
Potassium	6.3	0.50	mg/L	5.00	08/26/22 12:29	EPA 6010D		KTH	B2H2183	RC-G
Sodium	28	5.0	mg/L	50.0	08/26/22 12:25	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 12:32	EPA 6010D		KTH	B2H2183	RC-G



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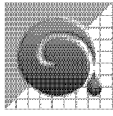
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-08
Sample Description AF38167 WAP-11 collected on 07/18/22 11:06

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.083	0.010	mg/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Boron	1800	15	ug/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Calcium	230	2.5	mg/L	50.0	08/26/22 12:53	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Iron	11	0.25	mg/L	5.00	08/26/22 12:56	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Lithium	13	10	ug/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	10	0.25	mg/L	5.00	08/26/22 12:56	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Potassium	3.1	0.10	mg/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G
Sodium	39	5.0	mg/L	50.0	08/26/22 12:53	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 13:00	EPA 6010D		KTH	B2H2183	RC-G

Sample Number 22H1276-09
Sample Description AF38158 WAP-3 collected on 07/18/22 12:01

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.083	0.050	mg/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.16	0.010	mg/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Boron	1300	15	ug/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Calcium	210	2.5	mg/L	50.0	08/26/22 13:10	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Iron	20	0.25	mg/L	5.00	08/26/22 13:13	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Lithium	13	10	ug/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	12	0.25	mg/L	5.00	08/26/22 13:13	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Potassium	2.7	0.10	mg/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G
Sodium	44	5.0	mg/L	50.0	08/26/22 13:10	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 13:17	EPA 6010D		KTH	B2H2183	RC-G



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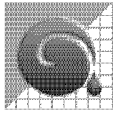
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-10
Sample Description AF38159 WAP-4 collected on 07/18/22 15:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.087	0.050	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.037	0.010	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Boron	120	15	ug/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Calcium	52	2.5	mg/L	50.0	08/26/22 13:37	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Iron	1.2	0.050	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	4.1	0.050	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Potassium	2.4	0.10	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G
Sodium	14	0.50	mg/L	5.00	08/26/22 13:40	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 13:44	EPA 6010D		KTH	B2H2183	RC-G

Sample Number 22H1276-11
Sample Description AF38190 WBW-1 collected on 07/06/22 10:23

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.95	0.050	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.044	0.010	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Boron	58	15	ug/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Calcium	2.7	0.050	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Iron	0.36	0.050	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	0.93	0.050	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Potassium	0.42	0.10	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Sodium	2.6	0.10	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 14:01	EPA 6010D		KTH	B2H2183	RC-G



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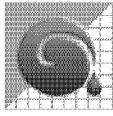
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-12
Sample Description AF38156 WAP-1 collected on 07/06/22 11:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	1.2	0.050	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.068	0.010	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Boron	26	15	ug/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Calcium	2.9	0.050	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Iron	4.1	0.050	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	1.2	0.050	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Potassium	0.79	0.10	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Sodium	4.2	0.10	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 14:28	EPA 6010D		KTH	B2H2183	RC-G

Sample Number 22H1276-13
Sample Description AF38168 WAP-12 collected on 07/06/22 14:06

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	2.3	0.050	mg/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.019	0.010	mg/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Boron	2000	15	ug/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Calcium	130	2.5	mg/L	50.0	08/26/22 14:38	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Iron	2.6	0.050	mg/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	18	0.25	mg/L	5.00	08/26/22 14:41	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G
Potassium	6.8	0.50	mg/L	5.00	08/26/22 14:41	EPA 6010D		KTH	B2H2183	RC-G
Sodium	32	5.0	mg/L	50.0	08/26/22 14:38	EPA 6010D		KTH	B2H2183	RC-G
Zinc	0.018	0.010	mg/L	1.00	08/26/22 14:45	EPA 6010D		KTH	B2H2183	RC-G



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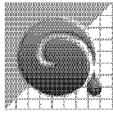
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-14
Sample Description AF38169 WAP-12 DUP collected on 07/06/22 14:11

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	2.4	0.050	mg/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.020	0.010	mg/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Boron	2100	15	ug/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Calcium	130	2.5	mg/L	50.0	08/26/22 15:05	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Iron	2.6	0.050	mg/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	19	0.25	mg/L	5.00	08/26/22 15:08	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G
Potassium	7.2	0.50	mg/L	5.00	08/26/22 15:08	EPA 6010D		KTH	B2H2183	RC-G
Sodium	30	5.0	mg/L	50.0	08/26/22 15:05	EPA 6010D		KTH	B2H2183	RC-G
Zinc	0.019	0.010	mg/L	1.00	08/26/22 15:12	EPA 6010D		KTH	B2H2183	RC-G

Sample Number 22H1276-15
Sample Description AF38184 WAP-22 collected on 07/07/22 13:44

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.081	0.050	mg/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.25	0.010	mg/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G
Boron	6400	75	ug/L	5.00	08/26/22 15:26	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G
Calcium	460	25	mg/L	500	08/26/22 15:19	EPA 6010D		KTH	B2H2183	RC-G
Copper	0.012	0.005	mg/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G
Iron	41	2.5	mg/L	50.0	08/26/22 15:22	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G
Lithium	95	10	ug/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	71	2.5	mg/L	50.0	08/26/22 15:22	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G
Potassium	30	0.50	mg/L	5.00	08/26/22 15:26	EPA 6010D		KTH	B2H2183	RC-G
Sodium	130	5.0	mg/L	50.0	08/26/22 15:22	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 15:29	EPA 6010D		KTH	B2H2183	RC-G



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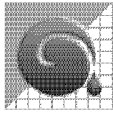
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-16
Sample Description AF38187 WAP-25 collected on 07/11/22 10:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Barium	ND	0.010	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Boron	21	15	ug/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Calcium	64	2.5	mg/L	50.0	08/26/22 15:50	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Iron	3.2	0.050	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	2.2	0.050	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Potassium	2.4	0.10	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G
Sodium	9.7	0.50	mg/L	5.00	08/26/22 15:53	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 15:56	EPA 6010D		KTH	B2H2183	RC-G

Sample Number 22H1276-17
Sample Description AF38188 WAP-26 collected on 07/11/22 11:44

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.15	0.050	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.042	0.010	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Boron	24	15	ug/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Calcium	20	0.25	mg/L	5.00	08/26/22 16:10	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Iron	0.56	0.050	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	1.8	0.050	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Potassium	1.2	0.10	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Sodium	3.6	0.10	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 16:13	EPA 6010D		KTH	B2H2183	RC-G



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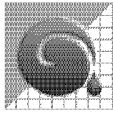
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-18
Sample Description AF38189 WAP-26 DUP collected on 07/11/22 11:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.15	0.050	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.041	0.010	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Boron	23	15	ug/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Calcium	19	0.25	mg/L	5.00	08/26/22 16:37	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Iron	0.55	0.050	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	1.8	0.050	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Potassium	1.1	0.10	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Sodium	3.5	0.10	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 16:40	EPA 6010D		KTH	B2H2183	RC-G

Sample Number 22H1276-19
Sample Description AF38162 WAP-7 collected on 07/13/22 10:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.12	0.050	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.039	0.010	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Boron	4000	15	ug/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Calcium	870	25	mg/L	500	08/26/22 16:47	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Iron	0.43	0.050	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Lithium	ND	10	ug/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	16	0.25	mg/L	5.00	08/26/22 16:54	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Potassium	5.6	0.10	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G
Sodium	15	0.50	mg/L	5.00	08/26/22 16:54	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 16:58	EPA 6010D		KTH	B2H2183	RC-G



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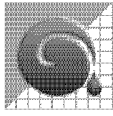
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Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-20
Sample Description AF38185 WAP-23 collected on 07/13/22 12:25

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Barium	0.12	0.010	mg/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Boron	1300	15	ug/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Calcium	240	2.5	mg/L	50.0	08/26/22 17:18	EPA 6010D		KTH	B2H2183	RC-G
Copper	ND	0.005	mg/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Iron	8.5	0.25	mg/L	5.00	08/26/22 17:21	EPA 6010D		KTH	B2H2183	RC-G
Lead	ND	0.010	mg/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Lithium	18	10	ug/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Magnesium	12	0.25	mg/L	5.00	08/26/22 17:21	EPA 6010D		KTH	B2H2183	RC-G
Molybdenum	ND	10	ug/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Nickel	ND	0.010	mg/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Potassium	2.8	0.10	mg/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G
Sodium	42	5.0	mg/L	50.0	08/26/22 17:18	EPA 6010D		KTH	B2H2183	RC-G
Zinc	ND	0.010	mg/L	1.00	08/26/22 17:25	EPA 6010D		KTH	B2H2183	RC-G



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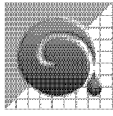
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Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-21
Sample Description AF38186 WAP-24 collected on 07/13/22 15:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.052	0.050	mg/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Barium	ND	0.010	mg/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Boron	300	15	ug/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Calcium	120	2.5	mg/L	50.0	09/01/22 18:33	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Iron	0.20	0.050	mg/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	8.5	0.25	mg/L	5.00	08/30/22 11:27	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Potassium	5.6	0.10	mg/L	1.00	08/30/22 11:37	EPA 6010D	S1	KTH	B2H2259	RC-G
Sodium	28	5.0	mg/L	50.0	08/30/22 11:17	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 11:37	EPA 6010D		KTH	B2H2259	RC-G
Rebatch Sample Number: 22H1276-21RE1										
Potassium	5.4	0.10	mg/L	1.00	09/01/22 13:16	EPA 6010D	S1	KTH	B2H2214	RC-G



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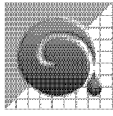
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Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-22
Sample Description AF38183 WAP-21 collected on 07/14/22 10:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.91	0.050	mg/L	1.00	08/30/22 12:42	EPA 6010D	S1	KTH	B2H2259	RC-G
Barium	0.031	0.010	mg/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Boron	2500	15	ug/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Calcium	90	2.5	mg/L	50.0	09/01/22 18:46	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Iron	0.83	0.050	mg/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	13	0.25	mg/L	5.00	08/30/22 12:18	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Potassium	10	0.50	mg/L	5.00	08/30/22 12:18	EPA 6010D		KTH	B2H2259	RC-G
Sodium	16	0.50	mg/L	5.00	08/30/22 12:18	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 12:42	EPA 6010D		KTH	B2H2259	RC-G
Rebatch Sample Number: 22H1276-22RE1										
Aluminum	0.72	0.050	mg/L	1.00	09/01/22 13:50	EPA 6010D	S1	KTH	B2H2214	RC-G



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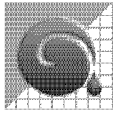
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-23
Sample Description AF38177 WAP-16 collected on 07/14/22 12:48

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.19	0.050	mg/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.069	0.010	mg/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Boron	1500	15	ug/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Calcium	190	5.0	mg/L	100	09/01/22 18:50	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Iron	7.2	0.25	mg/L	5.00	08/30/22 13:09	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	19	0.25	mg/L	5.00	08/30/22 13:09	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G
Potassium	14	0.10	mg/L	1.00	09/01/22 15:50	EPA 6010D		KTH	B2H2259	RC-G
Sodium	130	5.0	mg/L	50.0	08/30/22 13:06	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 13:13	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-24
Sample Description AF38170 WAP-13 collected on 07/18/22 13:12

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.27	0.010	mg/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Boron	3900	15	ug/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Calcium	430	25	mg/L	500	09/01/22 18:53	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Iron	62	2.5	mg/L	50.0	08/30/22 13:43	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	31	2.5	mg/L	50.0	08/30/22 13:43	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G
Potassium	3.7	0.10	mg/L	1.00	09/01/22 15:53	EPA 6010D		KTH	B2H2259	RC-G
Sodium	120	5.0	mg/L	50.0	08/30/22 13:43	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 13:50	EPA 6010D		KTH	B2H2259	RC-G



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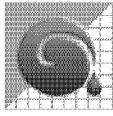
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-25
Sample Description AF38176 WAP-15 collected on 07/18/22 14:30

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.16	0.010	mg/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Boron	500	15	ug/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Calcium	53	2.5	mg/L	50.0	09/01/22 17:26	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Iron	13	0.25	mg/L	5.00	08/30/22 14:04	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Lithium	19	10	ug/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	8.7	0.25	mg/L	5.00	08/30/22 14:04	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G
Potassium	3.2	0.10	mg/L	1.00	09/01/22 15:57	EPA 6010D		KTH	B2H2259	RC-G
Sodium	18	0.50	mg/L	5.00	08/30/22 14:04	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 14:07	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-26
Sample Description AF38171 WAP-14 collected on 07/20/22 14:12

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.080	0.050	mg/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.049	0.010	mg/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Boron	8400	75	ug/L	5.00	08/30/22 14:31	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Calcium	990	25	mg/L	500	09/06/22 13:53	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Iron	ND	0.050	mg/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	31	2.5	mg/L	50.0	08/30/22 14:27	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G
Potassium	23	0.10	mg/L	1.00	09/01/22 16:00	EPA 6010D		KTH	B2H2259	RC-G
Sodium	120	5.0	mg/L	50.0	08/30/22 14:27	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 14:35	EPA 6010D		KTH	B2H2259	RC-G



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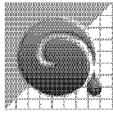
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-27
Sample Description AF38172 WAP-14 DUP collected on 07/20/22 14:17

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.074	0.050	mg/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.049	0.010	mg/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Boron	8500	75	ug/L	5.00	08/30/22 14:48	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Calcium	890	25	mg/L	500	09/01/22 18:56	EPA 6010D		KTH	B2H2424	RC-G
Copper	0.008	0.005	mg/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Iron	ND	0.050	mg/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	35	2.5	mg/L	50.0	08/30/22 14:45	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G
Potassium	22	0.10	mg/L	1.00	09/01/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Sodium	140	5.0	mg/L	50.0	08/30/22 14:45	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 14:52	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-28
Sample Description AF38173 WAP-14A collected on 07/20/22 11:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.061	0.050	mg/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.089	0.010	mg/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Boron	6200	75	ug/L	5.00	08/30/22 15:16	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Calcium	930	25	mg/L	500	09/01/22 19:00	EPA 6010D		KTH	B2H2424	RC-G
Copper	0.007	0.005	mg/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Iron	ND	0.050	mg/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Lithium	38	10	ug/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	49	2.5	mg/L	50.0	08/30/22 15:12	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G
Potassium	19	0.10	mg/L	1.00	09/01/22 16:08	EPA 6010D		KTH	B2H2259	RC-G
Sodium	130	5.0	mg/L	50.0	08/30/22 15:12	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 15:19	EPA 6010D		KTH	B2H2259	RC-G



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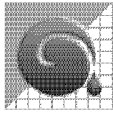
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-29
Sample Description AF38174 WAP-14B collected on 07/20/22 12:20

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.055	0.050	mg/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.15	0.010	mg/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G
Boron	6400	75	ug/L	5.00	08/30/22 15:33	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G
Calcium	750	25	mg/L	500	09/01/22 19:03	EPA 6010D		KTH	B2H2424	RC-G
Copper	0.006	0.005	mg/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G
Iron	13	0.25	mg/L	5.00	08/30/22 15:33	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G
Lithium	11	10	ug/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	31	2.5	mg/L	50.0	08/30/22 15:29	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G
Potassium	9.3	0.10	mg/L	1.00	09/01/22 16:11	EPA 6010D		KTH	B2H2259	RC-G
Sodium	99	5.0	mg/L	50.0	08/30/22 15:29	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 15:36	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-30
Sample Description AF38175 WAP-14C collected on 07/20/22 13:17

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.080	0.010	mg/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Boron	160	15	ug/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Calcium	160	5.0	mg/L	100	09/01/22 19:07	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Iron	6.7	0.25	mg/L	5.00	08/30/22 16:00	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Lithium	12	10	ug/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	8.6	0.25	mg/L	5.00	08/30/22 16:00	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G
Potassium	6.4	0.10	mg/L	1.00	09/01/22 16:18	EPA 6010D		KTH	B2H2259	RC-G
Sodium	71	5.0	mg/L	50.0	08/30/22 15:57	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 16:04	EPA 6010D		KTH	B2H2259	RC-G



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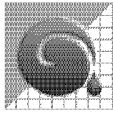
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-31
Sample Description AF38182 WAP-20 collected on 07/28/22 11:00

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	51	2.5	mg/L	50.0	08/30/22 16:14	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.090	0.010	mg/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G
Boron	1300	15	ug/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G
Calcium	34	2.5	mg/L	50.0	09/01/22 19:10	EPA 6010D		KTH	B2H2424	RC-G
Copper	0.011	0.005	mg/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G
Iron	84	2.5	mg/L	50.0	08/30/22 16:14	EPA 6010D		KTH	B2H2259	RC-G
Lead	0.050	0.010	mg/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G
Lithium	210	10	ug/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	12	0.25	mg/L	5.00	08/30/22 16:17	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	84	10	ug/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G
Nickel	0.018	0.010	mg/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G
Potassium	5.6	0.10	mg/L	1.00	09/01/22 16:32	EPA 6010D		KTH	B2H2259	RC-G
Sodium	33	5.0	mg/L	50.0	08/30/22 16:14	EPA 6010D		KTH	B2H2259	RC-G
Zinc	0.040	0.010	mg/L	1.00	08/30/22 16:21	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-32
Sample Description AF38199 WLF-A2-2 collected on 07/17/22 11:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.086	0.050	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.055	0.010	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Boron	1800	15	ug/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Calcium	130	2.5	mg/L	50.0	09/01/22 19:17	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Iron	3.2	0.050	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Lithium	100	10	ug/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	4.1	0.050	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G
Potassium	4.7	0.10	mg/L	1.00	09/01/22 16:35	EPA 6010D		KTH	B2H2259	RC-G
Sodium	11	0.50	mg/L	5.00	08/30/22 16:45	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 16:48	EPA 6010D		KTH	B2H2259	RC-G



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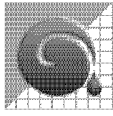
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-33
Sample Description AF38198 WLF-A2-1 collected on 07/17/22 12:37

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.44	0.050	mg/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.079	0.010	mg/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Boron	1600	15	ug/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Calcium	99	2.5	mg/L	50.0	09/01/22 19:30	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Iron	1.6	0.050	mg/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Lithium	41	10	ug/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	7.8	0.25	mg/L	5.00	08/30/22 17:02	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G
Potassium	6.0	0.10	mg/L	1.00	09/01/22 16:39	EPA 6010D		KTH	B2H2259	RC-G
Sodium	22	0.50	mg/L	5.00	08/30/22 17:02	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 17:05	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-34
Sample Description AF38180 WAP-18 collected on 07/17/22 14:43

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.24	0.050	mg/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.076	0.010	mg/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Boron	1700	15	ug/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Calcium	76	2.5	mg/L	50.0	09/01/22 19:34	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Iron	1.2	0.050	mg/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Lithium	50	10	ug/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	5.8	0.25	mg/L	5.00	08/30/22 17:29	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	190	10	ug/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G
Potassium	7.6	0.10	mg/L	1.00	09/01/22 16:42	EPA 6010D		KTH	B2H2259	RC-G
Sodium	38	5.0	mg/L	50.0	08/30/22 17:25	EPA 6010D		KTH	B2H2259	RC-G
Zinc	0.015	0.010	mg/L	1.00	08/30/22 17:32	EPA 6010D		KTH	B2H2259	RC-G



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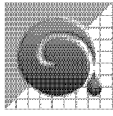
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-35
Sample Description AF38193 WLF-A1-2 collected on 07/11/22 13:38

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	2.0	0.050	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.049	0.010	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Boron	110	15	ug/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Calcium	32	2.5	mg/L	50.0	09/01/22 19:37	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Iron	3.2	0.050	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	0.74	0.050	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Potassium	0.49	0.10	mg/L	1.00	09/01/22 16:46	EPA 6010D		KTH	B2H2259	RC-G
Sodium	2.1	0.10	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 17:49	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-36
Sample Description AF38194 WLF-A1-3 collected on 07/11/22 14:41

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	3.1	0.050	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.036	0.010	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Boron	260	15	ug/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Calcium	18	0.50	mg/L	10.0	09/01/22 19:40	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Iron	0.51	0.050	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	0.47	0.050	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Potassium	0.57	0.10	mg/L	1.00	09/01/22 16:49	EPA 6010D		KTH	B2H2259	RC-G
Sodium	2.4	0.10	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 18:16	EPA 6010D		KTH	B2H2259	RC-G



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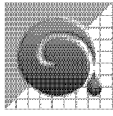
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-37
Sample Description AF38195 WLF-A1-4 collected on 07/11/22 15:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.14	0.050	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.036	0.010	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Boron	220	15	ug/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Calcium	76	2.5	mg/L	50.0	09/01/22 19:44	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Iron	2.6	0.050	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	1.4	0.050	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Potassium	1.3	0.10	mg/L	1.00	09/01/22 16:53	EPA 6010D		KTH	B2H2259	RC-G
Sodium	2.7	0.10	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 18:33	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-38
Sample Description AF38196 WLF-A1-4DUP collected on 07/11/22 15:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.13	0.050	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.035	0.010	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Boron	210	15	ug/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Calcium	79	2.5	mg/L	50.0	09/01/22 19:47	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Iron	2.5	0.050	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	1.3	0.050	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Potassium	1.3	0.10	mg/L	1.00	09/01/22 16:56	EPA 6010D		KTH	B2H2259	RC-G
Sodium	2.6	0.10	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 19:00	EPA 6010D		KTH	B2H2259	RC-G



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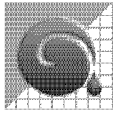
Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-39
Sample Description AF38191 WBW-A1-1 collected on 07/12/22 10:44

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	1.0	0.050	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.13	0.010	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Boron	47	15	ug/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Calcium	76	2.5	mg/L	50.0	09/01/22 19:50	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Iron	3.8	0.050	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	2.6	0.050	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G
Potassium	4.2	0.10	mg/L	1.00	09/01/22 17:03	EPA 6010D		KTH	B2H2259	RC-G
Sodium	13	0.50	mg/L	5.00	08/30/22 19:14	EPA 6010D		KTH	B2H2259	RC-G
Zinc	ND	0.010	mg/L	1.00	08/30/22 19:17	EPA 6010D		KTH	B2H2259	RC-G

Sample Number 22H1276-40
Sample Description AF38197 WLF-A1-5 collected on 07/12/22 13:58

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Barium	0.037	0.010	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Boron	1900	15	ug/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Calcium	290	5.0	mg/L	100	09/01/22 19:54	EPA 6010D		KTH	B2H2424	RC-G
Copper	ND	0.005	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Iron	3.0	0.050	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Lead	ND	0.010	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Lithium	ND	10	ug/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Magnesium	32	2.5	mg/L	50.0	08/30/22 19:38	EPA 6010D		KTH	B2H2259	RC-G
Molybdenum	ND	10	ug/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Nickel	ND	0.010	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Potassium	8.9	0.10	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G
Sodium	17	0.50	mg/L	5.00	08/30/22 19:41	EPA 6010D		KTH	B2H2259	RC-G
Zinc	0.023	0.010	mg/L	1.00	08/30/22 19:45	EPA 6010D		KTH	B2H2259	RC-G



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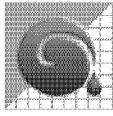
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Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-41
Sample Description AF38192 WLF-A1-1 collected on 07/12/22 14:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.16	0.050	mg/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Antimony	ND	0.005	mg/L	1.00	09/09/22 19:27	EPA 6020B	Z	JIP	B2H2325	RC-G
Arsenic	ND	0.005	mg/L	1.00	09/09/22 19:27	EPA 6020B		JIP	B2H2325	RC-G
Barium	0.037	0.010	mg/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Boron	880	15	ug/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Cadmium	ND	0.004	mg/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Calcium	310	25	mg/L	500	09/01/22 14:11	EPA 6010D		KTH	B2H2214	RC-G
Copper	ND	0.005	mg/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Iron	11	0.25	mg/L	5.00	09/01/22 14:17	EPA 6010D		KTH	B2H2214	RC-G
Lead	ND	0.010	mg/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Lithium	ND	10	ug/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Magnesium	9.8	0.25	mg/L	5.00	09/01/22 14:17	EPA 6010D		KTH	B2H2214	RC-G
Molybdenum	ND	10	ug/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Nickel	ND	0.010	mg/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Potassium	5.5	0.10	mg/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G
Selenium	ND	0.005	mg/L	1.00	09/09/22 19:27	EPA 6020B		JIP	B2H2325	RC-G
Sodium	9.2	0.50	mg/L	5.00	09/01/22 14:17	EPA 6010D		KTH	B2H2214	RC-G
Thallium	ND	0.001	mg/L	1.00	09/09/22 19:27	EPA 6020B		JIP	B2H2325	RC-G
Zinc	ND	0.010	mg/L	1.00	09/01/22 14:21	EPA 6010D		KTH	B2H2214	RC-G



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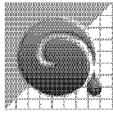
ENVIRONMENTAL

Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-42
Sample Description AF38178 WAP-17 collected on 07/12/22 12:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.075	0.050	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Antimony	ND	0.005	mg/L	1.00	09/09/22 20:04	EPA 6020B	Z	JIP	B2H2325	RC-G
Arsenic	0.095	0.005	mg/L	1.00	09/09/22 20:04	EPA 6020B		JIP	B2H2325	RC-G
Barium	0.041	0.010	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Boron	3800	15	ug/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Cadmium	ND	0.004	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Calcium	240	25	mg/L	500	09/01/22 14:41	EPA 6010D		KTH	B2H2214	RC-G
Copper	ND	0.005	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Iron	1.5	0.050	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Lead	ND	0.010	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Lithium	40	10	ug/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Magnesium	39	2.5	mg/L	50.0	09/01/22 14:55	EPA 6010D		KTH	B2H2214	RC-G
Molybdenum	25	10	ug/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Nickel	ND	0.010	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Potassium	17	0.10	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G
Selenium	ND	0.005	mg/L	1.00	09/09/22 20:04	EPA 6020B		JIP	B2H2325	RC-G
Sodium	64	5.0	mg/L	50.0	09/01/22 14:55	EPA 6010D		KTH	B2H2214	RC-G
Thallium	ND	0.001	mg/L	1.00	09/09/22 20:04	EPA 6020B		JIP	B2H2325	RC-G
Zinc	ND	0.010	mg/L	1.00	09/01/22 15:02	EPA 6010D		KTH	B2H2214	RC-G



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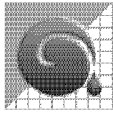
ENVIRONMENTAL

Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-43
Sample Description AF38179 WAP-17 DUP collected on 07/12/22 12:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.083	0.050	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Antimony	ND	0.005	mg/L	1.00	09/10/22 02:52	EPA 6020B	Z	JIP	B2H2327	RC-G
Arsenic	0.097	0.010	mg/L	2.00	09/09/22 23:58	EPA 6020B		JIP	B2H2327	RC-G
Barium	0.041	0.010	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Boron	4000	15	ug/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Calcium	250	25	mg/L	500	08/31/22 13:03	EPA 6010D		CAL	B2H2302	RC-G
Copper	ND	0.005	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Iron	1.5	0.050	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Lead	ND	0.010	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Lithium	40	10	ug/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Magnesium	37	2.5	mg/L	50.0	08/31/22 13:13	EPA 6010D		CAL	B2H2302	RC-G
Molybdenum	31	10	ug/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Nickel	ND	0.010	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Potassium	16	0.10	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G
Selenium	ND	0.010	mg/L	2.00	09/09/22 23:58	EPA 6020B		JIP	B2H2327	RC-G
Sodium	65	5.0	mg/L	50.0	09/09/22 11:07	EPA 6010D		KTH	B2H2302	RC-G
Thallium	ND	0.001	mg/L	1.00	09/10/22 02:52	EPA 6020B		JIP	B2H2327	RC-G
Zinc	ND	0.010	mg/L	1.00	08/31/22 13:34	EPA 6010D		CAL	B2H2302	RC-G



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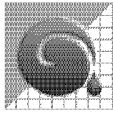
ENVIRONMENTAL

Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-44
Sample Description AF38181 WAP-19 collected on 07/13/22 11:08

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	1.7	0.050	mg/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Antimony	ND	0.005	mg/L	1.00	09/10/22 02:57	EPA 6020B	Z	JIP	B2H2327	RC-G
Arsenic	0.117	0.010	mg/L	2.00	09/10/22 00:03	EPA 6020B		JIP	B2H2327	RC-G
Barium	0.041	0.010	mg/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Boron	4100	15	ug/L	1.00	08/31/22 14:22	EPA 6010D	S1	CAL	B2H2302	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Calcium	320	25	mg/L	500	08/31/22 13:51	EPA 6010D		CAL	B2H2302	RC-G
Copper	ND	0.005	mg/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Iron	2.7	0.050	mg/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Lead	ND	0.010	mg/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Lithium	770	10	ug/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Magnesium	45	2.5	mg/L	50.0	08/31/22 14:01	EPA 6010D		CAL	B2H2302	RC-G
Molybdenum	50	10	ug/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Nickel	ND	0.010	mg/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G
Potassium	21	0.10	mg/L	1.00	08/31/22 14:22	EPA 6010D	S1	CAL	B2H2302	RC-G
Selenium	ND	0.010	mg/L	2.00	09/10/22 00:03	EPA 6020B		JIP	B2H2327	RC-G
Sodium	39	5.0	mg/L	50.0	09/09/22 11:27	EPA 6010D		KTH	B2H2302	RC-G
Thallium	ND	0.001	mg/L	1.00	09/10/22 02:57	EPA 6020B		JIP	B2H2327	RC-G
Zinc	ND	0.010	mg/L	1.00	08/31/22 14:22	EPA 6010D		CAL	B2H2302	RC-G



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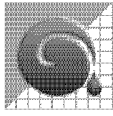
ENVIRONMENTAL

Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Number 22H1276-45
Sample Description AF38200 WLF-A2-6 collected on 07/14/22 11:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.097	0.050	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Antimony	ND	0.005	mg/L	1.00	09/09/22 20:42	EPA 6020B	Z	JIP	B2H2327	RC-G
Arsenic	0.005	0.005	mg/L	1.00	09/09/22 20:42	EPA 6020B		JIP	B2H2327	RC-G
Barium	0.038	0.010	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Boron	350	15	ug/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Cadmium	ND	0.004	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Calcium	130	2.5	mg/L	50.0	09/01/22 15:12	EPA 6010D		KTH	B2H2214	RC-G
Copper	ND	0.005	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Iron	0.44	0.050	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Lead	ND	0.010	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Lithium	34	10	ug/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Magnesium	7.8	0.25	mg/L	5.00	09/01/22 15:15	EPA 6010D		KTH	B2H2214	RC-G
Molybdenum	ND	10	ug/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Nickel	ND	0.010	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Potassium	4.9	0.10	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G
Selenium	ND	0.005	mg/L	1.00	09/09/22 20:42	EPA 6020B		JIP	B2H2327	RC-G
Sodium	5.6	0.50	mg/L	5.00	09/01/22 15:15	EPA 6010D		KTH	B2H2214	RC-G
Thallium	ND	0.001	mg/L	1.00	09/09/22 20:42	EPA 6020B		JIP	B2H2327	RC-G
Zinc	ND	0.010	mg/L	1.00	09/01/22 15:19	EPA 6010D		KTH	B2H2214	RC-G



Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

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 B2H2183 - EPA 3005A

Blank (B2H2183-BLK1)

Aluminum	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
Potassium	ND	0.10	mg/L								RC-G
Sodium	ND	0.10	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G

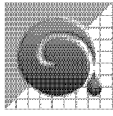
LCS (B2H2183-BS1)

Aluminum	0.47	0.050	mg/L	0.500		95	80-120				RC-G
Barium	0.47	0.010	mg/L	0.500		95	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	0.50	0.050	mg/L	0.500		99	80-120				RC-G
Copper	0.48	0.005	mg/L	0.500		96	80-120				RC-G
Iron	0.47	0.050	mg/L	0.500		95	80-120				RC-G
Lead	0.48	0.010	mg/L	0.500		96	80-120				RC-G
Lithium	479	10	ug/L	500		96	80-120				RC-G
Magnesium	0.48	0.050	mg/L	0.500		96	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	5.2	0.10	mg/L	5.00		104	80-120				RC-G
Sodium	0.49	0.10	mg/L	0.500		97	80-120				RC-G
Zinc	0.48	0.010	mg/L	0.500		96	80-120				RC-G

Matrix Spike (B2H2183-MS1)

Source: 22H1276-04

Aluminum	0.55	0.050	mg/L	0.500	ND	103	75-125				RC-G
Barium	0.70	0.010	mg/L	0.500	0.21	97	75-125				RC-G



Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

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 B2H2183 - EPA 3005A

Matrix Spike (B2H2183-MS1) Source: 22H1276-04

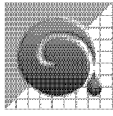
Boron	9200	15	ug/L	500	8300	170	75-125			S3	RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	97	75-125				RC-G
Calcium	190	0.050	mg/L	0.500	560	NR	75-125			S3	RC-G
Copper	0.53	0.005	mg/L	0.500	0.011	103	75-125				RC-G
Iron	18	0.050	mg/L	0.500	18	25	75-125			S3	RC-G
Lead	0.46	0.010	mg/L	0.500	ND	93	75-125				RC-G
Lithium	636	10	ug/L	500	26	122	75-125				RC-G
Magnesium	42	0.050	mg/L	0.500	78	NR	75-125			S3	RC-G
Molybdenum	480	10	ug/L	500	ND	96	75-125				RC-G
Nickel	0.46	0.010	mg/L	0.500	ND	93	75-125				RC-G
Potassium	35	0.10	mg/L	5.00	24	215	75-125			S3	RC-G
Zinc	0.46	0.010	mg/L	0.500	ND	92	75-125				RC-G

Matrix Spike (B2H2183-MS2) Source: 22H1276-05

Aluminum	0.54	0.050	mg/L	0.500	ND	101	75-125				RC-G
Barium	0.68	0.010	mg/L	0.500	0.21	94	75-125				RC-G
Boron	8800	15	ug/L	500	8100	142	75-125			S3	RC-G
Cadmium	0.47	0.004	mg/L	0.500	ND	95	75-125				RC-G
Calcium	180	0.050	mg/L	0.500	490	NR	75-125			S3	RC-G
Copper	0.51	0.005	mg/L	0.500	0.023	98	75-125				RC-G
Iron	17	0.050	mg/L	0.500	17	16	75-125			S3	RC-G
Lead	0.46	0.010	mg/L	0.500	ND	91	75-125				RC-G
Lithium	613	10	ug/L	500	26	117	75-125				RC-G
Magnesium	41	0.050	mg/L	0.500	71	NR	75-125			S3	RC-G
Molybdenum	470	10	ug/L	500	ND	93	75-125				RC-G
Nickel	0.45	0.010	mg/L	0.500	ND	90	75-125				RC-G
Potassium	34	0.10	mg/L	5.00	23	215	75-125			S3	RC-G
Zinc	0.45	0.010	mg/L	0.500	ND	89	75-125				RC-G

Matrix Spike Dup (B2H2183-MSD1) Source: 22H1276-04

Aluminum	0.56	0.050	mg/L	0.500	ND	105	75-125	2	20		RC-G
Barium	0.70	0.010	mg/L	0.500	0.21	97	75-125	0.3	20		RC-G
Boron	9100	15	ug/L	500	8300	163	75-125	0.4	20	S3	RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	98	75-125	0.6	20		RC-G
Calcium	190	0.050	mg/L	0.500	560	NR	75-125	0.1	20	S3	RC-G
Copper	0.53	0.005	mg/L	0.500	0.011	104	75-125	0.2	20		RC-G



Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

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 B2H2183 - EPA 3005A

Matrix Spike Dup (B2H2183-MSD1) Source: 22H1276-04

Iron	18	0.050	mg/L	0.500	18	9	75-125	0.4	20	S3	RC-G
Lead	0.47	0.010	mg/L	0.500	ND	93	75-125	0.8	20		RC-G
Lithium	637	10	ug/L	500	26	122	75-125	0.1	20		RC-G
Magnesium	42	0.050	mg/L	0.500	78	NR	75-125	0.6	20	S3	RC-G
Molybdenum	490	10	ug/L	500	ND	98	75-125	2	20		RC-G
Nickel	0.47	0.010	mg/L	0.500	ND	94	75-125	0.9	20		RC-G
Potassium	35	0.10	mg/L	5.00	24	210	75-125	0.8	20	S3	RC-G
Zinc	0.46	0.010	mg/L	0.500	ND	92	75-125	0.5	20		RC-G

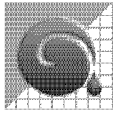
Matrix Spike Dup (B2H2183-MSD2) Source: 22H1276-05

Aluminum	0.55	0.050	mg/L	0.500	ND	104	75-125	2	20		RC-G
Barium	0.71	0.010	mg/L	0.500	0.21	99	75-125	4	20		RC-G
Boron	9400	15	ug/L	500	8100	245	75-125	6	20	S3	RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	97	75-125	2	20		RC-G
Calcium	190	0.050	mg/L	0.500	490	NR	75-125	3	20	S3	RC-G
Copper	0.53	0.005	mg/L	0.500	0.023	100	75-125	3	20		RC-G
Iron	18	0.050	mg/L	0.500	17	217	75-125	6	20	S3	RC-G
Lead	0.47	0.010	mg/L	0.500	ND	93	75-125	2	20		RC-G
Lithium	676	10	ug/L	500	26	130	75-125	10	20	S1	RC-G
Magnesium	42	0.050	mg/L	0.500	71	NR	75-125	3	20	S3	RC-G
Molybdenum	480	10	ug/L	500	ND	97	75-125	3	20		RC-G
Nickel	0.46	0.010	mg/L	0.500	ND	92	75-125	2	20		RC-G
Potassium	36	0.10	mg/L	5.00	23	261	75-125	7	20	S3	RC-G
Zinc	0.45	0.010	mg/L	0.500	ND	91	75-125	2	20		RC-G

Batch B2H2214 - EPA 3005A

Blank (B2H2214-BLK1)

Aluminum	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



Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

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 B2H2214 - EPA 3005A

Blank (B2H2214-BLK1)

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
Sodium	ND	0.10	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G

LCS (B2H2214-BS1)

Aluminum	0.49	0.050	mg/L	0.500		98	80-120				RC-G
Barium	0.51	0.010	mg/L	0.500		103	80-120				RC-G
Boron	480	15	ug/L	500		97	80-120				RC-G
Cadmium	0.50	0.004	mg/L	0.500		100	80-120				RC-G
Calcium	0.50	0.050	mg/L	0.500		99	80-120				RC-G
Copper	0.49	0.005	mg/L	0.500		98	80-120				RC-G
Iron	0.59	0.050	mg/L	0.500		119	80-120				RC-G
Lead	0.52	0.010	mg/L	0.500		103	80-120				RC-G
Lithium	497	10	ug/L	500		99	80-120				RC-G
Magnesium	0.52	0.050	mg/L	0.500		104	80-120				RC-G
Molybdenum	500	10	ug/L	500		100	80-120				RC-G
Nickel	0.51	0.010	mg/L	0.500		103	80-120				RC-G
Potassium	5.6	0.10	mg/L	5.00		111	80-120				RC-G
Sodium	0.51	0.10	mg/L	0.500		102	80-120				RC-G
Zinc	0.52	0.010	mg/L	0.500		105	80-120				RC-G

Matrix Spike (B2H2214-MS3)

Source: 22H1276-05RE1

Lithium	654	10	ug/L	500	28	125	75-125			S1	RC-G
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Matrix Spike (B2H2214-MS4)

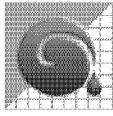
Source: 22H1276-21RE1

Potassium	11	0.10	mg/L	5.00	5.4	110	75-125				RC-G
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Matrix Spike (B2H2214-MS5)

Source: 22H1276-22RE1

Aluminum	1.4	0.050	mg/L	0.500	0.72	128	75-125			S1	RC-G
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Santee Cooper
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Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

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 B2H2214 - EPA 3005A

Matrix Spike Dup (B2H2214-MSD3) Source: 22H1276-05RE1

Lithium	643	10	ug/L	500	28	123	75-125	2	20		RC-G
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Matrix Spike Dup (B2H2214-MSD4) Source: 22H1276-21RE1

Potassium	12	0.10	mg/L	5.00	5.4	123	75-125	6	20		RC-G
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Matrix Spike Dup (B2H2214-MSD5) Source: 22H1276-22RE1

Aluminum	1.4	0.050	mg/L	0.500	0.72	128	75-125	0.02	20	S1	RC-G
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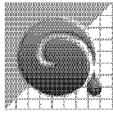
Batch B2H2259 - EPA 3005A

Blank (B2H2259-BLK1)

Aluminum	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
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
Potassium	ND	0.10	mg/L								RC-G
Sodium	ND	0.10	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G

LCS (B2H2259-BS1)

Aluminum	0.49	0.050	mg/L	0.500		99	80-120				RC-G
Barium	0.50	0.010	mg/L	0.500		100	80-120				RC-G
Boron	490	15	ug/L	500		98	80-120				RC-G
Cadmium	0.50	0.004	mg/L	0.500		99	80-120				RC-G
Copper	0.49	0.005	mg/L	0.500		99	80-120				RC-G
Iron	0.53	0.050	mg/L	0.500		106	80-120				RC-G
Lead	0.50	0.010	mg/L	0.500		101	80-120				RC-G
Lithium	487	10	ug/L	500		97	80-120				RC-G
Magnesium	0.51	0.050	mg/L	0.500		102	80-120				RC-G
Molybdenum	490	10	ug/L	500		98	80-120				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 B2H2259 - EPA 3005A

LCS (B2H2259-BS1)

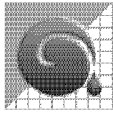
Nickel	0.50	0.010	mg/L	0.500		100	80-120				RC-G
Potassium	5.5	0.10	mg/L	5.00		110	80-120				RC-G
Sodium	0.51	0.10	mg/L	0.500		101	80-120				RC-G
Zinc	0.52	0.010	mg/L	0.500		103	80-120				RC-G

Matrix Spike (B2H2259-MS1) Source: 22H1276-21

Aluminum	0.56	0.050	mg/L	0.500	0.052	102	75-125				RC-G
Barium	0.51	0.010	mg/L	0.500	ND	100	75-125				RC-G
Boron	820	15	ug/L	500	300	104	75-125				RC-G
Cadmium	0.50	0.004	mg/L	0.500	ND	100	75-125				RC-G
Copper	0.51	0.005	mg/L	0.500	ND	102	75-125				RC-G
Iron	0.75	0.050	mg/L	0.500	0.20	110	75-125				RC-G
Lead	0.50	0.010	mg/L	0.500	ND	100	75-125				RC-G
Lithium	543	10	ug/L	500	ND	108	75-125				RC-G
Magnesium	8.7	0.050	mg/L	0.500	8.5	51	75-125			S3	RC-G
Molybdenum	510	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	12	0.10	mg/L	5.00	5.6	126	75-125			S1	RC-G
Sodium	24	0.10	mg/L	0.500	28	NR	75-125			S3	RC-G
Zinc	0.52	0.010	mg/L	0.500	ND	104	75-125				RC-G

Matrix Spike (B2H2259-MS2) Source: 22H1276-22

Aluminum	1.6	0.050	mg/L	0.500	0.91	134	75-125			S1	RC-G
Barium	0.53	0.010	mg/L	0.500	0.031	100	75-125				RC-G
Boron	3000	15	ug/L	500	2500	106	75-125				RC-G
Cadmium	0.50	0.004	mg/L	0.500	ND	100	75-125				RC-G
Copper	0.51	0.005	mg/L	0.500	ND	102	75-125				RC-G
Iron	1.4	0.050	mg/L	0.500	0.83	105	75-125				RC-G
Lead	0.50	0.010	mg/L	0.500	ND	100	75-125				RC-G
Lithium	574	10	ug/L	500	ND	115	75-125				RC-G
Magnesium	12	0.050	mg/L	0.500	13	NR	75-125			S3	RC-G
Molybdenum	510	10	ug/L	500	ND	102	75-125				RC-G
Nickel	0.50	0.010	mg/L	0.500	ND	100	75-125				RC-G
Potassium	15	0.10	mg/L	5.00	10	101	75-125				RC-G
Sodium	16	0.10	mg/L	0.500	16	NR	75-125			S3	RC-G
Zinc	0.51	0.010	mg/L	0.500	ND	102	75-125				RC-G



Santee Cooper
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Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

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 B2H2259 - EPA 3005A

Matrix Spike Dup (B2H2259-MSD1) Source: 22H1276-21

Aluminum	0.56	0.050	mg/L	0.500	0.052	101	75-125	1	20		RC-G
Barium	0.51	0.010	mg/L	0.500	ND	101	75-125	0.4	20		RC-G
Boron	830	15	ug/L	500	300	105	75-125	0.6	20		RC-G
Cadmium	0.50	0.004	mg/L	0.500	ND	100	75-125	0.3	20		RC-G
Copper	0.51	0.005	mg/L	0.500	ND	102	75-125	0.3	20		RC-G
Iron	0.72	0.050	mg/L	0.500	0.20	105	75-125	4	20		RC-G
Lead	0.50	0.010	mg/L	0.500	ND	100	75-125	0.7	20		RC-G
Lithium	558	10	ug/L	500	ND	111	75-125	3	20		RC-G
Magnesium	8.8	0.050	mg/L	0.500	8.5	56	75-125	0.3	20	S3	RC-G
Molybdenum	510	10	ug/L	500	ND	103	75-125	2	20		RC-G
Nickel	0.50	0.010	mg/L	0.500	ND	100	75-125	0.4	20		RC-G
Potassium	12	0.10	mg/L	5.00	5.6	127	75-125	0.4	20	S1	RC-G
Sodium	24	0.10	mg/L	0.500	28	NR	75-125	0.3	20	S3	RC-G
Zinc	0.52	0.010	mg/L	0.500	ND	103	75-125	0.3	20		RC-G

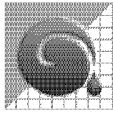
Matrix Spike Dup (B2H2259-MSD2) Source: 22H1276-22

Aluminum	1.6	0.050	mg/L	0.500	0.91	134	75-125	0.2	20	S1	RC-G
Barium	0.53	0.010	mg/L	0.500	0.031	100	75-125	0.2	20		RC-G
Boron	3000	15	ug/L	500	2500	111	75-125	0.9	20		RC-G
Cadmium	0.50	0.004	mg/L	0.500	ND	99	75-125	0.1	20		RC-G
Copper	0.51	0.005	mg/L	0.500	ND	101	75-125	0.2	20		RC-G
Iron	1.4	0.050	mg/L	0.500	0.83	105	75-125	0.01	20		RC-G
Lead	0.50	0.010	mg/L	0.500	ND	100	75-125	0.4	20		RC-G
Lithium	544	10	ug/L	500	ND	109	75-125	5	20		RC-G
Magnesium	12	0.050	mg/L	0.500	13	NR	75-125	0.9	20	S3	RC-G
Molybdenum	510	10	ug/L	500	ND	103	75-125	0.9	20		RC-G
Nickel	0.50	0.010	mg/L	0.500	ND	100	75-125	0.1	20		RC-G
Potassium	15	0.10	mg/L	5.00	10	103	75-125	0.6	20		RC-G
Sodium	16	0.10	mg/L	0.500	16	NR	75-125	0.5	20	S3	RC-G
Zinc	0.51	0.010	mg/L	0.500	ND	102	75-125	0.2	20		RC-G

Batch B2H2302 - EPA 3005A

Blank (B2H2302-BLK1)

Aluminum	ND	0.050	mg/L								RC-G
Barium	ND	0.010	mg/L								RC-G



Santee Cooper
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Project: Ground Water
Work Order: 22H1276
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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 B2H2302 - EPA 3005A

Blank (B2H2302-BLK1)

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
Potassium	ND	0.10	mg/L								RC-G
Sodium	ND	0.10	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G

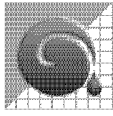
LCS (B2H2302-BS1)

Aluminum	0.49	0.050	mg/L	0.500		98	80-120				RC-G
Barium	0.50	0.010	mg/L	0.500		100	80-120				RC-G
Boron	510	15	ug/L	500		101	80-120				RC-G
Cadmium	0.50	0.004	mg/L	0.500		100	80-120				RC-G
Calcium	0.51	0.050	mg/L	0.500		103	80-120				RC-G
Copper	0.51	0.005	mg/L	0.500		102	80-120				RC-G
Iron	0.50	0.050	mg/L	0.500		100	80-120				RC-G
Lead	0.51	0.010	mg/L	0.500		101	80-120				RC-G
Lithium	493	10	ug/L	500		99	80-120				RC-G
Magnesium	0.50	0.050	mg/L	0.500		100	80-120				RC-G
Molybdenum	500	10	ug/L	500		100	80-120				RC-G
Nickel	0.51	0.010	mg/L	0.500		101	80-120				RC-G
Potassium	5.3	0.10	mg/L	5.00		106	80-120				RC-G
Sodium	0.53	0.10	mg/L	0.500		107	80-120				RC-G
Zinc	0.51	0.010	mg/L	0.500		101	80-120				RC-G

Duplicate (B2H2302-DUP1)

Source: 22H1276-43

Aluminum	0.081	0.050	mg/L		0.083			2	20		RC-G
Barium	0.041	0.010	mg/L		0.041			0.4	20		RC-G
Boron	4000	15	ug/L		4000			0.7	20		RC-G
Cadmium	ND	0.004	mg/L		ND				20		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 B2H2302 - EPA 3005A

Duplicate (B2H2302-DUP1)

Source: 22H1276-43

Calcium	110	0.050	mg/L		250			78	20	P4	RC-G
Copper	ND	0.005	mg/L		ND				20		RC-G
Iron	1.5	0.050	mg/L		1.5			0.5	20		RC-G
Lead	ND	0.010	mg/L		ND				20		RC-G
Lithium	40	10	ug/L		40			0.5	20		RC-G
Magnesium	25	0.050	mg/L		37			36	20	P4	RC-G
Molybdenum	31	10	ug/L		31			2	20		RC-G
Nickel	ND	0.010	mg/L		ND				20		RC-G
Potassium	16	0.10	mg/L		16			0.5	20		RC-G
Sodium	67	5.0	mg/L		65			3	20		RC-G
Zinc	ND	0.010	mg/L		ND				20		RC-G

Matrix Spike (B2H2302-MS1)

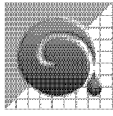
Source: 22H1276-43

Aluminum	0.56	0.050	mg/L	0.500	0.083	94	75-125				RC-G
Barium	0.50	0.010	mg/L	0.500	0.041	92	75-125				RC-G
Boron	4400	15	ug/L	500	4000	84	75-125				RC-G
Cadmium	0.46	0.004	mg/L	0.500	ND	92	75-125				RC-G
Calcium	110	0.050	mg/L	0.500	250	NR	75-125			S3	RC-G
Copper	0.49	0.005	mg/L	0.500	ND	98	75-125				RC-G
Iron	1.9	0.050	mg/L	0.500	1.5	88	75-125				RC-G
Lead	0.45	0.010	mg/L	0.500	ND	90	75-125				RC-G
Lithium	582	10	ug/L	500	40	108	75-125				RC-G
Magnesium	25	0.050	mg/L	0.500	37	NR	75-125			S3	RC-G
Molybdenum	490	10	ug/L	500	31	92	75-125				RC-G
Potassium	22	0.10	mg/L	5.00	16	104	75-125				RC-G
Sodium	67	5.0	mg/L	0.500	65	365	75-125			S4	RC-G
Zinc	0.45	0.010	mg/L	0.500	ND	90	75-125				RC-G

Matrix Spike (B2H2302-MS2)

Source: 22H1276-44

Aluminum	2.3	0.050	mg/L	0.500	1.7	111	75-125				RC-G
Barium	0.53	0.010	mg/L	0.500	0.041	98	75-125				RC-G
Boron	4800	15	ug/L	500	4100	131	75-125			S1	RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	98	75-125				RC-G
Calcium	150	0.050	mg/L	0.500	320	NR	75-125			S3	RC-G
Copper	0.52	0.005	mg/L	0.500	ND	105	75-125				RC-G
Iron	3.3	0.050	mg/L	0.500	2.7	113	75-125				RC-G



Santee Cooper
1 Riverwood Dr.
Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

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 B2H2302 - EPA 3005A

Matrix Spike (B2H2302-MS2) Source: 22H1276-44

Lead	0.48	0.010	mg/L	0.500	ND	95	75-125				RC-G
Lithium	1370	10	ug/L	500	773	120	75-125				RC-G
Magnesium	31	0.050	mg/L	0.500	45	NR	75-125			S3	RC-G
Molybdenum	540	10	ug/L	500	50	98	75-125				RC-G
Nickel	0.49	0.010	mg/L	0.500	ND	99	75-125				RC-G
Potassium	28	0.10	mg/L	5.00	21	132	75-125			S1	RC-G
Sodium	52	5.0	mg/L	0.500	39	NR	75-125			S4	RC-G
Zinc	0.48	0.010	mg/L	0.500	ND	95	75-125				RC-G

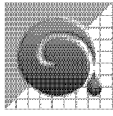
Matrix Spike Dup (B2H2302-MSD2) Source: 22H1276-44

Aluminum	2.3	0.050	mg/L	0.500	1.7	118	75-125	1	20		RC-G
Barium	0.55	0.010	mg/L	0.500	0.041	101	75-125	3	20		RC-G
Boron	4900	15	ug/L	500	4100	145	75-125	1	20	S1	RC-G
Cadmium	0.51	0.004	mg/L	0.500	ND	101	75-125	3	20		RC-G
Calcium	150	0.050	mg/L	0.500	320	NR	75-125	0.4	20	S3	RC-G
Copper	0.54	0.005	mg/L	0.500	ND	108	75-125	3	20		RC-G
Iron	3.3	0.050	mg/L	0.500	2.7	118	75-125	0.8	20		RC-G
Lead	0.49	0.010	mg/L	0.500	ND	98	75-125	3	20		RC-G
Lithium	1390	10	ug/L	500	773	124	75-125	2	20		RC-G
Magnesium	31	0.050	mg/L	0.500	45	NR	75-125	0.1	20	S3	RC-G
Molybdenum	560	10	ug/L	500	50	103	75-125	4	20		RC-G
Nickel	0.51	0.010	mg/L	0.500	ND	101	75-125	2	20		RC-G
Potassium	28	0.10	mg/L	5.00	21	137	75-125	1	20	S1	RC-G
Sodium	47	5.0	mg/L	0.500	39	NR	75-125	9	20	S4	RC-G
Zinc	0.49	0.010	mg/L	0.500	ND	98	75-125	3	20		RC-G

Batch B2H2325 - EPA 3005A Mod

Blank (B2H2325-BLK1)

Antimony	ND	0.005	mg/L								RC-G
Arsenic	ND	0.005	mg/L								RC-G
Selenium	ND	0.005	mg/L								RC-G
Thallium	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 B2H2325 - EPA 3005A Mod

LCS (B2H2325-BS1)

Antimony	0.235	0.005	mg/L	0.200		117	80-120				RC-G
Arsenic	0.214	0.005	mg/L	0.200		107	80-120				RC-G
Selenium	0.207	0.005	mg/L	0.200		104	80-120				RC-G
Thallium	0.213	0.001	mg/L	0.200		107	80-120				RC-G

Matrix Spike (B2H2325-MS1) Source: 22H1276-41

Antimony	0.273	0.005	mg/L	0.200	ND	136	75-125			Z	RC-G
Arsenic	0.216	0.005	mg/L	0.200	ND	107	75-125				RC-G
Selenium	0.200	0.005	mg/L	0.200	ND	98	75-125				RC-G
Thallium	0.201	0.001	mg/L	0.200	ND	100	75-125				RC-G

Matrix Spike (B2H2325-MS2) Source: 22H1276-42

Antimony	0.270	0.005	mg/L	0.200	ND	135	75-125			Z	RC-G
Arsenic	0.298	0.005	mg/L	0.200	0.095	102	75-125				RC-G
Selenium	0.202	0.005	mg/L	0.200	ND	100	75-125				RC-G
Thallium	0.184	0.001	mg/L	0.200	ND	92	75-125				RC-G

Matrix Spike Dup (B2H2325-MSD1) Source: 22H1276-41

Antimony	0.276	0.005	mg/L	0.200	ND	138	75-125	1	20	Z	RC-G
Arsenic	0.211	0.005	mg/L	0.200	ND	105	75-125	2	20		RC-G
Selenium	0.199	0.005	mg/L	0.200	ND	98	75-125	0.6	20		RC-G
Thallium	0.205	0.001	mg/L	0.200	ND	102	75-125	2	20		RC-G

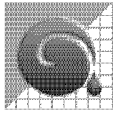
Matrix Spike Dup (B2H2325-MSD2) Source: 22H1276-42

Antimony	0.284	0.005	mg/L	0.200	ND	142	75-125	5	20	Z	RC-G
Arsenic	0.308	0.005	mg/L	0.200	0.095	107	75-125	3	20		RC-G
Selenium	0.212	0.005	mg/L	0.200	ND	105	75-125	5	20		RC-G
Thallium	0.197	0.001	mg/L	0.200	ND	98	75-125	7	20		RC-G

Batch B2H2327 - EPA 3005A Mod

Blank (B2H2327-BLK1)

Antimony	ND	0.005	mg/L								RC-G
Arsenic	ND	0.005	mg/L								RC-G
Selenium	ND	0.005	mg/L								RC-G
Thallium	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 B2H2327 - EPA 3005A Mod

LCS (B2H2327-BS1)

Antimony	0.237	0.005	mg/L	0.200		119	80-120				RC-G
Arsenic	0.218	0.005	mg/L	0.200		109	80-120				RC-G
Selenium	0.226	0.005	mg/L	0.200		113	80-120				RC-G
Thallium	0.206	0.001	mg/L	0.200		103	80-120				RC-G

Matrix Spike (B2H2327-MS1) Source: 22H1276-45

Antimony	0.268	0.005	mg/L	0.200	ND	133	75-125			Z	RC-G
Arsenic	0.216	0.005	mg/L	0.200	0.005	105	75-125				RC-G
Selenium	0.208	0.005	mg/L	0.200	ND	102	75-125				RC-G
Thallium	0.196	0.001	mg/L	0.200	ND	98	75-125				RC-G

Matrix Spike Dup (B2H2327-MSD1) Source: 22H1276-45

Antimony	0.264	0.005	mg/L	0.200	ND	131	75-125	1	20	Z	RC-G
Arsenic	0.212	0.005	mg/L	0.200	0.005	103	75-125	2	20		RC-G
Selenium	0.207	0.005	mg/L	0.200	ND	102	75-125	0.5	20		RC-G
Thallium	0.194	0.001	mg/L	0.200	ND	97	75-125	1	20		RC-G

Batch B2H2424 - EPA 3005A

Blank (B2H2424-BLK1)

Calcium	ND	0.050	mg/L								RC-G
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LCS (B2H2424-BS1)

Calcium	0.52	0.050	mg/L	0.500		105	80-120				RC-G
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Matrix Spike (B2H2424-MS1) Source: 22H1276-25

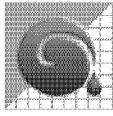
Calcium	44	0.25	mg/L	2.50	53	NR	75-125			S4	RC-G
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Matrix Spike (B2H2424-MS2) Source: 22H1276-26

Calcium	1100	25	mg/L	250	990	45	75-125			S4	RC-G
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Matrix Spike Dup (B2H2424-MSD1) Source: 22H1276-25

Calcium	45	0.25	mg/L	2.50	53	NR	75-125	2	20	S3	RC-G
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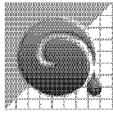
Total Metals
Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
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Batch B2H2424 - EPA 3005A

Matrix Spike Dup (B2H2424-MSD2) Source: 22H1276-26

Calcium	1500	25	mg/L	250	990	199	75-125	30	20	P4, S4	RC-G
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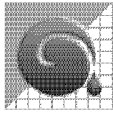


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Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
Reported: 09/16/22 12:28

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst
EPA 3005A ICP Digestion				
EPA 3005A	B2H2183	22H1276-01	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-02	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-03	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-04	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-05	08/25/2022 11:22	KTH
EPA 3005A	B2H2214	22H1276-05RE1	08/28/2022 11:00	EDM
EPA 3005A	B2H2183	22H1276-06	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-07	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-08	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-09	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-10	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-11	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-12	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-13	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-14	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-15	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-16	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-17	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-18	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-19	08/25/2022 11:22	KTH
EPA 3005A	B2H2183	22H1276-20	08/25/2022 11:22	KTH
EPA 3005A	B2H2259	22H1276-21	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-21	08/31/2022 14:30	EDM
EPA 3005A	B2H2214	22H1276-21RE1	08/28/2022 11:00	EDM
EPA 3005A	B2H2259	22H1276-22	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-22	08/31/2022 14:30	EDM
EPA 3005A	B2H2214	22H1276-22RE1	08/28/2022 11:00	EDM
EPA 3005A	B2H2259	22H1276-23	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-23	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-24	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-24	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-25	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-25	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-26	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-26	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-27	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-27	08/31/2022 14:30	EDM



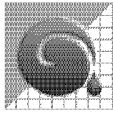
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EPA 3005A	B2H2259	22H1276-28	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-28	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-29	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-29	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-30	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-30	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-31	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-31	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-32	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-32	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-33	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-33	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-34	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-34	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-35	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-35	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-36	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-36	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-37	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-37	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-38	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-38	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-39	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-39	08/31/2022 14:30	EDM
EPA 3005A	B2H2259	22H1276-40	08/26/2022 12:33	EDM
EPA 3005A	B2H2424	22H1276-40	08/31/2022 14:30	EDM
EPA 3005A	B2H2214	22H1276-41	08/28/2022 11:00	EDM
EPA 3005A	B2H2214	22H1276-42	08/28/2022 11:00	EDM
EPA 3005A	B2H2302	22H1276-43	08/29/2022 11:05	EDM
EPA 3005A	B2H2302	22H1276-44	08/29/2022 11:05	EDM
EPA 3005A	B2H2214	22H1276-45	08/28/2022 11:00	EDM

EPA 3005A ICPMS Digestion

EPA 3005A Mod	B2H2325	22H1276-41	08/29/2022 16:00	EDM
EPA 3005A Mod	B2H2325	22H1276-42	08/29/2022 16:00	EDM
EPA 3005A Mod	B2H2327	22H1276-43	08/29/2022 16:00	EDM
EPA 3005A Mod	B2H2327	22H1276-44	08/29/2022 16:00	EDM
EPA 3005A Mod	B2H2327	22H1276-45	08/29/2022 16:00	EDM



Santee Cooper
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Moneks Corner, SC 29461

Project: Ground Water
Work Order: 22H1276
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Data Qualifiers and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not reported
- RPD Relative Percent Difference
- P4 Estimated value - the sample / duplicate or matrix spike / spike duplicate results exceeded the calibration range. The RPD was not evaluated against the control limits.
- 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.
- Z The matrix spike and/or matrix spike duplicate was not within the control limits - failed high. There are no detections in the sample.

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

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 / JM02.08.G&I.3 / 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
-01 AF38157	WAP-2	7/6/22	1251	DEW BM	1	P	G	GW	2	SEE ATTACHED SHEET	X
-02 61	WAP-6	7/11/22	1255							FOR RLS. AND METHOD.	
-03 63	WAP-8	7/12/22	1153								
-04 65	WAP-10	7/13/22	1322								
-05 66	WAP-10 DUP		1327								
-06 64	WAP-9		1434								
-07 60	WAP-5	7/14/22	1354								
-08 67	WAP-11	7/18/22	1106								
-09 58	WAP-3	7/18/22	1201								
-10 59	WAP-4		1522								

Relinquished by: <u>JBrown</u>	Employee# <u>25594</u>	Date <u>8/22/22</u>	Time <u>1500</u>	Received by: <u>FedEx</u>	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
		<u>08/24/22 0940</u>		<u>KJH</u>		<u>8/24/22</u>	<u>0940</u>
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 23.4 Initial: VAB
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	Nutrients <input type="checkbox"/> TOC <input type="checkbox"/> BOC <input type="checkbox"/> TP/TP04 <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <input type="checkbox"/> Ammonia <input type="checkbox"/> LOI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral <input type="checkbox"/> Analysis <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Oxidation Stab. <input type="checkbox"/> IP <input type="checkbox"/> Dissolved Chloride <input type="checkbox"/> Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil <input type="checkbox"/> Ca, Cd, Cr, Ni, Pb <input type="checkbox"/> Hg <input type="checkbox"/> T3 <input type="checkbox"/> COUER
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TRK# 8153 6791 4828

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)

Contract Lab Info: ROGERS Contract Lab Due Date (Lab Only): 9 / 6 / 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 #: 125916 / 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
-11 AF38190	WBW-1	7/6/22	1023	DEW BM	1	P	G	GW	2	SEE ATTACHED SHEET FOR RLS + METHOD.	X
-12 56	WAP-1	↓	1137	↓	↓	↓	↓	↓	↓		↓
-13 68	WAP-12	↓	1406	↓	↓	↓	↓	↓	↓		↓
-14 -14 VMS 8/24/22	69 WAP-12 DUP	↓	1411	↓	↓	↓	↓	↓	↓		↓
-15 84	WAP-22	7/7/22	1344	DEW DS	↓	↓	↓	↓	↓		↓
-16 -16 VMS 8/24/22	87 WAP-25	7/11/22	1030	DEW BM	↓	↓	↓	↓	↓		↓
-17 88	WAP-26	↓	1141	↓	↓	↓	↓	↓	↓		↓
-18 89	WAP-26 DUP	↓	1146	↓	↓	↓	↓	↓	↓		↓
-19 62	WAP-7	7/13/22	1000	↓	↓	↓	↓	↓	↓		↓
-20 -20 VMS 8/24/22											

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sj Brown</i>	35594	8/22/22	1500				
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
FedEx		08/10/22		<i>KJZ</i>		08/24	
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 23.4 Initial: VMS
Correct pH: Yes No
Preservative Lot#: 0940
0949
← JA 08/24/22
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	Nutrients <input type="checkbox"/> TOC <input type="checkbox"/> DOC <input type="checkbox"/> TP-TP04 <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil Trans. Oil Qual. <input type="checkbox"/> Wax <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Distric. Strength <input type="checkbox"/> API <input type="checkbox"/> Dissolved Solids Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil <input type="checkbox"/> ASGC, G, N, Pb <input type="checkbox"/> DIB <input type="checkbox"/> IN <input type="checkbox"/> GORR
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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	TOTAL METALS -SEE BELOW
-20 AF38185	WAP-23	7/13/22	1225	DEW BM	1	P	G	GW	2	SEE SHEET FOR RL0 +	X
-21 86	WAP-24	↓	1531							METHOD	
-22 83	WAP-21	7/14/22	1045								
-23 77	WAP-16	↓	1248								
-24 70	WAP-13	7/18/22	1312								
25 76	WAP-15	↓	1430								
26 71	WAP-14	7/20/22	1412	DEW PJ							
-27 72	WAP-14 DUP	↓	1417	↓							

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	35574	8/22/22	1530	FedEx			
FedEx		08/24	0940	KJm		08/24	0940

Sample Receiving (Internal Use Only)
TEMP (°C): 73.4 Initial: KAP
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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard Gypsum(all below) <input type="checkbox"/> AlM <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> Sulfonate <input type="checkbox"/> Lube <input type="checkbox"/> Acidity <input type="checkbox"/> Inorganic Sulfur <input type="checkbox"/> Dissolved Gases Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals in oil <input type="checkbox"/> (As, Cr, Cu, Ni, Pb, Hg) <input type="checkbox"/> TX <input type="checkbox"/> GHER
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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: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LCWILLIA @santecooper.com _____ / _____ / _____ 125915 / JM02.09. 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
-28 AF38173	WAP-14A	7/20/22	1100	DEW DJ	1	P	G	GW	2	SEE SHEET FOR RLS + METHOD.	X
-29 74	14B		1220								
-30 75	14C		1317								
-31 82	WAP-20	7/28/22	1100	DEW	1	P	C	GW	1		

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Unknown</i>	35594	8/22/22	1530	<i>FedEx</i>			
<i>FedEx</i>		08/24	0940	<i>KJZ</i>		08/24	0940

Sample Receiving (Internal Use Only)
TEMP (°C): 23.4 Initial: KAB
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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil Trans. Oil Qual. <input type="checkbox"/> % Ash <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dissolved Oxygen <input type="checkbox"/> IP <input type="checkbox"/> Dissolved Gases Used Oil <input type="checkbox"/> Flashpoint <input type="checkbox"/> Metals as oil (As, Cd, Cr, Hg, Pb) <input type="checkbox"/> TA 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)

2241274

Contract Lab Info: ROGERS Contract Lab Due Date (Lab Only): 9 / 6 / 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 #: 125715 / JM02.08.601.1 / 36500 Rerun request for any flagged QC: Yes No

Analysis Group

-32
-33
-34
-35
-36
-37
-38
-39
-40
-41

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
AF38199	WLF-A2-2	7/17/22	1137	DEW PJ	1	P	G	GW	2	SEE SHEET FOR RLS	X
98	WLF-A2-1		1237							+ METHOD.	
80	WAP-18		1443								
93	WLF-A1-2	7/11/22	1338	DEW BM							
94	-3		1441								
95	-4		1535								
96	-4 DUP		1540								
91	WBW-A1-1	7/12/22	1044								
97	WLF-A1-5		1358								
92	-1		1455								

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Approx</i>	35594	8/22/22	1500	FedEx			
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
FedEx		08/24	0940	KJZ		08/24	0940
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 23.4 Initial: KAB
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	Nutrients <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"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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"/> pH <input type="checkbox"/> Sulfites <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <input type="checkbox"/> Ammonia <input type="checkbox"/> IGI <input type="checkbox"/> % Carbon <input type="checkbox"/> Mineral <input type="checkbox"/> Sieve <input type="checkbox"/> % Moisture NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> Additives <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Density <input type="checkbox"/> Viscosity <input type="checkbox"/> Flash Point <input type="checkbox"/> Pour Point <input type="checkbox"/> Cloud Point <input type="checkbox"/> Oxidation Stability <input type="checkbox"/> Total Acid Number <input type="checkbox"/> Total Alkalinity <input type="checkbox"/> Total Sulfur <input type="checkbox"/> Total Phosphorus <input type="checkbox"/> Total Nitrogen <input type="checkbox"/> Total Solids <input type="checkbox"/> Total Suspended Solids <input type="checkbox"/> Total Dissolved Solids <input type="checkbox"/> Total Hardness <input type="checkbox"/> Total Calcium <input type="checkbox"/> Total Magnesium <input type="checkbox"/> Total Chloride <input type="checkbox"/> Total Sulfate <input type="checkbox"/> Total Nitrate <input type="checkbox"/> Total Ammonia Nitrogen <input type="checkbox"/> Total Phosphate <input type="checkbox"/> Total Silica <input type="checkbox"/> Total Iron <input type="checkbox"/> Total Copper <input type="checkbox"/> Total Lead <input type="checkbox"/> Total Cadmium <input type="checkbox"/> Total Chromium <input type="checkbox"/> Total Manganese <input type="checkbox"/> Total Zinc <input type="checkbox"/> Total Nickel <input type="checkbox"/> Total Cobalt <input type="checkbox"/> Total Barium <input type="checkbox"/> Total Strontium <input type="checkbox"/> Total Bismuth <input type="checkbox"/> Total Antimony <input type="checkbox"/> Total Arsenic <input type="checkbox"/> Total Selenium <input type="checkbox"/> Total Tellurium <input type="checkbox"/> Total Vanadium <input type="checkbox"/> Total Molybdenum <input type="checkbox"/> Total Niobium <input type="checkbox"/> Total Tantalum <input type="checkbox"/> Total Zirconium <input type="checkbox"/> Total Hafnium <input type="checkbox"/> Total Rhenium <input type="checkbox"/> Total Ruthenium <input type="checkbox"/> Total Rhodium <input type="checkbox"/> Total Palladium <input type="checkbox"/> Total Silver <input type="checkbox"/> Total Gold <input type="checkbox"/> Total Platinum <input type="checkbox"/> Total Iridium <input type="checkbox"/> Total Osmium <input type="checkbox"/> Total Iodine <input type="checkbox"/> Total Bromine <input type="checkbox"/> Total Fluorine <input type="checkbox"/> Total Chlorine <input type="checkbox"/> Total Sulfur <input type="checkbox"/> Total Carbon <input type="checkbox"/> Total Hydrogen <input type="checkbox"/> Total Nitrogen <input type="checkbox"/> Total Phosphorus <input type="checkbox"/> Total Potassium <input type="checkbox"/> Total Sodium <input type="checkbox"/> Total Calcium <input type="checkbox"/> Total Magnesium <input type="checkbox"/> Total Barium <input type="checkbox"/> Total Strontium <input type="checkbox"/> Total Lead <input type="checkbox"/> Total Cadmium <input type="checkbox"/> Total Zinc <input type="checkbox"/> Total Nickel <input type="checkbox"/> Total Cobalt <input type="checkbox"/> Total Manganese <input type="checkbox"/> Total Iron <input type="checkbox"/> Total Copper <input type="checkbox"/> Total Aluminum <input type="checkbox"/> Total Silicon <input type="checkbox"/> Total Boron <input type="checkbox"/> Total Beryllium <input type="checkbox"/> Total Barium <input type="checkbox"/> Total Strontium <input type="checkbox"/> Total Radium <input type="checkbox"/> Total Polonium <input type="checkbox"/> Total Astatine <input type="checkbox"/> Total Francium <input type="checkbox"/> Total Actinium <input type="checkbox"/> Total Thorium <input type="checkbox"/> Total Protactinium <input type="checkbox"/> Total Uranium <input type="checkbox"/> Total Neptunium <input type="checkbox"/> Total Plutonium <input type="checkbox"/> Total Americium <input type="checkbox"/> Total Curium <input type="checkbox"/> Total Berkelium <input type="checkbox"/> Total Californium <input type="checkbox"/> Total Einsteinium <input type="checkbox"/> Total Fermium <input type="checkbox"/> Total Mendelevium <input type="checkbox"/> Total Nobelium <input type="checkbox"/> Total Lawrencium <input type="checkbox"/> Total Rutherfordium <input type="checkbox"/> Total Dubnium <input type="checkbox"/> Total Seaborgium <input type="checkbox"/> Total Bohrium <input type="checkbox"/> Total Hassium <input type="checkbox"/> Total Tennessine <input type="checkbox"/> Total Oganesson
--	---	--	---	---	---	---

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)

Contract Lab Info: ROGERS Contract Lab Due Date (Lab Only): 9 / 6 / 22 Send report to icwillia@santecooper.com & sibrown@santecooper.com



Chain of Custody

Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 125915 / JMO2.08. 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
-42 AF38178	WAP-17	7/12/22	1235	DEW BM	1	P	G	GW	2	SEE SHEET FOR RLS + METHOD.	X
-43 79	L 17 DUP	L	1240								
-44 81	WAP-19	7/13/22	1108								
-45 200	WLF-A2-6	7/14/22	1150								

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	35574	8/22/22	1500	FedEx			
FedEx		08/24	0940	KAZ		8/24	0940

Sample Receiving (Internal Use Only)
TEMP (°C): 23.4 Initial: VAB
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"/> Sc <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	Nutrients <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"/> BF <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	MISC. <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	Gypsum <input type="checkbox"/> Wallboard Gypsum(all below) <input type="checkbox"/> ALM <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <input type="checkbox"/> Trans. Oil Qual. <input type="checkbox"/> In. Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Distillate amount <input type="checkbox"/> BTU <input type="checkbox"/> Ethanol/Gross <input type="checkbox"/> Used Oil <input type="checkbox"/> Phosphate <input type="checkbox"/> Metals in oil <input type="checkbox"/> (As, Cd, Cr, Ni, Pb, Hg) <input type="checkbox"/> TSS <input type="checkbox"/> GUPPER
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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 ICP	mg/L	0.05 to 0.2	---
Antimony	ug/L	6	5
Arsenic	ug/L	10	5
Arsenic Dissolved	ug/L	---	---
Barium 6010 ICP	ug/L	2000	5
Beryllium	ug/L	4	0.5
Boron 6010 ICP	ug/L	---	10 to 15
Cadmium 6010 ICP	ug/L	5	0.5
Calcium 6010 ICP	ug/L	---	0.1
Chromium	ug/L	100	5
Cobalt	ug/L	6	0.5
Copper 6010 ICP	mg/L	1	---
Iron 6010 ICP	ug/L	300	---
Lead 6010 ICP	ug/L	15	1
Lithium 6010 ICP	ug/L	40	5
Magnesium 6010 ICP	ug/L	---	---
Mercury	ug/L	2	0.2
Molybdenum 6010 ICP	ug/L	100	5
Nickel 6010 ICP	ug/L	---	---
Potassium 6010 ICP	mg/L	---	---
Selenium	ug/L	50	5
Sodium 6010 ICP	mg/L	---	---
Thallium	ug/L	2	1
Zinc 6010 ICP	ug/L	5000	---

(if needed = ICPMS)



Sample Receipt Verification

Client: Santee Cooper Date Received: 8/24/22 Work Order: 22H01276

Carrier Name: FedEx Other: _____ Tracking Number: 8153 6791 4828

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 ₃ PO ₄	
H ₂ SO ₄		NaOH	
HNO ₃		Other	

Comments: _____

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



August 08, 2022

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

Re: ABS Lab Analytical
Work Order: 585771

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 12, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

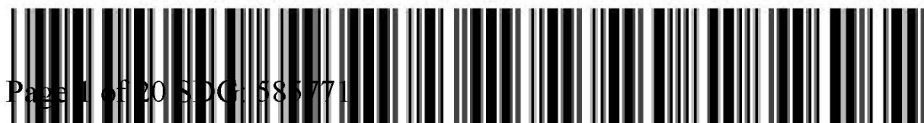
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Julie Robinson
Project Manager

Purchase Order: 398684
Enclosures



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: 585771 GEL Work Order: 585771

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: August 8, 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: AF38184	Project: SOOP00119
Sample ID: 585771001	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 07-JUL-22 13:44	
Receive Date: 12-JUL-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		3.93	+/-2.02	3.03	3.00	pCi/L			JXC9	08/02/22	1003 2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		9.97	+/-2.20			pCi/L		1	TON1	08/05/22	1043 2289015	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		6.04	+/-0.857	0.297	1.00	pCi/L			LXP1	08/02/22	1052 2288998	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"			56.9	(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: August 8, 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: AF38190	Project: SOOP00119
Sample ID: 585771002	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 06-JUL-22 10:23	
Receive Date: 12-JUL-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		3.79	+/-1.54	1.98	3.00	pCi/L			JXC9	08/02/22	1003 2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		4.39	+/-1.57			pCi/L		1	TON1	08/05/22	1043 2289015	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		0.596	+/-0.284	0.333	1.00	pCi/L			LXP1	08/02/22	1052 2288998	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"			56.3	(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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 8, 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: AF38156	Project: SOOP00119
Sample ID: 585771003	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 06-JUL-22 11:37	
Receive Date: 12-JUL-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		3.17	+/-1.74	2.62	3.00	pCi/L			JXC9	08/02/22	1003 2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		5.04	+/-1.81			pCi/L		1	TON1	08/05/22	1043 2289015	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		1.87	+/-0.479	0.323	1.00	pCi/L			LXP1	08/02/22	1052 2288998	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"			60.1	(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: August 8, 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: AF38168	Project: SOOP00119
Sample ID: 585771004	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 06-JUL-22 14:06	
Receive Date: 12-JUL-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		2.85	+/-1.55	2.28	3.00	pCi/L			JXC9	08/02/22	1003 2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		4.26	+/-1.60			pCi/L		1	TON1	08/05/22	1043 2289015	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		1.41	+/-0.361	0.244	1.00	pCi/L			LXP1	08/02/22	1052 2288998	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"			57.9	(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: August 8, 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: AF38169	Project: SOOP00119
Sample ID: 585771005	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 06-JUL-22 14:11	
Receive Date: 12-JUL-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		2.98	+/-1.59	2.30	3.00	pCi/L			JXC9	08/02/22	1003 2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		4.12	+/-1.63			pCi/L		1	TON1	08/05/22	1043 2289015	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		1.14	+/-0.343	0.198	1.00	pCi/L			LXP1	08/02/22	1052 2288998	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"			55.9	(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: August 8, 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: AF38199	Project: SOOP00119
Sample ID: 585771006	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 07-JUL-22 11:37	
Receive Date: 12-JUL-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	0.589	+/-1.50	2.70	3.00	pCi/L			JXC9	08/02/22	1130	2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.15	+/-1.52			pCi/L		1	TON1	08/05/22	1043	2289015	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.562	+/-0.283	0.330	1.00	pCi/L			LXP1	08/02/22	1052	2288998	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"			53.8	(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: August 8, 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: AF38198	Project: SOOP00119
Sample ID: 585771007	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 07-JUL-22 12:37	
Receive Date: 12-JUL-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		3.35	+/-1.20	1.51	3.00	pCi/L			JXC9	08/02/22	1003 2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		4.65	+/-1.25			pCi/L		1	TON1	08/05/22	1043 2289015	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		1.29	+/-0.371	0.275	1.00	pCi/L			LXP1	08/02/22	1052 2288998	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: August 8, 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: AF38180	Project: SOOP00119
Sample ID: 585771008	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 07-JUL-22 14:43	
Receive Date: 12-JUL-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		3.18	+/-1.28	1.81	3.00	pCi/L			JXC9	08/02/22	1003 2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		3.91	+/-1.31			pCi/L		1	TON1	08/05/22	1043 2289015	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		0.732	+/-0.298	0.224	1.00	pCi/L			LXP1	08/02/22	1124 2288998	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"			92	(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: August 8, 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: AF38157	Project: SOOP00119
Sample ID: 585771009	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 06-JUL-22 12:51	
Receive Date: 12-JUL-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	1.34	+/-1.00	1.59	3.00	pCi/L			JXC9	08/02/22	1003	2289016	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.04	+/-1.09			pCi/L		1	TON1	08/05/22	1043	2289015	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.70	+/-0.422	0.277	1.00	pCi/L			LXP1	08/02/22	1124	2288998	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"			93.8	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

GEL LABORATORIES LLC

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

QC Summary

Report Date: August 8, 2022

Page 1 of 2

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

Contact:
Workorder: 585771

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2289016										
QC1205137966	585771001	DUP									
Radium-228		3.93		3.58	pCi/L	9.32		(0% - 100%)	JXC9	08/02/22	10:04
	Uncertainty	+/-2.02		+/-1.39							
QC1205137967	LCS										
Radium-228		44.8		41.8	pCi/L		93.4	(75%-125%)		08/02/22	10:04
	Uncertainty			+/-3.08							
QC1205137965	MB										
Radium-228			U	0.898	pCi/L					08/02/22	10:04
	Uncertainty			+/-0.791							
Rad Ra-226											
Batch	2288998										
QC1205137937	585771001	DUP									
Radium-226		6.04		7.24	pCi/L	17.9		(0%-20%)	LXPI	08/02/22	11:24
	Uncertainty	+/-0.857		+/-0.851							
QC1205137939	LCS										
Radium-226		26.5		21.5	pCi/L		81.1	(75%-125%)		08/02/22	11:24
	Uncertainty			+/-1.51							
QC1205137936	MB										
Radium-226			U	0.208	pCi/L					08/02/22	11:24
	Uncertainty			+/-0.226							
QC1205137938	585771001	MS									
Radium-226		129	6.04	120	pCi/L		88.1	(75%-125%)		08/02/22	11:24
	Uncertainty	+/-0.857		+/-7.89							

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: 585771

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 #: 585771**

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

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

Analytical Batch: 2289015

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
585771001	AF38184
585771002	AF38190
585771003	AF38156
585771004	AF38168
585771005	AF38169
585771006	AF38199
585771007	AF38198
585771008	AF38180
585771009	AF38157

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: 2289016

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
585771001	AF38184
585771002	AF38190
585771003	AF38156
585771004	AF38168
585771005	AF38169
585771006	AF38199
585771007	AF38198
585771008	AF38180
585771009	AF38157
1205137965	Method Blank (MB)
1205137966	585771001(AF38184) Sample Duplicate (DUP)

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 585771006 (AF38199) was recounted due to high MDC. 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: 2288998

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
585771001	AF38184
585771002	AF38190
585771003	AF38156
585771004	AF38168
585771005	AF38169
585771006	AF38199
585771007	AF38198
585771008	AF38180
585771009	AF38157
1205137936	Method Blank (MB)
1205137937	585771001(AF38184) Sample Duplicate (DUP)
1205137938	585771001(AF38184) Matrix Spike (MS)
1205137939	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, 1205137938 (AF38184MS), 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.

Chain of Custody

585771-RAD
585768-Hg



Customer Email/Report Recipient:

Date Results Needed by:

Project/Task/Unit #:

Rerun request for any flagged QC

LCWILLIA @santeecooper.com

/ /

125915 / JM02.09.081.1 / 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 • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	TOTAL RAD CALC.	Hg
AF38184	WAP-22	7/7/22	1344	DEW DJ	3	P	G	GW	2		2	*	1
AF38190	WSW-1	7/6/22	1023										
AF38156	WAP-1		1137										
AF38168	WAP-12	7/6/22	1406										
AF38169	WAP-12 DUP		1411										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
SJBrown	35594	7/12/22	1055	R. Smith	GEL	7/12/22	1055
R. Smith		7/12/22	1527	JPR	GEL	7/12/22	1527

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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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Chain of Custody

585771-RAD
585768-Hg

Customer Email/Report Recipient: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LCWILLIA @santecooper.com _____ / _____ / _____ 125915 / JM02.08.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	RAD 226/228	TOTAL RAD CALC	Hg
AF38199	WLF-A2-2	7/7/22	1137	DEW DJ	3	P	G	GW	2	• Method # • Reporting limit • Misc. sample info • Any other notes	2	x	1
AF38198	WLF-A2-1		1237										
AF38180	WAP-18		1443										
AF38157	WAP-2	7/6/22	1251										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sjbrown</i>	35594	7/12/22	1055	<i>R. S. AL</i>	GEL	7/12/22	1055
<i>R. S. AL</i>		7/12/22	1527	<i>[Signature]</i>	GEL	7/12/22	1527

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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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List of current GEL Certifications as of 08 August 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
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 20, 2022

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

Re: ABS Lab Analytical
Work Order: 585768

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 12, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

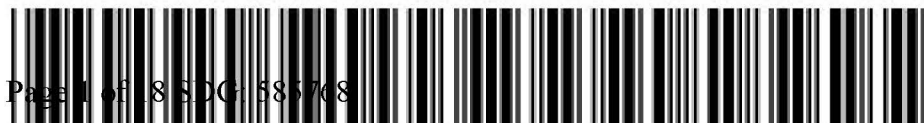
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Julie Robinson
Project Manager

Purchase Order: 398684
Enclosures



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: 585768 GEL Work Order: 585768

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 20, 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: AF38184 Project: SOOP00119
Sample ID: 585768001 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 07-JUL-22 13:44
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1145	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

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: July 20, 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: AF38190 Project: SOOP00119
Sample ID: 585768002 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 06-JUL-22 10:23
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1147	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

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: July 20, 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: AF38156 Project: SOOP00119
Sample ID: 585768003 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 06-JUL-22 11:37
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1148	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

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: July 20, 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: AF38168 Project: SOOP00119
Sample ID: 585768004 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 06-JUL-22 14:06
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1150	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

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: July 20, 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: AF38169 Project: SOOP00119
Sample ID: 585768005 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 06-JUL-22 14:11
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1152	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

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: July 20, 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: AF38199 Project: SOOP00119
Sample ID: 585768006 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 07-JUL-22 11:37
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1154	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

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: July 20, 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: AF38198 Project: SOOP00119
Sample ID: 585768007 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 07-JUL-22 12:37
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1159	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

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: July 20, 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: AF38180 Project: SOOP00119
Sample ID: 585768008 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 07-JUL-22 14:43
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1201	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

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: July 20, 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: AF38157 Project: SOOP00119
Sample ID: 585768009 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 06-JUL-22 12:51
Receive Date: 12-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/14/22	1202	2288960	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/13/22	1401	2288958

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	

Notes:

Column headers are defined as follows:

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

GEL LABORATORIES LLC

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

QC Summary

Report Date: July 20, 2022

Page 1 of 2

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

Contact: Ms. Jeanette Gilmetti

Workorder: 585768

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Mercury											
Batch	2288960										
QC1205137840	583678006	DUP									
Mercury		U	ND	U	ND	ug/L	N/A		JP2	07/14/22	11:12
QC1205137839	LCS										
Mercury	2.00				2.05	ug/L	103	(80%-120%)		07/14/22	11:09
QC1205137838	MB										
Mercury			U		ND	ug/L				07/14/22	11:07
QC1205137841	583678006	MS									
Mercury	2.00	U	ND		2.00	ug/L	99.7	(75%-125%)		07/14/22	11:14
QC1205137842	583678006	SDILT									
Mercury		U	ND	U	ND	ug/L	N/A	(0%-10%)		07/14/22	11:15

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

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

QC Summary

Workorder: 585768

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 #: 585768

Product: Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer

Analytical Method: SW846 7470A

Analytical Procedure: GL-MA-E-010 REV# 38

Analytical Batch: 2288960

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 38

Preparation Batch: 2288958

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
585768001	AF38184
585768002	AF38190
585768003	AF38156
585768004	AF38168
585768005	AF38169
585768006	AF38199
585768007	AF38198
585768008	AF38180
585768009	AF38157
1205137838	Method Blank (MB)CVAA
1205137839	Laboratory Control Sample (LCS)
1205137842	583678006(NonSDGL) Serial Dilution (SD)
1205137840	583678006(NonSDGD) Sample Duplicate (DUP)
1205137841	583678006(NonSDGS) Matrix Spike (MS)

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

Data Summary:

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

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

585771-RAD
585768-Hg



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 125915 / JM02.09. #01.1 / 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
AF38184	WAP-22	7/7/22	1344	DEW DJ	3	P	G	GW	2	• Method # • Reporting limit • Misc. sample info • Any other notes	2	X	1
AF38190	WSW-1	7/6/22	1023										
AF38156	WAP-1		1137										
AF38168	WAP-12	7/6/22	1406										
AF38169	WAP-12 DUP		1411										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>S. Brown</i>	35594	7/12/22	1055	<i>R. South</i>	GEL	7/12/22	1055
<i>R. South</i>		7/12/22	1527	<i>JRU</i>	GEL	7/12/22	1527

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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
--	--	--	--	---	--	--

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)

Chain of Custody

585771-RAD
585768-Hg



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

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group		
											RAD 226/228	TOTAL RAD CALC	Hg
AF38199	WLF-A2-2	7/7/22	1137	DEW DJ	3	P	G	GW	2		2	x	1
AF38198	WLF-A2-1		1237										
AF38180	WAP-18		1443										
AF38157	WAP-2	7/6/22	1251										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	35594	7/12/22	1055	<i>R. Sal</i>	GEL	7/12/22	1055
<i>R. Sal</i>		7/12/22	1527	<i>[Signature]</i>	GEL	7/12/22	1527

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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
--	--	--	--	---	--	---

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)

SAMPLE RECEIPT & REVIEW FORM JR

Client: <u>SDGP</u>			SDG/AR/COC/Work Order: <u>585771 / 585768</u>			
Received By: <u>MVH</u>			Date Received: <u>07/12/2022</u>			
Carrier and Tracking Number			Circle Applicable:			
			<input type="checkbox"/> FedEx Express <input type="checkbox"/> FedEx Ground <input type="checkbox"/> UPS <input type="checkbox"/> Field Services <input checked="" type="checkbox"/> Courier <input type="checkbox"/> 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?				<input checked="" type="checkbox"/>	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?				<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM / 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?				<input checked="" type="checkbox"/>	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"/>				Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	<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"/>				Preservation Method: Wet Ice Ice Packs Dry ice <input checked="" type="checkbox"/> None Other: _____ *all temperatures are recorded in Celsius TEMP: <u>22</u>
4	Daily check performed and passed on IR temperature gun?	<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"/>				Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>				Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			<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 ___ Sample ID's and containers affected:
8	Samples received within holding time?	<input checked="" type="checkbox"/>				ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>				ID's and containers affected:
10	Date & time on COC match date & time on bottles?	<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"/>				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"/>				
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>				Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):						

PM (or PMA) review: Initials SW Date 7/14/22 Page 1 of 1

List of current GEL Certifications as of 20 July 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-5
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019-165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780



August 01, 2022

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

Re: ABS Lab Analytical
Work Order: 587122

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 22, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

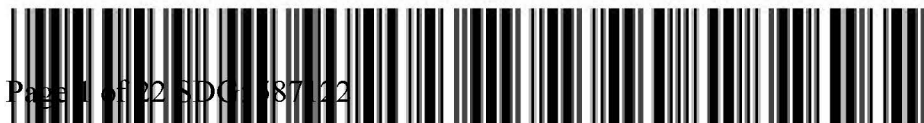
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

Julie Robinson
Project Manager

Purchase Order: 398684
Enclosures



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: 587122 GEL Work Order: 587122

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: August 1, 2022

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

Client Sample ID: AF38171 Project: SOOP00119
Sample ID: 587122001 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 20-JUL-22 14:12
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1021	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38172 Project: SOOP00119
Sample ID: 587122002 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 20-JUL-22 14:17
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1022	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38173 Project: SOOP00119
Sample ID: 587122003 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 20-JUL-22 11:00
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1028	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38174 Project: SOOP00119
Sample ID: 587122004 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 20-JUL-22 12:20
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1029	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38175 Project: SOOP00119
Sample ID: 587122005 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 20-JUL-22 13:17
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1031	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38170 Project: SOOP00119
Sample ID: 587122006 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 18-JUL-22 13:12
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1033	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38176 Project: SOOP00119
Sample ID: 587122007 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 18-JUL-22 14:30
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1035	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38183 Project: SOOP00119
Sample ID: 587122008 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 14-JUL-22 10:45
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1036	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38177 Project: SOOP00119
Sample ID: 587122009 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 14-JUL-22 12:48
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1038	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38158 Project: SOOP00119
Sample ID: 587122010 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 18-JUL-22 12:01
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1040	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38159 Project: SOOP00119
Sample ID: 587122011 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 18-JUL-22 15:22
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1042	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

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: August 1, 2022

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

Client Sample ID: AF38200 Project: SOOP00119
Sample ID: 587122012 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 14-JUL-22 11:50
Receive Date: 22-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/26/22	1043	2293904	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/25/22	1231	2293901

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	SW846 7470A	

Notes:

Column headers are defined as follows:

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

GEL LABORATORIES LLC

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

QC Summary

Report Date: August 1, 2022

Page 1 of 2

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

Contact:
Workorder: 587122

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Mercury											
Batch	2293904										
QC1205147129	585466001	DUP									
Mercury		U	ND	U	ND	ug/L	N/A		JP2	07/26/22	09:58
QC1205147128	LCS										
Mercury	2.00				2.12	ug/L	106	(80%-120%)		07/26/22	09:55
QC1205147127	MB										
Mercury			U		ND	ug/L				07/26/22	09:53
QC1205147130	585466001	MS									
Mercury	2.00	U	ND		2.14	ug/L	107	(75%-125%)		07/26/22	10:00
QC1205147131	585466001	SDILT									
Mercury		U	ND	U	ND	ug/L	N/A	(0%-10%)		07/26/22	10:02

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.

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QC Summary

Workorder: 587122

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 #: 587122

Product: Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer

Analytical Method: SW846 7470A

Analytical Procedure: GL-MA-E-010 REV# 38

Analytical Batch: 2293904

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 38

Preparation Batch: 2293901

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
587122001	AF38171
587122002	AF38172
587122003	AF38173
587122004	AF38174
587122005	AF38175
587122006	AF38170
587122007	AF38176
587122008	AF38183
587122009	AF38177
587122010	AF38158
587122011	AF38159
587122012	AF38200
1205147127	Method Blank (MB)CVAA
1205147128	Laboratory Control Sample (LCS)
1205147131	585466001(NonSDGL) Serial Dilution (SD)
1205147129	585466001(NonSDGD) Sample Duplicate (DUP)
1205147130	585466001(NonSDGS) Matrix Spike (MS)

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

Data Summary:

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

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 - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 8 / 1 / 22 Send report to lcwillia@santecooper.com & sjbrown@santecooper.com



Chain of Custody

587122/587123

Customer Email/Report Recipient: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LCWILLIA @santecooper.com _____ / _____ / _____ 125915 / JMo2.08.GP1.3 / 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	RAD 226/228	TOTAL RAD CALC	Hg
AF38158	WAP-3	7/18/22	1201	DW/BM	3	P	G	GW	2	Hg-7470 RL= 0.200 PPB	2	X	1
AF38159	WAP-4	1	1522	1	3	1	1	1	1		2	X	1

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35594	7/22/22	1105	<i>M. [Signature]</i>	GEL	7/22/22	1105
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 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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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, Coal, 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)



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

Chain of Custody

587122/587123

Customer Email/Report Recipient:

Date Results Needed by:

Project/Task/Unit #:

Rerun request for any flagged QC

LCWILLIA @santecooper.com

____/____/____

125915 / JM02.08.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 • Method # • Reporting limit • Misc. sample info • Any other notes	Analysis Group		
											RAD 226 / 228	TOTAL RAD CALLS	Hg
AF38200	WLF-A2-6	7/14/22	1150	DEW/ BM	3	G	G	GW	2	Hg-7470 RL=0.200 PPB	2	X	1

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>S. Brown</i>	25594	7/22/22	1105	<i>M. [Signature]</i>	GEL	7/22/22	1105

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

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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"/> JFT <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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Chain of Custody

587122/587123

Customer Email/Report Recipient: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LCWILLIA @santecooper.com _____ / _____ / _____ 125915 / JM02.09.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	RAD 225/228	TOTAL RAD CALC	Hg
AF38171	WAP-14	7/20/22	1412	DEW/DJ	3	P	G	GW	2	Hg-7470 RL=0.200 PPB	2	X	1
AF38172	WAP-14 DUP		1417		3								
AF38173	WAP-14A		1100										
AF38174	WAP-14B		1220										
AF38175	WAP-14C		1317										
AF38170	WAP-13	7/18/22	1312	DEW/BM									
AF38176	WAP-15		1430										
AF38183	WAP-21	7/14/22	1045										
AF38177	WAP-16		1248										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sj Brown</i>	35594	7/22/22	1105	<i>M. Sl...</i>	GEL	7/22/22	1105

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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"/> 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, Coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)

SAMPLE RECEIPT & REVIEW FORM

J.R

Client: <u>SOPP</u>	SDG/AR/COC/Work Order: <u>587125 / 7120 / 7122 / 7123</u>
Received By: <u>S.P</u>	Date Received: <u>7/23/11</u>
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services <u>Courier</u> 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?		<input checked="" type="checkbox"/>	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?		<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM / 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?		<input checked="" type="checkbox"/>	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"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	<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"/>	Preservation Method: Wet Ice Ice Packs Dry ice <u>None</u> Other: _____ *all temperatures are recorded in Celsius TEMP: <u>20</u>
4 Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: <u>112-22</u> Secondary Temperature Device Serial # (If Applicable): _____
5 Sample containers intact and sealed?	<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"/>			Sample ID's and Containers Affected: _____ If Preservation added, Lot#: _____
7 Do any samples require Volatile Analysis?			<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 ___ Sample ID's and containers affected: _____
8 Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected: _____
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			ID's and containers affected: _____
10 Date & time on COC match date & time on bottles?	<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"/>			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"/>			
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials Shu Date 7/27/11 Page 1 of 1

List of current GEL Certifications as of 01 August 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
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



August 19, 2022

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

Re: ABS Lab Analytical
Work Order: 587123

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 22, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

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

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

Sincerely,

Julie Robinson
Project Manager

Purchase Order: 398684
Enclosures



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: 587123 GEL Work Order: 587123

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: August 19, 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: AF38171	Project: SOOP00119
Sample ID: 587123001	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 20-JUL-22 14:42	
Receive Date: 22-JUL-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		2.28	+/-1.30	1.93	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.92	+/-1.33			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.645	+/-0.269	0.206	1.00	pCi/L			LXP1	08/10/22	1022	2293712	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"			70.4	(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: August 19, 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: AF38172	Project: SOOP00119
Sample ID: 587123002	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 20-JUL-22 14:47	
Receive Date: 22-JUL-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	1.23	+/-0.922	1.40	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.06	+/-0.988			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.831	+/-0.354	0.354	1.00	pCi/L			LXP1	08/10/22	1022	2293712	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"			72	(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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 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38173	Project: SOOP00119
Sample ID: 587123003	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 20-JUL-22 11:00	
Receive Date: 22-JUL-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	-0.472	+/-1.35	2.60	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.58	+/-1.42			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.58	+/-0.438	0.233	1.00	pCi/L			LXP1	08/10/22	1022	2293712	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"			65.9	(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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Company : Santee Cooper
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 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38174	Project: SOOP00119
Sample ID: 587123004	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 20-JUL-22 12:20	
Receive Date: 22-JUL-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		2.68	+/-1.36	1.97	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		5.55	+/-1.49			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.87	+/-0.609	0.252	1.00	pCi/L			LXP1	08/10/22	1055	2293712	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"			74.2	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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Company : Santee Cooper
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 Moncks Corner, South Carolina 29461
 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38175	Project: SOOP00119
Sample ID: 587123005	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 20-JUL-22 13:17	
Receive Date: 22-JUL-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	0.649	+/-1.35	2.37	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.95	+/-1.44			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.31	+/-0.511	0.269	1.00	pCi/L			LXP1	08/10/22	1055	2293712	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"			66.8	(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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 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38170	Project: SOOP00119
Sample ID: 587123006	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 18-JUL-22 13:12	
Receive Date: 22-JUL-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		2.51	+/-1.47	2.27	3.00	pCi/L			JXC9	08/18/22	0917 2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		3.91	+/-1.54			pCi/L		1	NXL1	08/18/22	1336 2293716	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		1.40	+/-0.456	0.401	1.00	pCi/L			LXP1	08/10/22	1055 2293712	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"			79.9	(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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 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38176	Project: SOOP00119
Sample ID: 587123007	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 18-JUL-22 14:30	
Receive Date: 22-JUL-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	0.526	+/-0.898	1.57	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.82	+/-1.04			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.29	+/-0.521	0.317	1.00	pCi/L			LXP1	08/10/22	1055	2293712	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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 Moncks Corner, South Carolina 29461
 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38183	Project: SOOP00119
Sample ID: 587123008	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 14-JUL-22 10:45	
Receive Date: 22-JUL-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	0.728	+/-1.10	1.90	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.02	+/-1.14			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.296	+/-0.284	0.453	1.00	pCi/L			LXP1	08/10/22	1055	2293712	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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Company : Santee Cooper
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 Moncks Corner, South Carolina 29461
 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38177	Project: SOOP00119
Sample ID: 587123009	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 14-JUL-22 12:48	
Receive Date: 22-JUL-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		3.45	+/-1.34	1.82	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		5.25	+/-1.43			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.79	+/-0.495	0.408	1.00	pCi/L			LXP1	08/10/22	1055	2293712	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	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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

Client Sample ID: AF38158	Project: SOOP00119
Sample ID: 587123010	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 18-JUL-22 12:01	
Receive Date: 22-JUL-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	1.07	+/-1.30	2.20	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.75	+/-1.37			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.68	+/-0.415	0.198	1.00	pCi/L			LXP1	08/10/22	1055	2293712	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"			82.1	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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Company : Santee Cooper
 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: AF38159	Project: SOOP00119
Sample ID: 587123011	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 18-JUL-22 15:22	
Receive Date: 22-JUL-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	1.26	+/-1.34	2.24	3.00	pCi/L			JXC9	08/18/22	0917	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.29	+/-1.40			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.03	+/-0.391	0.328	1.00	pCi/L			LXP1	08/10/22	1128	2293712	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"			79.2	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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

Client Sample ID: AF38200	Project: SOOP00119
Sample ID: 587123012	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 14-JUL-22 11:50	
Receive Date: 22-JUL-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	+/-1.13	1.59	3.00	pCi/L			JXC9	08/18/22	0918	2293717	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.32	+/-1.18			pCi/L		1	NXL1	08/18/22	1336	2293716	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.999	+/-0.340	0.219	1.00	pCi/L			LXP1	08/10/22	1128	2293712	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

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QC Summary

Report Date: August 19, 2022

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

Contact:
Workorder: 587123

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2293717										
QC1205146718	587123001	DUP									
Radium-228		2.28		1.92	pCi/L	17		(0% - 100%)	JXC9	08/18/22	09:16
	Uncertainty	+/-1.30		+/-1.11							
QC1205146719	LCS										
Radium-228	44.8			48.8	pCi/L		109	(75%-125%)		08/18/22	09:16
	Uncertainty			+/-3.59							
QC1205146717	MB										
Radium-228			U	-0.0347	pCi/L					08/18/22	09:16
	Uncertainty			+/-1.21							
Rad Ra-226											
Batch	2293712										
QC1205146709	LCS										
Radium-226	26.0			22.8	pCi/L		87.7	(75%-125%)	LXP1	08/10/22	11:28
	Uncertainty			+/-1.67							
QC1205152969	LCSD										
Radium-226	26.0			22.4	pCi/L	2.07	85.9	(0%-20%)		08/10/22	11:58
	Uncertainty			+/-1.66							
QC1205146706	MB										
Radium-226				0.408	pCi/L					08/10/22	11:28
	Uncertainty			+/-0.232							

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

GEL LABORATORIES LLC

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

QC Summary

Workorder: 587123

Page 2 of 2

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
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 #: 587123**

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

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

Analytical Batch: 2293716

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
587123001	AF38171
587123002	AF38172
587123003	AF38173
587123004	AF38174
587123005	AF38175
587123006	AF38170
587123007	AF38176
587123008	AF38183
587123009	AF38177
587123010	AF38158
587123011	AF38159
587123012	AF38200

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: 2293717

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
587123001	AF38171
587123002	AF38172
587123003	AF38173
587123004	AF38174
587123005	AF38175
587123006	AF38170
587123007	AF38176
587123008	AF38183

587123009	AF38177
587123010	AF38158
587123011	AF38159
587123012	AF38200
1205146717	Method Blank (MB)
1205146718	587123001(AF38171) Sample Duplicate (DUP)
1205146719	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: 2293712

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
587123001	AF38171
587123002	AF38172
587123003	AF38173
587123004	AF38174
587123005	AF38175
587123006	AF38170
587123007	AF38176
587123008	AF38183
587123009	AF38177
587123010	AF38158
587123011	AF38159
587123012	AF38200
1205146706	Method Blank (MB)
1205146709	Laboratory Control Sample (LCS)
1205152969	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.

Quality Control (QC) Information

Method Blank Criteria

The blank result (See Below) is greater than the MDC but less than the required detection limit.

Sample	Analyte	Value
1205146706 (MB)	Radium-226	Result: 0.408 pCi/L > MDA: 0.260 pCi/L <= RDL: 1.00 pCi/L

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 - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 8 / 1 / 22 Send report to lcwillia@santecooper.com & sjbrown@santecooper.com



Chain of Custody

587122/587123

Customer Email/Report Recipient: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LCWILLIA @santecooper.com _____ / _____ / _____ 125915 / JMo2.08.GP1.3 / 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	RAD 226/228	TOTAL RAD CALC	Hg
AF38158	WAP-3	7/18/22	1201	DW/BM	3	P	G	GW	2	Hg-7470 RL= 0.200 PPB	2	X	1
AF38159	WAP-4	1	1522	1	3	1	1	1	1		2	X	1

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sjbrown</i>	35594	7/22/22	1105	<i>M. [Signature]</i>	GEL	7/22/22	1105

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

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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, Coal, 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



587122/587123

Customer Email/Report Recipient:

Date Results Needed by:

Project/Task/Unit #:

Rerun request for any flagged QC

LCWILLIA @santecooper.com

____/____/____

125915 / JM02.08.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	RAD 226 / 228	TOTAL RAD C/LC	Hg
AF38200	WLF-A2-6	7/14/22	1150	DEW/ BM	3	G	G	GW	2	Hg-7470 RL=0.200 PPB	2	X	1

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>S. Brown</i>	25594	7/22/22	1105	<i>M. Jones</i>	GEL	7/22/22	1105

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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"/> JFT <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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Chain of Custody

587122/587123

Customer Email/Report Recipient: _____ Date Results Needed by: _____ Project/Task/Unit #: _____ Rerun request for any flagged QC

LCWILLIA @santecooper.com / / 125915 / JM02.09.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	RAD 225/22.8	TOTAL RAD CALC	Hg
AF38171	WAP-14	7/20/22	1412	DEW/DJ	3	P	G	GW	2	Hg-7470 RL=0.200 PPB	2	X	1
AF38172	WAP-14 DUP		1417		3								
AF38173	WAP-14A		1100										
AF38174	WAP-14B		1220										
AF38175	WAP-14C		1317										
AF38170	WAP-13	7/18/22	1312	DEW/BM									
AF38176	WAP-15		1430										
AF38183	WAP-21	7/14/22	1045										
AF38177	WAP-16		1248										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sj Brown</i>	35594	7/22/22	1105	<i>M. Sl...</i>	GEL	7/22/22	1105

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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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SAMPLE RECEIPT & REVIEW FORM

J.R

Client: <u>SOPP</u>	SDG/AR/COC/Work Order: <u>587125 / 7120 / 7122 / 7123</u>
Received By: <u>S.P</u>	Date Received: <u>7/23/11</u>
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground UPS Field Services <u>Courier</u> 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?		<input checked="" type="checkbox"/>	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?		<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0</u> CPM / 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?		<input checked="" type="checkbox"/>	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"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?	<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"/>	Preservation Method: Wet Ice Ice Packs Dry ice <u>None</u> Other: _____ *all temperatures are recorded in Celsius TEMP: <u>20</u>
4 Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: <u>112-22</u> Secondary Temperature Device Serial # (If Applicable): _____
5 Sample containers intact and sealed?	<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"/>			Sample ID's and Containers Affected: _____ If Preservation added, Lot#: _____
7 Do any samples require Volatile Analysis?			<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 ___ Sample ID's and containers affected: _____
8 Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected: _____
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			ID's and containers affected: _____
10 Date & time on COC match date & time on bottles?	<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"/>			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"/>			
13 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			Circle Applicable: Not relinquished Other (describe)

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials MLL Date 7/27/11 Page 1 of 1

List of current GEL Certifications as of 19 August 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122023-2
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: 586276

Dear Ms. Gilmetti:

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

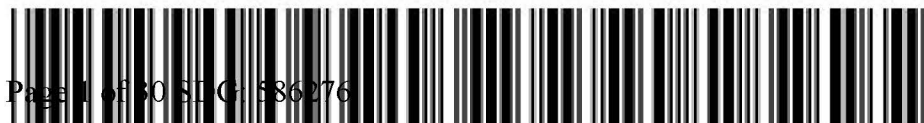
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

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: 586276 GEL Work Order: 586276

The Qualifiers in this report are defined as follows:

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

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

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

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

Reviewed by

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: AF38185 Project: SOOP00119
Sample ID: 586276001 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 13-JUL-22 12:25
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1007	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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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: AF38186 Project: SOOP00119
Sample ID: 586276002 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 13-JUL-22 15:31
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1008	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Moncks Corner, South Carolina 29461
Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38162 Project: SOOP00119
Sample ID: 586276003 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 13-JUL-22 10:00
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1010	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38187 Project: SOOP00119
Sample ID: 586276004 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 11-JUL-22 10:30
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1015	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38188 Project: SOOP00119
Sample ID: 586276005 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 11-JUL-22 11:41
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1017	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Moncks Corner, South Carolina 29461
Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38189 Project: SOOP00119
Sample ID: 586276006 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 11-JUL-22 11:46
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1019	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38165 Project: SOOP00119
Sample ID: 586276007 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 13-JUL-22 13:22
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1020	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38166 Project: SOOP00119
Sample ID: 586276008 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 13-JUL-22 13:27
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1022	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38164 Project: SOOP00119
Sample ID: 586276009 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 13-JUL-22 14:34
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1024	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38181 Project: SOOP00119
Sample ID: 586276010 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 13-JUL-22 11:08
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1026	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38191 Project: SOOP00119
Sample ID: 586276011 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 12-JUL-22 10:44
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/21/22	1015	2291773	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/20/22	1204	2291768

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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Company : Santee Cooper
Address : P.O. Box 2946101
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38197 Project: SOOP00119
Sample ID: 586276012 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 12-JUL-22 13:58
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1027	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Moncks Corner, South Carolina 29461
Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38192 Project: SOOP00119
Sample ID: 586276013 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 12-JUL-22 14:55
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1029	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38193 Project: SOOP00119
Sample ID: 586276014 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 11-JUL-22 13:38
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1031	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38194 Project: SOOP00119
Sample ID: 586276015 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 11-JUL-22 14:41
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1036	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38195 Project: SOOP00119
Sample ID: 586276016 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 11-JUL-22 15:35
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1038	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38196 Project: SOOP00119
Sample ID: 586276017 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 11-JUL-22 15:40
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1040	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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Company : Santee Cooper
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Moncks Corner, South Carolina 29461
Contact: Ms. Jeanette Gilmetti
Project: ABS Lab Analytical

Client Sample ID: AF38178 Project: SOOP00119
Sample ID: 586276018 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 12-JUL-22 12:35
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1041	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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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: AF38179 Project: SOOP00119
Sample ID: 586276019 Client ID: SOOP001
Matrix: Ground Water
Collect Date: 12-JUL-22 12:40
Receive Date: 15-JUL-22
Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Mercury Analysis-CVAA												
7470 Cold Vapor Mercury, Liquid "As Received"												
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	07/19/22	1043	2290693	1

The following Prep Methods were performed:

Method	Description	Analyst	Date	Time	Prep Batch
SW846 7470A Prep	EPA 7470A Mercury Prep Liquid	RM4	07/18/22	1350	2290688

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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QC Summary

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Ms. Jeanette Gilmetti

Contact:
Workorder: 586276

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Mercury											
Batch	2290693										
QC1205141031	586020001	DUP									
Mercury		0.448		0.460	ug/L	2.64 ^		(+/-0.200)	JP2	07/19/22	10:00
QC1205141030	LCS										
Mercury	2.00			2.05	ug/L		103	(80%-120%)		07/19/22	09:56
QC1205141029	MB										
Mercury			U	ND	ug/L					07/19/22	09:55
QC1205141032	586020001	MS									
Mercury	2.00	0.448		2.41	ug/L		98.1	(75%-125%)		07/19/22	10:02
QC1205141033	586020001	SDILT									
Mercury		0.448	J	0.0830	ug/L	7.37		(0%-10%)		07/19/22	10:03
Batch	2291773										
QC1205143343	585226001	DUP									
Mercury		U	ND	U	ND	ug/L	N/A		JP2	07/21/22	09:49
QC1205143342	LCS										
Mercury	2.00			2.19	ug/L		110	(80%-120%)		07/21/22	09:45
QC1205143341	MB										
Mercury			U	ND	ug/L					07/21/22	09:44
QC1205143344	585226001	MS									
Mercury	2.00	U	ND	2.18	ug/L		109	(75%-125%)		07/21/22	09:51
QC1205143345	585226001	SDILT									
Mercury		U	ND	U	ND	ug/L	N/A	(0%-10%)		07/21/22	09:52

GEL LABORATORIES LLC

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

QC Summary

Workorder: 586276

Page 2 of 2

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

The Qualifiers in this report are defined as follows:

- < Result is less than value reported
- > Result is greater than value reported
- E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria
- FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- N Metals--The Matrix spike sample recovery is not within specified control limits
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
- 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 #: 586276

Product: Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer

Analytical Method: SW846 7470A

Analytical Procedure: GL-MA-E-010 REV# 38

Analytical Batch: 2290693

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 38

Preparation Batch: 2290688

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
586276001	AF38185
586276002	AF38186
586276003	AF38162
586276004	AF38187
586276005	AF38188
586276006	AF38189
586276007	AF38165
586276008	AF38166
586276009	AF38164
586276010	AF38181
586276012	AF38197
586276013	AF38192
586276014	AF38193
586276015	AF38194
586276016	AF38195
586276017	AF38196
586276018	AF38178
586276019	AF38179
1205141029	Method Blank (MB)CVAA
1205141030	Laboratory Control Sample (LCS)
1205141033	586020001(NonSDGL) Serial Dilution (SD)
1205141031	586020001(NonSDGD) Sample Duplicate (DUP)
1205141032	586020001(NonSDGS) Matrix Spike (MS)

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

Data Summary:

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

Product: Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer

Analytical Method: SW846 7470A
Analytical Procedure: GL-MA-E-010 REV# 38
Analytical Batch: 2291773

Preparation Method: SW846 7470A Prep
Preparation Procedure: GL-MA-E-010 REV# 38
Preparation Batch: 2291768

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
586276011	AF38191
1205143341	Method Blank (MB)CVAA
1205143342	Laboratory Control Sample (LCS)
1205143345	585226001(NonSDGL) Serial Dilution (SD)
1205143343	585226001(NonSDGD) Sample Duplicate (DUP)
1205143344	585226001(NonSDGS) Matrix Spike (MS)

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

Data Summary:

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

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 - 20 DAYS

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 7 / 25 / 22 Send report to lcwillig@santecooper.com & sjbrown@santecooper.com

Chain of Custody

586277
586276



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	RAD 226/225	TOTAL RAD CALC.	Hg
AF38185	WAP-23	7/13/22	1225	DEW BM	3	P	G	GW	2	Hg-7470 RL < 0.200 ug/L	2	X	1
AF38186	WAP-24	L	1531										
AF38162	WAP-7	L	1000										
AF38187	WAP-25	7/11/22	1030										
AF38188	WAP-26		1141										
AF38189	WAP-26 DUP		1146										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sj Brown</i>	35594	7/15/22	1130	<i>R. S. J.</i>	GEL	7/15/22	1130
<i>K. S. J.</i>		7/15/22	1645	<i>M. H.</i>		7-15-22	1645

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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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Chain of Custody

586277
586276



Customer Email/Report Recipient: LCWILLIA@santeecooper.com Date Results Needed by: Project/Task/Unit #: 125915 / JMO2.08.GP1.3 / 365a 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 O.C.L.C.	Hg
AF38165	WAP-10	7/13/22	1322	DEW BM	3	P	G	GW	2	Hg-7470 RL < 0.200 ug/L	2	X	1
AF38166	WAP-10 DUP		1327										
AF38164	WAP-9		1434										
AF38163	WAP-8	7/12/22	1153	 	 	 	 	 	 	SJB	 	 	

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sibrown</i>	35594	7/15/22	1130	<i>R. Sife</i>	GEL	7/15/22	1130
<i>R. Sife</i>		7/15/22	1645	<i>M. [Signature]</i>		7/15/22	1645

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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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Chain of Custody

586277
586276



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 12915 / JM02.08.GP1.1 / 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
AF38181	WAP-19	7/13/22	1108	DEW BM	3	P	G	GW	2	Hg-7470 RL < 0.200 ug/L	2	x	1
AF38191	WBW-A1-1	7/12/22	1044										
AF38197	WLF-A1-5		1358										
AF38192	WLF-A1-1		1455										
AF38193	WLF-A1-2	7/11/22	1338										
AF38194	WLF-A1-3		1441										
AF38195	WLF-A1-4		1535										
AF38196	WLF-A1-4 DUP		1540										
AF38178	WAP-17	7/12/22	1235										
AF38177	WAP-17 DUP		1240										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sj Brown</i>	35594	7/15/22	1130	<i>R. Siff</i>	GEL	7/15/22	1130
<i>R. Siff</i>		7/15/22	1645	<i>M. [Signature]</i>		7-15-22	1645

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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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SAMPLE RECEIPT & REVIEW FORM

Client: 500P SDG/AR/COC/Work Order: 586275/586281/586277/586276

Received By: MJS Date Received: 7-15-22 Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other

Carrier and Tracking Number

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? 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): 700 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 PCRA 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 <input checked="" type="checkbox"/> None Other: _____ *all temperatures are recorded in Celsius TEMP: <u>20</u>
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>IR122</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#: _____ If Yes, are Encores or Soil Kits present for solids? Yes ___ No ___ NA ___ (If yes, take to VOA Freezer)
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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"/>	Circle Applicable: Not relinquished Other (describe)
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials SW Date 7/18/22 Page 1 of 1

List of current GEL Certifications as of 25 July 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-5
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019-165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780



September 01, 2022

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

Re: ABS Lab Analytical
Work Order: 589538

Dear Ms. Gilmetti:

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

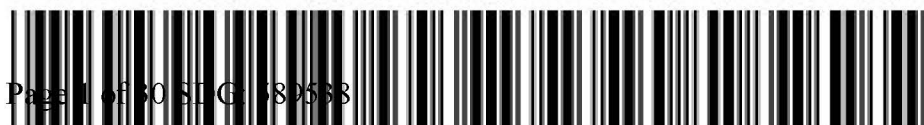
Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without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

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

Sincerely,

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: 589538 GEL Work Order: 589538

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: September 1, 2022

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

Client Sample ID: AF38185	Project: SOOP00119
Sample ID: 589538001	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 13-JUL-22 12:25	
Receive Date: 15-JUL-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	2.14	+/-1.65	2.62	3.00	pCi/L			JXC9	08/30/22	1202	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		4.19	+/-1.73			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.05	+/-0.516	0.449	1.00	pCi/L			LXP1	08/09/22	0901	2306991	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"			57.3	(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

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: September 1, 2022

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

Client Sample ID: AF38186	Project: SOOP00119
Sample ID: 589538002	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 13-JUL-22 15:31	
Receive Date: 15-JUL-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	-0.120	+/-0.780	1.55	3.00	pCi/L			JXC9	08/30/22	1202	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.01	+/-0.868			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.01	+/-0.381	0.427	1.00	pCi/L			LXP1	08/09/22	0901	2306991	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"			76.4	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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

Client Sample ID: AF38162	Project: SOOP00119
Sample ID: 589538003	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 13-JUL-22 10:00	
Receive Date: 15-JUL-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	1.34	+/-1.38	2.30	3.00	pCi/L			JXC9	08/30/22	1202	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.84	+/-1.47			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.50	+/-0.496	0.500	1.00	pCi/L			LXP1	08/09/22	0901	2306991	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"			72.6	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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Company : Santee Cooper
 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: AF38187	Project: SOOP00119
Sample ID: 589538004	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 11-JUL-22 10:30	
Receive Date: 15-JUL-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	1.67	+/-1.34	2.15	3.00	pCi/L			JXC9	08/30/22	1202	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.84	+/-1.39			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.18	+/-0.366	0.289	1.00	pCi/L			LXP1	08/09/22	0901	2306991	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"			71.6	(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

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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: AF38188	Project: SOOP00119
Sample ID: 589538005	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 11-JUL-22 11:41	
Receive Date: 15-JUL-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	1.47	+/-1.10	1.72	3.00	pCi/L			JXC9	08/30/22	1202	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.07	+/-1.18			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.60	+/-0.423	0.215	1.00	pCi/L			LXP1	08/09/22	0901	2306991	3

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			75.2	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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Company : Santee Cooper
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 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38189	Project: SOOP00119
Sample ID: 589538006	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 11-JUL-22 11:46	
Receive Date: 15-JUL-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	0.769	+/-1.15	1.98	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.76	+/-1.20			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.991	+/-0.352	0.330	1.00	pCi/L			LXP1	08/09/22	0901	2306991	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"			76.7	(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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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: AF38165	Project: SOOP00119
Sample ID: 589538007	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 13-JUL-22 13:22	
Receive Date: 15-JUL-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	+/-1.45	2.76	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.10	+/-1.51			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.10	+/-0.439	0.249	1.00	pCi/L			LXP1	08/09/22	0901	2306991	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"			70.1	(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: September 1, 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: AF38166	Project: SOOP00119
Sample ID: 589538008	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 13-JUL-22 13:27	
Receive Date: 15-JUL-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	1.54	+/-1.48	2.43	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.70	+/-1.56			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.17	+/-0.504	0.227	1.00	pCi/L			LXP1	08/09/22	0933	2306991	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"			63.7	(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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Company : Santee Cooper
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 Moncks Corner, South Carolina 29461
 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38164	Project: SOOP00119
Sample ID: 589538009	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 13-JUL-22 14:34	
Receive Date: 15-JUL-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	0.672	+/-1.55	2.72	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.20	+/-1.57			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.525	+/-0.290	0.382	1.00	pCi/L			LXP1	08/09/22	0933	2306991	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"			66.2	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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

Client Sample ID: AF38181	Project: SOOP00119
Sample ID: 589538010	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 13-JUL-22 11:08	
Receive Date: 15-JUL-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	1.46	+/-1.26	2.05	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		1.94	+/-1.31			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.479	+/-0.332	0.484	1.00	pCi/L			LXP1	08/09/22	0933	2306991	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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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: AF38191	Project: SOOP00119
Sample ID: 589538011	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 12-JUL-22 10:44	
Receive Date: 15-JUL-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	0.975	+/-1.23	2.08	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.10	+/-1.32			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.12	+/-0.474	0.251	1.00	pCi/L			LXP1	08/09/22	0933	2306991	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"			76.8	(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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 Moncks Corner, South Carolina 29461
 Contact: Ms. Jeanette Gilmetti
 Project: ABS Lab Analytical

Client Sample ID: AF38197	Project: SOOP00119
Sample ID: 589538012	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 12-JUL-22 13:58	
Receive Date: 15-JUL-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	0.477	+/-1.46	2.59	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		0.816	+/-1.48			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.339	+/-0.255	0.375	1.00	pCi/L			LXP1	08/09/22	0933	2306991	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"			74.3	(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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 1, 2022

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

Client Sample ID: AF38192	Project: SOOP00119
Sample ID: 589538013	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 12-JUL-22 14:55	
Receive Date: 15-JUL-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	0.572	+/-1.34	2.36	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		0.762	+/-1.36			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.189	+/-0.254	0.437	1.00	pCi/L			LXP1	08/09/22	0933	2306991	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"			73.6	(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: September 1, 2022

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

Client Sample ID: AF38193	Project: SOOP00119
Sample ID: 589538014	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 11-JUL-22 13:38	
Receive Date: 15-JUL-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		1.91	+/-1.19	1.81	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.80	+/-1.23			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.885	+/-0.312	0.272	1.00	pCi/L			LXP1	08/09/22	0933	2306991	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"			74	(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: September 1, 2022

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

Client Sample ID: AF38194	Project: SOOP00119
Sample ID: 589538015	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 11-JUL-22 14:41	
Receive Date: 15-JUL-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	1.52	+/-1.21	1.93	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.49	+/-1.26			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.963	+/-0.370	0.343	1.00	pCi/L			LXP1	08/09/22	1007	2306991	3

The following Analytical Methods were performed:

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

Surrogate/Tracer	Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer		GFPC, Ra228, Liquid "As Received"			75.2	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

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Certificate of Analysis

Report Date: September 1, 2022

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

Client Sample ID: AF38195	Project: SOOP00119
Sample ID: 589538016	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 11-JUL-22 15:35	
Receive Date: 15-JUL-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		2.39	+/-1.24	1.77	3.00	pCi/L			JXC9	08/30/22	1203 2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"												
Radium-226+228 Sum		2.88	+/-1.27			pCi/L			NXL1	09/01/22	0836 2306992	2
Rad Radium-226												
Lucas Cell, Ra226, Liquid "As Received"												
Radium-226		0.493	+/-0.274	0.337	1.00	pCi/L			LXP1	08/09/22	1007 2306991	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"			68.8	(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: September 1, 2022

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

Client Sample ID: AF38196	Project: SOOP00119
Sample ID: 589538017	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 11-JUL-22 15:40	
Receive Date: 15-JUL-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	0.604	+/-0.922	1.60	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		0.982	+/-0.965			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.378	+/-0.285	0.418	1.00	pCi/L			LXP1	08/09/22	1007	2306991	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"			73.7	(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: September 1, 2022

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

Client Sample ID: AF38178	Project: SOOP00119
Sample ID: 589538018	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 12-JUL-22 12:35	
Receive Date: 15-JUL-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		1.93	+/-1.16	1.73	3.00	pCi/L			JXC9	08/30/22	1203	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		2.97	+/-1.21			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.04	+/-0.332	0.242	1.00	pCi/L			LXP1	08/09/22	1007	2306991	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"			71.5	(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: September 1, 2022

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

Client Sample ID: AF38179	Project: SOOP00119
Sample ID: 589538019	Client ID: SOOP001
Matrix: Ground Water	
Collect Date: 12-JUL-22 12:40	
Receive Date: 15-JUL-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	2.40	+/-1.57	2.46	3.00	pCi/L			JXC9	08/30/22	1204	2303555	1
Radium-226+Radium-228 Calculation "See Parent Products"													
Radium-226+228 Sum		3.09	+/-1.60			pCi/L			NXL1	09/01/22	0836	2306992	2
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.691	+/-0.330	0.407	1.00	pCi/L			LXP1	08/09/22	1007	2306991	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"			70.8	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

GEL LABORATORIES LLC

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

QC Summary

Report Date: September 1, 2022

Page 1 of 2

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

Contact: Ms. Jeanette Gilmetti

Workorder: 589538

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	2303555										
QC1205165059	589538002	DUP									
Radium-228	U	-0.120	U	0.892	pCi/L	N/A		N/A	JXC9	08/30/22	12:02
	Uncertainty	+/-0.780		+/-1.30							
QC1205165060	LCS										
Radium-228	44.7			42.8	pCi/L		95.8	(75%-125%)		08/30/22	12:02
	Uncertainty			+/-3.41							
QC1205165058	MB										
Radium-228			U	-0.632	pCi/L					08/30/22	12:02
	Uncertainty			+/-0.815							
Rad Ra-226											
Batch	2306991										
QC1205171938	589538001	DUP									
Radium-226		2.05		2.08	pCi/L	1.09		(0%-20%)	LXPI	08/09/22	10:07
	Uncertainty	+/-0.516		+/-0.464							
QC1205171940	LCS										
Radium-226	26.5			23.4	pCi/L		88.3	(75%-125%)		08/09/22	10:39
	Uncertainty			+/-1.50							
QC1205171937	MB										
Radium-226			U	0.196	pCi/L					08/09/22	10:07
	Uncertainty			+/-0.226							
QC1205171939	589538001	MS									
Radium-226	132	2.05		102	pCi/L		75.5	(75%-125%)		08/09/22	10:39
	Uncertainty	+/-0.516		+/-7.61							

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported
- BD Results are either below the MDC or tracer recovery is low
- FA Failed analysis.

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QC Summary

Workorder: 589538

Page 2 of 2

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
H											
J											
J											
K											
L											
M											
M											
N/A											
NI											
ND											
NJ											
Q											
R											
U											
UI											
UJ											
UL											
X											
Y											
^											
h											

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 #: 589538**

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified

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

Analytical Batch: 2303555

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
589538001	AF38185
589538002	AF38186
589538003	AF38162
589538004	AF38187
589538005	AF38188
589538006	AF38189
589538007	AF38165
589538008	AF38166
589538009	AF38164
589538010	AF38181
589538011	AF38191
589538012	AF38197
589538013	AF38192
589538014	AF38193
589538015	AF38194
589538016	AF38195
589538017	AF38196
589538018	AF38178
589538019	AF38179
1205165058	Method Blank (MB)
1205165059	589538002(AF38186) Sample Duplicate (DUP)
1205165060	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: 2306991

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

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
589538001	AF38185
589538002	AF38186
589538003	AF38162
589538004	AF38187
589538005	AF38188
589538006	AF38189
589538007	AF38165
589538008	AF38166
589538009	AF38164
589538010	AF38181
589538011	AF38191
589538012	AF38197
589538013	AF38192
589538014	AF38193
589538015	AF38194
589538016	AF38195
589538017	AF38196
589538018	AF38178
589538019	AF38179
1205171937	Method Blank (MB)
1205171938	589538001(AF38185) Sample Duplicate (DUP)
1205171939	589538001(AF38185) Matrix Spike (MS)
1205171940	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, 1205171939 (AF38185MS), 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.

RAD - 20 DAYS

Contract Lab Info: GEL

Contract Lab Due Date (Lab Only): 7 / 25 / 22

Send report to lcwillia@santecooper.com & sjbrown@santecooper.com

586277

Chain of Custody



Santee Cooper
One Riverwood Drive
Moncks Corner, SC 29461
Phone: (843)761-8000 Ext. 5141
Fax: (843)761-4171

Customer Email/Report Recipient:

Date Results Needed by:

Project/Task/Unit #:

Rerun request for any flagged QC

LCWILLIA @santecooper.com

____/____/____

125915 / JM02.09.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 • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	TOTAL RAD CALC.	Hg
AF38186	WAP-24	L	1531										
AF38162	WAP-7	L	1000										
AF38187	WAP-25	7/11/22	1030										
AF38188	WAP-26		1141										
AF38189	WAP-26 DUP		1146										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>S. Brown</i>	35594	7/15/22	1130	<i>R. S. H</i>	GEL	7/15/22	1120
<i>K. S. H</i>		7/15/22	1645	<i>M. H</i>		7-15-22	1645

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> AS <input type="checkbox"/> TSS	Oil Trans. Oil Qual. <input type="checkbox"/> % Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Detecrite 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"/> TX <input type="checkbox"/> GOFER
--	--	---	--	---	--	--

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

Preservative code 1=HNO3 2=H2SO4 3=HCl 4=HCl 5=Na2S2O3 6=Other (Specify)

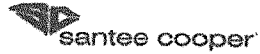
Contract Lab Info: GEL

Contract Lab Due Date (Lab Only): 7 / 25 / 22

Send report to lcwillia@santecooper.com & sjbrown@santecooper.com

Chain of Custody

586277



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 / JM02.08.GP1.3 / 3650

Yes No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	TOTAL RAD CHL.	Hg
AF38166	WAP-10 D4P		1327										
AF38164	WAP-9		1434										
AF38163	WAP-8	7/12/22	1153	 	 	 	 	 	 	SJB	 	 	

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35594	7/15/22	1130	<i>K. Siff</i>	GEL	7/15/22	1130
<i>K. Siff</i>		7/15/22	1645	<i>M. [Signature]</i>		7/15/22	1645

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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil 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"/> GOFER
--	--	--	--	---	--	--

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, O-oil, S-Soil, SL-solid,

Specialty: 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

Chain of Custody

586277



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 12915 / 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	RAD 226/228	TOTAL RAD CALC	Hg
AF38181	WAP-19	7/13/22	1108	DEW BM	3	P	G	GW	2	Hg-7470 RL < 0.200 ug/L	2	X	1
AF38191	WBW-A1-1	7/12/22	1044										
AF38197	WLF-A1-5		1353										
AF38192	WLF-A1-1		1455										
AF38193	WLF-A1-2	7/11/22	1338										
AF38194	WLF-A1-3		1441										
AF38195	WLF-A1-4		1535										
AF38196	WLF-A1-4 DUP		1540										
AF38178	WAP-17	7/12/22	1235										
AF38179	WAP-17 DUP		1240										

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>S. Brown</i>	35594	7/15/22	1130	<i>J. S. J.</i>	GEL	7/15/22	1130
<i>R. Smith</i>		7/15/22	1645	<i>M. J.</i>		7-15-22	1645

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			Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil Trans. Oil Qual. <input type="checkbox"/> %Moisture Color Acidity Dielectric Strength IFT Dissolved Gases Used Oil Flashpoint Metals in oil (As, Cd, Cr, Ni, Pb, Hg) TX GOFER
--	--	--	--	--	--	---	--	---

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

Preservative code: 1=H2O 2=HNO3 3=H2SO4 4=HCl 5=Na2S2O3 6=Other (Specify)

SAMPLE RECEIPT & REVIEW FORM

SDG/AR/COC/Work Order: 586275/586281/586277

Client: SOOP

Received By: MJS

Date Received: 7-15-22

Circle Applicable:
 FedEx Express FedEx Ground UPS Field Services Courier Other

Carrier and Tracking Number

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): 900 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 PCRA Asbestos Beryllium Other: _____

Sample Receipt Criteria	Yes	NA	No
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8 Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>

Comments/Qualifiers (Required for Non-Confirming Items)

Circle Applicable: Seals broken Damaged container Leaking container Other (describe) _____

Circle Applicable: Client contacted and provided COC COC created upon receipt

Preservation Method: Wet ice Ice Packs Dry ice None Other: _____ TEMP: 20

*all temperatures are recorded in Celsius

Temperature Device Serial #: TR922

Secondary Temperature Device Serial # (If Applicable): _____

Circle Applicable: Seals broken Damaged container Leaking container Other (describe) _____

Sample ID's and Containers Affected: _____

If Preservation added, Lot#: _____

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: _____

ID's and tests affected: _____

ID's and containers affected: _____

Circle Applicable: No dates on containers No times on containers COC missing info Other (describe) _____

Circle Applicable: No container count on COC Other (describe) _____

Circle Applicable: Not relinquished Other (describe) _____

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials SW Date 7/18/22 Page 1 of 1

List of current GEL Certifications as of 01 September 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122023-3
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	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

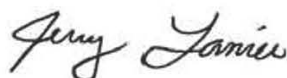
ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-221296-1
Client Project/Site: 125915/JM02.09.G01.1/36500

For:
South Carolina Public Service Authority
Santee Cooper
PO BOX 2946101
Moncks Corner, South Carolina 29461-2901

Attn: Linda Williams



Authorized for release by:
9/30/2022 7:36:40 PM

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

LINKS

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results through



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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/JM02.09.G01.1/36500

Job ID: 680-221296-1

Job ID: 680-221296-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative
680-221296-1

Receipt

The samples were received on 9/16/2022 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 24.0°C

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/JM02.09.G01.1/36500

Job ID: 680-221296-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-221296-1	AF38168	Water	07/06/22 14:06	09/16/22 10:30
680-221296-2	AF38169	Water	07/06/22 14:11	09/16/22 10:30
680-221296-3	AF38170	Water	07/18/22 13:12	09/16/22 10:30
680-221296-4	AF38171	Water	07/20/22 14:12	09/16/22 10:30
680-221296-5	AF38172	Water	07/20/22 14:17	09/16/22 10:30
680-221296-6	AF38173	Water	07/20/22 11:00	09/16/22 10:30
680-221296-7	AF38174	Water	07/20/22 12:20	09/16/22 10:30
680-221296-8	AF38175	Water	07/20/22 13:17	09/16/22 10:30
680-221296-9	AF38176	Water	07/18/22 14:30	09/16/22 10:30
680-221296-10	AF38177	Water	07/14/22 12:48	09/16/22 10:30
680-221296-11	AF38178	Water	07/12/22 12:35	09/16/22 10:30
680-221296-12	AF38179	Water	07/12/22 12:40	09/16/22 10:30
680-221296-13	AF38180	Water	07/07/22 14:43	09/16/22 10:30
680-221296-14	AF38181	Water	07/13/22 11:08	09/16/22 10:30
680-221296-15	AF38182	Water	07/28/22 11:00	09/16/22 10:30
680-221296-16	AF38183	Water	07/14/22 10:45	09/16/22 10:30
680-221296-17	AF38184	Water	07/07/22 13:44	09/16/22 10:30
680-221296-18	AF38185	Water	07/13/22 12:25	09/16/22 10:30
680-221296-19	AF38186	Water	07/13/22 15:31	09/16/22 10:30
680-221296-20	AF38187	Water	07/11/22 10:30	09/16/22 10:30
680-221296-21	AF38188	Water	07/11/22 11:41	09/16/22 10:30
680-221296-22	AF38189	Water	07/11/22 11:46	09/16/22 10:30
680-221296-23	AF38190	Water	07/06/22 10:23	09/16/22 10:30
680-221296-24	AF38191	Water	07/12/22 10:44	09/16/22 10:30
680-221296-25	AF38192	Water	07/12/22 14:55	09/16/22 10:30
680-221296-26	AF38193	Water	07/11/22 13:38	09/16/22 10:30
680-221296-27	AF38194	Water	07/11/22 14:41	09/16/22 10:30
680-221296-28	AF38195	Water	07/11/22 15:35	09/16/22 10:30
680-221296-29	AF38196	Water	07/11/22 15:40	09/16/22 10:30
680-221296-30	AF38197	Water	07/12/22 13:58	09/16/22 10:30
680-221296-31	AF38198	Water	07/07/22 12:37	09/16/22 10:30
680-221296-32	AF38199	Water	07/07/22 11:37	09/16/22 10:30
680-221296-33	AF38200	Water	07/14/22 11:50	09/16/22 10:30

Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SAV
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/JM02.09.G01.1/36500

Job ID: 680-221296-1

Qualifiers

Metals

Qualifier	Qualifier Description
^6+	Interference Check Standard (ICSA and/or ICSAB) is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Detection Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38168

Lab Sample ID: 680-221296-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	126000		500		ug/L	1		6010D	Total Recoverable
Iron	2690		100		ug/L	1		6010D	Total Recoverable
Magnesium	18100		500		ug/L	1		6010D	Total Recoverable
Potassium	5890		1000		ug/L	1		6010D	Total Recoverable
Sodium	30500		2000		ug/L	1		6010D	Total Recoverable
Aluminum	2830		100		ug/L	1		6020B	Total Recoverable
Barium	22.2		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.14		0.500		ug/L	1		6020B	Total Recoverable
Zinc	22.7		20.0		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38169

Lab Sample ID: 680-221296-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	114000		500		ug/L	1		6010D	Total Recoverable
Iron	2430		100		ug/L	1		6010D	Total Recoverable
Magnesium	16400		500		ug/L	1		6010D	Total Recoverable
Potassium	5210		1000		ug/L	1		6010D	Total Recoverable
Sodium	27600		2000		ug/L	1		6010D	Total Recoverable
Aluminum	2860		100		ug/L	1		6020B	Total Recoverable
Barium	22.5		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.23		0.500		ug/L	1		6020B	Total Recoverable
Zinc	26.7		20.0		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38170

Lab Sample ID: 680-221296-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	355000		500		ug/L	1		6010D	Total Recoverable
Iron	50400		100		ug/L	1		6010D	Total Recoverable
Magnesium	24800		500		ug/L	1		6010D	Total Recoverable
Potassium	2270		1000		ug/L	1		6010D	Total Recoverable
Sodium	108000		2000		ug/L	1		6010D	Total Recoverable
Arsenic	5.60		3.00		ug/L	1		6020B	Total Recoverable
Barium	287		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: 680-221296-1

Client Sample ID: AF38170 (Continued)

Lab Sample ID: 680-221296-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.525		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38171

Lab Sample ID: 680-221296-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1170000		5000		ug/L	10		6010D	Total Recoverable
Magnesium	29800		500		ug/L	1		6010D	Total Recoverable
Potassium	15700		1000		ug/L	1		6010D	Total Recoverable
Sodium	128000		2000		ug/L	1		6010D	Total Recoverable
Arsenic	17.4		3.00		ug/L	1		6020B	Total Recoverable
Barium	41.6		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38172

Lab Sample ID: 680-221296-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1230000		5000		ug/L	10		6010D	Total Recoverable
Magnesium	27700		500		ug/L	1		6010D	Total Recoverable
Potassium	14400		1000		ug/L	1		6010D	Total Recoverable
Sodium	118000		2000		ug/L	1		6010D	Total Recoverable
Arsenic	13.6		3.00		ug/L	1		6020B	Total Recoverable
Barium	47.9		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38173

Lab Sample ID: 680-221296-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	759000		5000		ug/L	10		6010D	Total Recoverable
Magnesium	37100		500		ug/L	1		6010D	Total Recoverable
Potassium	11500		1000		ug/L	1		6010D	Total Recoverable
Sodium	104000		2000		ug/L	1		6010D	Total Recoverable
Arsenic	7.21		3.00		ug/L	1		6020B	Total Recoverable
Barium	90.3		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38174

Lab Sample ID: 680-221296-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	681000		500		ug/L	1		6010D	Total Recoverable
Iron	13200		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: 680-221296-1

Client Sample ID: AF38174 (Continued)

Lab Sample ID: 680-221296-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	29000		500		ug/L	1		6010D	Total Recoverable
Potassium	6470		1000		ug/L	1		6010D	Total Recoverable
Sodium	96600		2000		ug/L	1		6010D	Total Recoverable
Arsenic	6.29		3.00		ug/L	1		6020B	Total Recoverable
Barium	159		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38175

Lab Sample ID: 680-221296-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	152000		500		ug/L	1		6010D	Total Recoverable
Iron	6360		100		ug/L	1		6010D	Total Recoverable
Magnesium	7860		500		ug/L	1		6010D	Total Recoverable
Potassium	4770		1000		ug/L	1		6010D	Total Recoverable
Sodium	68800		2000		ug/L	1		6010D	Total Recoverable
Barium	77.6		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38176

Lab Sample ID: 680-221296-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	47100		500		ug/L	1		6010D	Total Recoverable
Iron	11700		100		ug/L	1		6010D	Total Recoverable
Magnesium	7760		500		ug/L	1		6010D	Total Recoverable
Potassium	2530		1000		ug/L	1		6010D	Total Recoverable
Sodium	18100		2000		ug/L	1		6010D	Total Recoverable
Arsenic	3.74		3.00		ug/L	1		6020B	Total Recoverable
Barium	147		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	0.830		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	1.13		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38177

Lab Sample ID: 680-221296-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	182000		500		ug/L	1		6010D	Total Recoverable
Iron	6610		100		ug/L	1		6010D	Total Recoverable
Magnesium	17700		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: 680-221296-1

Client Sample ID: AF38177 (Continued)

Lab Sample ID: 680-221296-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	10400		1000		ug/L	1		6010D	Total Recoverable
Sodium	111000		2000		ug/L	1		6010D	Total Recoverable
Aluminum	156		100		ug/L	1		6020B	Total Recoverable
Barium	70.2		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38178

Lab Sample ID: 680-221296-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	226000		500		ug/L	1		6010D	Total Recoverable
Iron	1550		100		ug/L	1		6010D	Total Recoverable
Magnesium	33600		500		ug/L	1		6010D	Total Recoverable
Molybdenum	28.0		10.0		ug/L	1		6010D	Total Recoverable
Potassium	12700		1000		ug/L	1		6010D	Total Recoverable
Sodium	60900		2000		ug/L	1		6010D	Total Recoverable
Arsenic	86.6		3.00		ug/L	1		6020B	Total Recoverable
Barium	41.0		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38179

Lab Sample ID: 680-221296-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	234000		500		ug/L	1		6010D	Total Recoverable
Iron	1540		100		ug/L	1		6010D	Total Recoverable
Magnesium	35200		500		ug/L	1		6010D	Total Recoverable
Molybdenum	29.4		10.0		ug/L	1		6010D	Total Recoverable
Potassium	13400		1000		ug/L	1		6010D	Total Recoverable
Sodium	64500		2000		ug/L	1		6010D	Total Recoverable
Arsenic	78.1		3.00		ug/L	1		6020B	Total Recoverable
Barium	42.3		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38180

Lab Sample ID: 680-221296-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	68700		500		ug/L	1		6010D	Total Recoverable
Iron	1110		100		ug/L	1		6010D	Total Recoverable
Magnesium	5140		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: 680-221296-1

Client Sample ID: AF38180 (Continued)

Lab Sample ID: 680-221296-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	179		10.0		ug/L	1		6010D	Total Recoverable
Potassium	6050		1000		ug/L	1		6010D	Total Recoverable
Sodium	25400		2000		ug/L	1		6010D	Total Recoverable
Aluminum	241		100		ug/L	1		6020B	Total Recoverable
Arsenic	189		3.00		ug/L	1		6020B	Total Recoverable
Barium	76.0		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	2.07		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38181

Lab Sample ID: 680-221296-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	316000		500		ug/L	1		6010D	Total Recoverable
Iron	2610		100		ug/L	1		6010D	Total Recoverable
Magnesium	40800		500		ug/L	1		6010D	Total Recoverable
Molybdenum	45.6		10.0		ug/L	1		6010D	Total Recoverable
Potassium	16100		1000		ug/L	1		6010D	Total Recoverable
Sodium	40000		2000		ug/L	1		6010D	Total Recoverable
Aluminum	2050		100		ug/L	1		6020B	Total Recoverable
Arsenic	112		3.00		ug/L	1		6020B	Total Recoverable
Barium	43.7		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	6.02		0.500		ug/L	1		6020B	Total Recoverable
Nickel	6.35		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38182

Lab Sample ID: 680-221296-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	32400		500		ug/L	1		6010D	Total Recoverable
Iron	72000		100		ug/L	1		6010D	Total Recoverable
Magnesium	10200		500		ug/L	1		6010D	Total Recoverable
Molybdenum	71.8		10.0		ug/L	1		6010D	Total Recoverable
Potassium	4940		1000		ug/L	1		6010D	Total Recoverable
Sodium	27500		2000		ug/L	1		6010D	Total Recoverable
Aluminum	74400		100		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: 680-221296-1

Client Sample ID: AF38182 (Continued)

Lab Sample ID: 680-221296-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	141		3.00		ug/L	1		6020B	Total Recoverable
Barium	122		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	0.690		0.500		ug/L	1		6020B	Total Recoverable
Chromium	93.2	^6+	5.00		ug/L	1		6020B	Total Recoverable
Cobalt	7.46		0.500		ug/L	1		6020B	Total Recoverable
Copper	16.4		5.00		ug/L	1		6020B	Total Recoverable
Lead	62.7		2.50		ug/L	1		6020B	Total Recoverable
Nickel	26.2		5.00		ug/L	1		6020B	Total Recoverable
Selenium	3.98		2.50		ug/L	1		6020B	Total Recoverable
Zinc	60.0		20.0		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38183

Lab Sample ID: 680-221296-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	74200		5000		ug/L	1		6010D	Total Recoverable
Iron	1090		1000		ug/L	1		6010D	Total Recoverable
Magnesium	11600		5000		ug/L	1		6010D	Total Recoverable
Aluminum	1660		1000		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38184

Lab Sample ID: 680-221296-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	435000		500		ug/L	1		6010D	Total Recoverable
Iron	38900		100		ug/L	1		6010D	Total Recoverable
Magnesium	66000		500		ug/L	1		6010D	Total Recoverable
Potassium	24300		1000		ug/L	1		6010D	Total Recoverable
Sodium	128000		2000		ug/L	1		6010D	Total Recoverable
Arsenic	65.9		3.00		ug/L	1		6020B	Total Recoverable
Barium	280		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	0.635		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38185

Lab Sample ID: 680-221296-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	218000		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: 680-221296-1

Client Sample ID: AF38185 (Continued)

Lab Sample ID: 680-221296-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	7720		100		ug/L	1		6010D	Total Recoverable
Magnesium	10400		500		ug/L	1		6010D	Total Recoverable
Potassium	1750		1000		ug/L	1		6010D	Total Recoverable
Sodium	40300		2000		ug/L	1		6010D	Total Recoverable
Barium	107		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38186

Lab Sample ID: 680-221296-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	99000		500		ug/L	1		6010D	Total Recoverable
Iron	187		100		ug/L	1		6010D	Total Recoverable
Magnesium	7950		500		ug/L	1		6010D	Total Recoverable
Potassium	4510		1000		ug/L	1		6010D	Total Recoverable
Sodium	26200		2000		ug/L	1		6010D	Total Recoverable

Client Sample ID: AF38187

Lab Sample ID: 680-221296-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	58600		500		ug/L	1		6010D	Total Recoverable
Iron	2920		100		ug/L	1		6010D	Total Recoverable
Magnesium	2010		500		ug/L	1		6010D	Total Recoverable
Potassium	1910		1000		ug/L	1		6010D	Total Recoverable
Sodium	9720		2000		ug/L	1		6010D	Total Recoverable
Barium	9.68		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38188

Lab Sample ID: 680-221296-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	19400		500		ug/L	1		6010D	Total Recoverable
Iron	542		100		ug/L	1		6010D	Total Recoverable
Magnesium	1700		500		ug/L	1		6010D	Total Recoverable
Sodium	3680		2000		ug/L	1		6010D	Total Recoverable
Aluminum	173		100		ug/L	1		6020B	Total Recoverable
Barium	45.8		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: 680-221296-1

Client Sample ID: AF38189

Lab Sample ID: 680-221296-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	20000		500		ug/L	1		6010D	Total Recoverable
Iron	573		100		ug/L	1		6010D	Total Recoverable
Magnesium	1780		500		ug/L	1		6010D	Total Recoverable
Sodium	3870		2000		ug/L	1		6010D	Total Recoverable
Aluminum	155		100		ug/L	1		6020B	Total Recoverable
Barium	39.4		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38190

Lab Sample ID: 680-221296-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	2520		500		ug/L	1		6010D	Total Recoverable
Iron	352		100		ug/L	1		6010D	Total Recoverable
Magnesium	897		500		ug/L	1		6010D	Total Recoverable
Sodium	2670		2000		ug/L	1		6010D	Total Recoverable
Aluminum	963		100		ug/L	1		6020B	Total Recoverable
Barium	38.3		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	3.15		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38191

Lab Sample ID: 680-221296-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	55900		500		ug/L	1		6010D	Total Recoverable
Iron	3280		100		ug/L	1		6010D	Total Recoverable
Magnesium	2240		500		ug/L	1		6010D	Total Recoverable
Potassium	3170		1000		ug/L	1		6010D	Total Recoverable
Sodium	11500		2000		ug/L	1		6010D	Total Recoverable
Aluminum	985		100		ug/L	1		6020B	Total Recoverable
Barium	113		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38192

Lab Sample ID: 680-221296-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	337000		500		ug/L	1		6010D	Total Recoverable
Iron	10300		100		ug/L	1		6010D	Total Recoverable
Magnesium	9370		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: 680-221296-1

Client Sample ID: AF38192 (Continued)

Lab Sample ID: 680-221296-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	4370		1000		ug/L	1		6010D	Total Recoverable
Sodium	9600		2000		ug/L	1		6010D	Total Recoverable
Aluminum	149		100		ug/L	1		6020B	Total Recoverable
Barium	32.7		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38193

Lab Sample ID: 680-221296-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	23800		500		ug/L	1		6010D	Total Recoverable
Iron	2860		100		ug/L	1		6010D	Total Recoverable
Magnesium	655		500		ug/L	1		6010D	Total Recoverable
Aluminum	2250		100		ug/L	1		6020B	Total Recoverable
Barium	51.6		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.91		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38194

Lab Sample ID: 680-221296-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	17600	F1	500		ug/L	1		6010D	Total Recoverable
Calcium	14600		500		ug/L	1		6010D	Total Recoverable
Iron	477		100		ug/L	1		6010D	Total Recoverable
Iron	399		100		ug/L	1		6010D	Total Recoverable
Sodium	2380		2000		ug/L	1		6010D	Total Recoverable
Sodium	2010		2000		ug/L	1		6010D	Total Recoverable
Aluminum	3180		100		ug/L	1		6020B	Total Recoverable
Arsenic	6.95		3.00		ug/L	1		6020B	Total Recoverable
Barium	32.4		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	0.885		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38195

Lab Sample ID: 680-221296-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	71200		500		ug/L	1		6010D	Total Recoverable
Iron	2520		100		ug/L	1		6010D	Total Recoverable
Magnesium	1280		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: 680-221296-1

Client Sample ID: AF38195 (Continued)

Lab Sample ID: 680-221296-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1260		1000		ug/L	1		6010D	Total Recoverable
Sodium	2700		2000		ug/L	1		6010D	Total Recoverable
Aluminum	131		100		ug/L	1		6020B	Total Recoverable
Barium	35.0		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38196

Lab Sample ID: 680-221296-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	60400		500		ug/L	1		6010D	Total Recoverable
Iron	2120		100		ug/L	1		6010D	Total Recoverable
Magnesium	1100		500		ug/L	1		6010D	Total Recoverable
Potassium	1060		1000		ug/L	1		6010D	Total Recoverable
Sodium	2310		2000		ug/L	1		6010D	Total Recoverable
Aluminum	165		100		ug/L	1		6020B	Total Recoverable
Barium	42.8		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38197

Lab Sample ID: 680-221296-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	272000		500		ug/L	1		6010D	Total Recoverable
Iron	2870		100		ug/L	1		6010D	Total Recoverable
Magnesium	25900		500		ug/L	1		6010D	Total Recoverable
Potassium	6390		1000		ug/L	1		6010D	Total Recoverable
Sodium	15600		2000		ug/L	1		6010D	Total Recoverable
Barium	39.5		5.00		ug/L	1		6020B	Total Recoverable
Zinc	22.4		20.0		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38198

Lab Sample ID: 680-221296-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	95400		500		ug/L	1		6010D	Total Recoverable
Iron	1560		100		ug/L	1		6010D	Total Recoverable
Magnesium	7170		500		ug/L	1		6010D	Total Recoverable
Potassium	4910		1000		ug/L	1		6010D	Total Recoverable
Sodium	21600		2000		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: 680-221296-1

Client Sample ID: AF38198 (Continued)

Lab Sample ID: 680-221296-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	428		100		ug/L	1		6020B	Total Recoverable
Arsenic	106		3.00		ug/L	1		6020B	Total Recoverable
Barium	72.5		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.45		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38199

Lab Sample ID: 680-221296-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	94200		500		ug/L	1		6010D	Total Recoverable
Iron	2670		100		ug/L	1		6010D	Total Recoverable
Magnesium	3430		500		ug/L	1		6010D	Total Recoverable
Potassium	3500		1000		ug/L	1		6010D	Total Recoverable
Sodium	9770		2000		ug/L	1		6010D	Total Recoverable
Arsenic	242		3.00		ug/L	1		6020B	Total Recoverable
Barium	60.6		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	0.620		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF38200

Lab Sample ID: 680-221296-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	131000		500		ug/L	1		6010D	Total Recoverable
Iron	448		100		ug/L	1		6010D	Total Recoverable
Magnesium	7380		500		ug/L	1		6010D	Total Recoverable
Potassium	4190		1000		ug/L	1		6010D	Total Recoverable
Sodium	5810		2000		ug/L	1		6010D	Total Recoverable
Arsenic	3.70		3.00		ug/L	1		6020B	Total Recoverable
Barium	36.6		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: 680-221296-1

Client Sample ID: AF38168

Lab Sample ID: 680-221296-1

Date Collected: 07/06/22 14:06

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	126000		500		ug/L		09/20/22 05:39	09/20/22 15:29	1
Iron	2690		100		ug/L		09/20/22 05:39	09/20/22 15:29	1
Magnesium	18100		500		ug/L		09/20/22 05:39	09/20/22 15:29	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:29	1
Potassium	5890		1000		ug/L		09/20/22 05:39	09/20/22 15:29	1
Sodium	30500		2000		ug/L		09/20/22 05:39	09/20/22 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2830		100		ug/L		09/20/22 05:39	09/20/22 23:35	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:35	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 23:35	1
Barium	22.2		5.00		ug/L		09/20/22 05:39	09/20/22 23:35	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:35	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:35	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:35	1
Cobalt	1.14		0.500		ug/L		09/20/22 05:39	09/20/22 23:35	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:35	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:35	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:35	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:35	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:35	1
Zinc	22.7		20.0		ug/L		09/20/22 05:39	09/20/22 23:35	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38169

Lab Sample ID: 680-221296-2

Date Collected: 07/06/22 14:11

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	114000		500		ug/L		09/20/22 05:39	09/20/22 15:11	1
Iron	2430		100		ug/L		09/20/22 05:39	09/20/22 15:11	1
Magnesium	16400		500		ug/L		09/20/22 05:39	09/20/22 15:11	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:11	1
Potassium	5210		1000		ug/L		09/20/22 05:39	09/20/22 15:11	1
Sodium	27600		2000		ug/L		09/20/22 05:39	09/20/22 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2860		100		ug/L		09/20/22 05:39	09/20/22 23:07	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:07	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 23:07	1
Barium	22.5		5.00		ug/L		09/20/22 05:39	09/20/22 23:07	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:07	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:07	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:07	1
Cobalt	1.23		0.500		ug/L		09/20/22 05:39	09/20/22 23:07	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:07	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:07	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:07	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:07	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:07	1
Zinc	26.7		20.0		ug/L		09/20/22 05:39	09/20/22 23:07	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38170

Lab Sample ID: 680-221296-3

Date Collected: 07/18/22 13:12

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	355000		500		ug/L		09/20/22 05:22	09/20/22 16:24	1
Iron	50400		100		ug/L		09/20/22 05:22	09/20/22 16:24	1
Magnesium	24800		500		ug/L		09/20/22 05:22	09/20/22 16:24	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:24	1
Potassium	2270		1000		ug/L		09/20/22 05:22	09/20/22 16:24	1
Sodium	108000		2000		ug/L		09/20/22 05:22	09/20/22 16:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 20:55	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 20:55	1
Arsenic	5.60		3.00		ug/L		09/20/22 05:22	09/20/22 20:55	1
Barium	287		5.00		ug/L		09/20/22 05:22	09/20/22 20:55	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 20:55	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 20:55	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 20:55	1
Cobalt	0.525		0.500		ug/L		09/20/22 05:22	09/20/22 20:55	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 20:55	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 20:55	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 20:55	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 20:55	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 20:55	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 20:55	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38171

Lab Sample ID: 680-221296-4

Date Collected: 07/20/22 14:12

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1170000		5000		ug/L		09/20/22 05:39	09/21/22 15:27	10
Iron	100	U	100		ug/L		09/20/22 05:39	09/20/22 15:41	1
Magnesium	29800		500		ug/L		09/20/22 05:39	09/20/22 15:41	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:41	1
Potassium	15700		1000		ug/L		09/20/22 05:39	09/20/22 15:41	1
Sodium	128000		2000		ug/L		09/20/22 05:39	09/20/22 15:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:39	09/20/22 23:54	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:54	1
Arsenic	17.4		3.00		ug/L		09/20/22 05:39	09/20/22 23:54	1
Barium	41.6		5.00		ug/L		09/20/22 05:39	09/20/22 23:54	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:54	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:54	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:54	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:54	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:54	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:54	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:54	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:54	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:54	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:54	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38172

Lab Sample ID: 680-221296-5

Date Collected: 07/20/22 14:17

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1230000		5000		ug/L		09/20/22 05:22	09/21/22 15:33	10
Iron	100	U	100		ug/L		09/20/22 05:22	09/20/22 16:54	1
Magnesium	27700		500		ug/L		09/20/22 05:22	09/20/22 16:54	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:54	1
Potassium	14400		1000		ug/L		09/20/22 05:22	09/20/22 16:54	1
Sodium	118000		2000		ug/L		09/20/22 05:22	09/20/22 16:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:42	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:42	1
Arsenic	13.6		3.00		ug/L		09/20/22 05:22	09/20/22 21:42	1
Barium	47.9		5.00		ug/L		09/20/22 05:22	09/20/22 21:42	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:42	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:42	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:42	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:42	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:42	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:42	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:42	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:42	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:42	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:42	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38173

Lab Sample ID: 680-221296-6

Date Collected: 07/20/22 11:00

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	759000		5000		ug/L		09/20/22 05:22	09/21/22 15:30	10
Iron	100	U	100		ug/L		09/20/22 05:22	09/20/22 16:39	1
Magnesium	37100		500		ug/L		09/20/22 05:22	09/20/22 16:39	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:39	1
Potassium	11500		1000		ug/L		09/20/22 05:22	09/20/22 16:39	1
Sodium	104000		2000		ug/L		09/20/22 05:22	09/20/22 16:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:26	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:26	1
Arsenic	7.21		3.00		ug/L		09/20/22 05:22	09/20/22 21:26	1
Barium	90.3		5.00		ug/L		09/20/22 05:22	09/20/22 21:26	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:26	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:26	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:26	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:26	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:26	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:26	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:26	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:26	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:26	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:26	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38174

Lab Sample ID: 680-221296-7

Date Collected: 07/20/22 12:20

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	681000		500		ug/L		09/20/22 05:22	09/20/22 16:59	1
Iron	13200		100		ug/L		09/20/22 05:22	09/20/22 16:59	1
Magnesium	29000		500		ug/L		09/20/22 05:22	09/20/22 16:59	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:59	1
Potassium	6470		1000		ug/L		09/20/22 05:22	09/20/22 16:59	1
Sodium	96600		2000		ug/L		09/20/22 05:22	09/20/22 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:50	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:50	1
Arsenic	6.29		3.00		ug/L		09/20/22 05:22	09/20/22 21:50	1
Barium	159		5.00		ug/L		09/20/22 05:22	09/20/22 21:50	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:50	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:50	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:50	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:50	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:50	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:50	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:50	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:50	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:50	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:50	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38175

Lab Sample ID: 680-221296-8

Date Collected: 07/20/22 13:17

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	152000		500		ug/L		09/20/22 05:39	09/20/22 15:39	1
Iron	6360		100		ug/L		09/20/22 05:39	09/20/22 15:39	1
Magnesium	7860		500		ug/L		09/20/22 05:39	09/20/22 15:39	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:39	1
Potassium	4770		1000		ug/L		09/20/22 05:39	09/20/22 15:39	1
Sodium	68800		2000		ug/L		09/20/22 05:39	09/20/22 15:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:39	09/20/22 23:50	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:50	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 23:50	1
Barium	77.6		5.00		ug/L		09/20/22 05:39	09/20/22 23:50	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:50	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:50	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:50	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:50	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:50	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:50	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:50	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:50	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:50	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:50	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38176

Lab Sample ID: 680-221296-9

Date Collected: 07/18/22 14:30

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	47100		500		ug/L		09/20/22 05:39	09/20/22 15:57	1
Iron	11700		100		ug/L		09/20/22 05:39	09/20/22 15:57	1
Magnesium	7760		500		ug/L		09/20/22 05:39	09/20/22 15:57	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:57	1
Potassium	2530		1000		ug/L		09/20/22 05:39	09/20/22 15:57	1
Sodium	18100		2000		ug/L		09/20/22 05:39	09/20/22 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:39	09/21/22 00:09	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:09	1
Arsenic	3.74		3.00		ug/L		09/20/22 05:39	09/21/22 00:09	1
Barium	147		5.00		ug/L		09/20/22 05:39	09/21/22 00:09	1
Beryllium	0.830		0.500		ug/L		09/20/22 05:39	09/21/22 00:09	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/21/22 00:09	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/21/22 00:09	1
Cobalt	1.13		0.500		ug/L		09/20/22 05:39	09/21/22 00:09	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:09	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/21/22 00:09	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:09	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/21/22 00:09	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/21/22 00:09	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/21/22 00:09	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38177

Lab Sample ID: 680-221296-10

Date Collected: 07/14/22 12:48

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	182000		500		ug/L		09/20/22 05:39	09/20/22 15:31	1
Iron	6610		100		ug/L		09/20/22 05:39	09/20/22 15:31	1
Magnesium	17700		500		ug/L		09/20/22 05:39	09/20/22 15:31	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:31	1
Potassium	10400		1000		ug/L		09/20/22 05:39	09/20/22 15:31	1
Sodium	111000		2000		ug/L		09/20/22 05:39	09/20/22 15:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	156		100		ug/L		09/20/22 05:39	09/20/22 23:39	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:39	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 23:39	1
Barium	70.2		5.00		ug/L		09/20/22 05:39	09/20/22 23:39	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:39	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:39	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:39	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:39	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:39	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:39	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:39	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:39	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:39	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:39	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38178

Lab Sample ID: 680-221296-11

Date Collected: 07/12/22 12:35

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	226000		500		ug/L		09/20/22 05:39	09/20/22 15:54	1
Iron	1550		100		ug/L		09/20/22 05:39	09/20/22 15:54	1
Magnesium	33600		500		ug/L		09/20/22 05:39	09/20/22 15:54	1
Molybdenum	28.0		10.0		ug/L		09/20/22 05:39	09/20/22 15:54	1
Potassium	12700		1000		ug/L		09/20/22 05:39	09/20/22 15:54	1
Sodium	60900		2000		ug/L		09/20/22 05:39	09/20/22 15:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:39	09/21/22 00:06	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:06	1
Arsenic	86.6		3.00		ug/L		09/20/22 05:39	09/21/22 00:06	1
Barium	41.0		5.00		ug/L		09/20/22 05:39	09/21/22 00:06	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/21/22 00:06	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/21/22 00:06	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/21/22 00:06	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/21/22 00:06	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:06	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/21/22 00:06	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:06	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/21/22 00:06	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/21/22 00:06	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/21/22 00:06	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38179

Lab Sample ID: 680-221296-12

Date Collected: 07/12/22 12:40

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	234000		500		ug/L		09/20/22 05:39	09/20/22 15:34	1
Iron	1540		100		ug/L		09/20/22 05:39	09/20/22 15:34	1
Magnesium	35200		500		ug/L		09/20/22 05:39	09/20/22 15:34	1
Molybdenum	29.4		10.0		ug/L		09/20/22 05:39	09/20/22 15:34	1
Potassium	13400		1000		ug/L		09/20/22 05:39	09/20/22 15:34	1
Sodium	64500		2000		ug/L		09/20/22 05:39	09/20/22 15:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:39	09/20/22 23:42	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:42	1
Arsenic	78.1		3.00		ug/L		09/20/22 05:39	09/20/22 23:42	1
Barium	42.3		5.00		ug/L		09/20/22 05:39	09/20/22 23:42	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:42	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:42	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:42	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:42	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:42	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:42	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:42	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:42	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:42	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:42	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38180

Lab Sample ID: 680-221296-13

Date Collected: 07/07/22 14:43

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	68700		500		ug/L		09/20/22 05:39	09/20/22 15:26	1
Iron	1110		100		ug/L		09/20/22 05:39	09/20/22 15:26	1
Magnesium	5140		500		ug/L		09/20/22 05:39	09/20/22 15:26	1
Molybdenum	179		10.0		ug/L		09/20/22 05:39	09/20/22 15:26	1
Potassium	6050		1000		ug/L		09/20/22 05:39	09/20/22 15:26	1
Sodium	25400		2000		ug/L		09/20/22 05:39	09/20/22 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	241		100		ug/L		09/20/22 05:39	09/20/22 23:23	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:23	1
Arsenic	189		3.00		ug/L		09/20/22 05:39	09/20/22 23:23	1
Barium	76.0		5.00		ug/L		09/20/22 05:39	09/20/22 23:23	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:23	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:23	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:23	1
Cobalt	2.07		0.500		ug/L		09/20/22 05:39	09/20/22 23:23	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:23	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:23	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:23	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:23	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:23	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:23	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38181

Lab Sample ID: 680-221296-14

Date Collected: 07/13/22 11:08

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	316000		500		ug/L		09/20/22 05:39	09/20/22 15:24	1
Iron	2610		100		ug/L		09/20/22 05:39	09/20/22 15:24	1
Magnesium	40800		500		ug/L		09/20/22 05:39	09/20/22 15:24	1
Molybdenum	45.6		10.0		ug/L		09/20/22 05:39	09/20/22 15:24	1
Potassium	16100		1000		ug/L		09/20/22 05:39	09/20/22 15:24	1
Sodium	40000		2000		ug/L		09/20/22 05:39	09/20/22 15:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2050		100		ug/L		09/20/22 05:39	09/20/22 23:19	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:19	1
Arsenic	112		3.00		ug/L		09/20/22 05:39	09/20/22 23:19	1
Barium	43.7		5.00		ug/L		09/20/22 05:39	09/20/22 23:19	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:19	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:19	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:19	1
Cobalt	6.02		0.500		ug/L		09/20/22 05:39	09/20/22 23:19	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:19	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:19	1
Nickel	6.35		5.00		ug/L		09/20/22 05:39	09/20/22 23:19	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:19	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:19	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:19	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38182

Lab Sample ID: 680-221296-15

Date Collected: 07/28/22 11:00

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	32400		500		ug/L		09/20/22 05:22	09/20/22 16:29	1
Iron	72000		100		ug/L		09/20/22 05:22	09/20/22 16:29	1
Magnesium	10200		500		ug/L		09/20/22 05:22	09/20/22 16:29	1
Molybdenum	71.8		10.0		ug/L		09/20/22 05:22	09/20/22 16:29	1
Potassium	4940		1000		ug/L		09/20/22 05:22	09/20/22 16:29	1
Sodium	27500		2000		ug/L		09/20/22 05:22	09/20/22 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	74400		100		ug/L		09/20/22 05:22	09/20/22 21:03	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:03	1
Arsenic	141		3.00		ug/L		09/20/22 05:22	09/20/22 21:03	1
Barium	122		5.00		ug/L		09/20/22 05:22	09/20/22 21:03	1
Beryllium	0.690		0.500		ug/L		09/20/22 05:22	09/20/22 21:03	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:03	1
Chromium	93.2	^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:03	1
Cobalt	7.46		0.500		ug/L		09/20/22 05:22	09/20/22 21:03	1
Copper	16.4		5.00		ug/L		09/20/22 05:22	09/20/22 21:03	1
Lead	62.7		2.50		ug/L		09/20/22 05:22	09/20/22 21:03	1
Nickel	26.2		5.00		ug/L		09/20/22 05:22	09/20/22 21:03	1
Selenium	3.98		2.50		ug/L		09/20/22 05:22	09/20/22 21:03	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:03	1
Zinc	60.0		20.0		ug/L		09/20/22 05:22	09/20/22 21:03	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38183

Lab Sample ID: 680-221296-16

Date Collected: 07/14/22 10:45

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	74200		5000		ug/L		09/21/22 13:44	09/21/22 18:45	1
Iron	1090		1000		ug/L		09/21/22 13:44	09/21/22 18:45	1
Magnesium	11600		5000		ug/L		09/21/22 13:44	09/21/22 18:45	1
Molybdenum	100	U	100		ug/L		09/21/22 13:44	09/21/22 18:45	1
Potassium	10000	U	10000		ug/L		09/21/22 13:44	09/21/22 18:45	1
Sodium	20000	U	20000		ug/L		09/21/22 13:44	09/21/22 18:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1660		1000		ug/L		09/20/22 10:24	09/22/22 02:15	1
Antimony	50.0	U	50.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Arsenic	30.0	U	30.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Barium	50.0	U	50.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Beryllium	5.00	U	5.00		ug/L		09/20/22 10:24	09/22/22 02:15	1
Cadmium	5.00	U	5.00		ug/L		09/20/22 10:24	09/22/22 02:15	1
Chromium	50.0	U	50.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Cobalt	5.00	U	5.00		ug/L		09/20/22 10:24	09/22/22 02:15	1
Copper	50.0	U	50.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Lead	25.0	U	25.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Nickel	50.0	U	50.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Selenium	25.0	U	25.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Thallium	10.0	U	10.0		ug/L		09/20/22 10:24	09/22/22 02:15	1
Zinc	200	U	200		ug/L		09/20/22 10:24	09/22/22 02:15	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38184

Lab Sample ID: 680-221296-17

Date Collected: 07/07/22 13:44

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	435000		500		ug/L		09/20/22 05:22	09/20/22 16:52	1
Iron	38900		100		ug/L		09/20/22 05:22	09/20/22 16:52	1
Magnesium	66000		500		ug/L		09/20/22 05:22	09/20/22 16:52	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:52	1
Potassium	24300		1000		ug/L		09/20/22 05:22	09/20/22 16:52	1
Sodium	128000		2000		ug/L		09/20/22 05:22	09/20/22 16:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:38	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:38	1
Arsenic	65.9		3.00		ug/L		09/20/22 05:22	09/20/22 21:38	1
Barium	280		5.00		ug/L		09/20/22 05:22	09/20/22 21:38	1
Beryllium	0.635		0.500		ug/L		09/20/22 05:22	09/20/22 21:38	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:38	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:38	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:38	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:38	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:38	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:38	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:38	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:38	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:38	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38185

Lab Sample ID: 680-221296-18

Date Collected: 07/13/22 12:25

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	218000		500		ug/L		09/20/22 05:39	09/20/22 15:14	1
Iron	7720		100		ug/L		09/20/22 05:39	09/20/22 15:14	1
Magnesium	10400		500		ug/L		09/20/22 05:39	09/20/22 15:14	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:14	1
Potassium	1750		1000		ug/L		09/20/22 05:39	09/20/22 15:14	1
Sodium	40300		2000		ug/L		09/20/22 05:39	09/20/22 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:39	09/20/22 23:11	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:11	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 23:11	1
Barium	107		5.00		ug/L		09/20/22 05:39	09/20/22 23:11	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:11	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:11	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:11	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:11	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:11	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:11	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:11	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:11	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:11	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:11	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38186

Lab Sample ID: 680-221296-19

Date Collected: 07/13/22 15:31

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	99000		500		ug/L		09/20/22 05:22	09/20/22 16:34	1
Iron	187		100		ug/L		09/20/22 05:22	09/20/22 16:34	1
Magnesium	7950		500		ug/L		09/20/22 05:22	09/20/22 16:34	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:34	1
Potassium	4510		1000		ug/L		09/20/22 05:22	09/20/22 16:34	1
Sodium	26200		2000		ug/L		09/20/22 05:22	09/20/22 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:11	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:11	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:22	09/20/22 21:11	1
Barium	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:11	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:11	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:11	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:11	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:11	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:11	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:11	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:11	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:11	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:11	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:11	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38187

Lab Sample ID: 680-221296-20

Date Collected: 07/11/22 10:30

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	58600		500		ug/L		09/20/22 05:22	09/20/22 16:42	1
Iron	2920		100		ug/L		09/20/22 05:22	09/20/22 16:42	1
Magnesium	2010		500		ug/L		09/20/22 05:22	09/20/22 16:42	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:42	1
Potassium	1910		1000		ug/L		09/20/22 05:22	09/20/22 16:42	1
Sodium	9720		2000		ug/L		09/20/22 05:22	09/20/22 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:30	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:30	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:22	09/20/22 21:30	1
Barium	9.68		5.00		ug/L		09/20/22 05:22	09/20/22 21:30	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:30	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:30	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:30	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:30	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:30	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:30	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:30	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:30	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:30	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:30	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38188

Lab Sample ID: 680-221296-21

Date Collected: 07/11/22 11:41

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	19400		500		ug/L		09/20/22 05:22	09/20/22 16:44	1
Iron	542		100		ug/L		09/20/22 05:22	09/20/22 16:44	1
Magnesium	1700		500		ug/L		09/20/22 05:22	09/20/22 16:44	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:44	1
Potassium	1000	U	1000		ug/L		09/20/22 05:22	09/20/22 16:44	1
Sodium	3680		2000		ug/L		09/20/22 05:22	09/20/22 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	173		100		ug/L		09/20/22 05:22	09/20/22 21:34	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:34	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:22	09/20/22 21:34	1
Barium	45.8		5.00		ug/L		09/20/22 05:22	09/20/22 21:34	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:34	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:34	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:34	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:34	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:34	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:34	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:34	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:34	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:34	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:34	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38189

Lab Sample ID: 680-221296-22

Date Collected: 07/11/22 11:46

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	20000		500		ug/L		09/20/22 05:43	09/20/22 15:59	1
Iron	573		100		ug/L		09/20/22 05:43	09/20/22 15:59	1
Magnesium	1780		500		ug/L		09/20/22 05:43	09/20/22 15:59	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:43	09/20/22 15:59	1
Potassium	1000	U	1000		ug/L		09/20/22 05:43	09/20/22 15:59	1
Sodium	3870		2000		ug/L		09/20/22 05:43	09/20/22 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	155		100		ug/L		09/20/22 05:43	09/21/22 00:21	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:43	09/21/22 00:21	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:43	09/21/22 00:21	1
Barium	39.4		5.00		ug/L		09/20/22 05:43	09/21/22 00:21	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:43	09/21/22 00:21	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:43	09/21/22 00:21	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:43	09/21/22 00:21	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:43	09/21/22 00:21	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:43	09/21/22 00:21	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:43	09/21/22 00:21	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:43	09/21/22 00:21	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:43	09/21/22 00:21	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:43	09/21/22 00:21	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:43	09/21/22 00:21	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38190

Lab Sample ID: 680-221296-23

Date Collected: 07/06/22 10:23

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	2520		500		ug/L		09/20/22 05:39	09/20/22 15:36	1
Iron	352		100		ug/L		09/20/22 05:39	09/20/22 15:36	1
Magnesium	897		500		ug/L		09/20/22 05:39	09/20/22 15:36	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:36	1
Potassium	1000	U	1000		ug/L		09/20/22 05:39	09/20/22 15:36	1
Sodium	2670		2000		ug/L		09/20/22 05:39	09/20/22 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	963		100		ug/L		09/20/22 05:39	09/20/22 23:46	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:46	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 23:46	1
Barium	38.3		5.00		ug/L		09/20/22 05:39	09/20/22 23:46	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:46	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:46	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:46	1
Cobalt	3.15		0.500		ug/L		09/20/22 05:39	09/20/22 23:46	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:46	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:46	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:46	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:46	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:46	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:46	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38191

Lab Sample ID: 680-221296-24

Date Collected: 07/12/22 10:44

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	55900		500		ug/L		09/20/22 05:39	09/20/22 15:21	1
Iron	3280		100		ug/L		09/20/22 05:39	09/20/22 15:21	1
Magnesium	2240		500		ug/L		09/20/22 05:39	09/20/22 15:21	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:21	1
Potassium	3170		1000		ug/L		09/20/22 05:39	09/20/22 15:21	1
Sodium	11500		2000		ug/L		09/20/22 05:39	09/20/22 15:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	985		100		ug/L		09/20/22 05:39	09/20/22 23:15	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:15	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 23:15	1
Barium	113		5.00		ug/L		09/20/22 05:39	09/20/22 23:15	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:15	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:15	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:15	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:15	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:15	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:15	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:15	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:15	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:15	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:15	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38192

Lab Sample ID: 680-221296-25

Date Collected: 07/12/22 14:55

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	337000		500		ug/L		09/20/22 05:39	09/20/22 15:44	1
Iron	10300		100		ug/L		09/20/22 05:39	09/20/22 15:44	1
Magnesium	9370		500		ug/L		09/20/22 05:39	09/20/22 15:44	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:44	1
Potassium	4370		1000		ug/L		09/20/22 05:39	09/20/22 15:44	1
Sodium	9600		2000		ug/L		09/20/22 05:39	09/20/22 15:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	149		100		ug/L		09/20/22 05:39	09/20/22 23:58	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:58	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 23:58	1
Barium	32.7		5.00		ug/L		09/20/22 05:39	09/20/22 23:58	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:58	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:58	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 23:58	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 23:58	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:58	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:58	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 23:58	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 23:58	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 23:58	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 23:58	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38193

Lab Sample ID: 680-221296-26

Date Collected: 07/11/22 13:38

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	23800		500		ug/L		09/20/22 05:22	09/20/22 16:32	1
Iron	2860		100		ug/L		09/20/22 05:22	09/20/22 16:32	1
Magnesium	655		500		ug/L		09/20/22 05:22	09/20/22 16:32	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:32	1
Potassium	1000	U	1000		ug/L		09/20/22 05:22	09/20/22 16:32	1
Sodium	2000	U	2000		ug/L		09/20/22 05:22	09/20/22 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2250		100		ug/L		09/20/22 05:22	09/20/22 21:07	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:07	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:22	09/20/22 21:07	1
Barium	51.6		5.00		ug/L		09/20/22 05:22	09/20/22 21:07	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:07	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:07	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:07	1
Cobalt	1.91		0.500		ug/L		09/20/22 05:22	09/20/22 21:07	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:07	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:07	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:07	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:07	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:07	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:07	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38194

Lab Sample ID: 680-221296-27

Date Collected: 07/11/22 14:41

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	17600	F1	500		ug/L		09/20/22 05:39	09/20/22 15:04	1
Calcium	14600		500		ug/L		09/28/22 09:50	09/29/22 09:40	1
Iron	477		100		ug/L		09/20/22 05:39	09/20/22 15:04	1
Iron	399		100		ug/L		09/28/22 09:50	09/29/22 09:40	1
Magnesium	500	U	500		ug/L		09/20/22 05:39	09/20/22 15:04	1
Magnesium	500	U	500		ug/L		09/28/22 09:50	09/29/22 09:40	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:04	1
Molybdenum	10.0	U	10.0		ug/L		09/28/22 09:50	09/29/22 09:40	1
Potassium	1000	U	1000		ug/L		09/20/22 05:39	09/20/22 15:04	1
Potassium	1000	U	1000		ug/L		09/28/22 09:50	09/29/22 09:40	1
Sodium	2380		2000		ug/L		09/20/22 05:39	09/20/22 15:04	1
Sodium	2010		2000		ug/L		09/28/22 09:50	09/29/22 09:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3180		100		ug/L		09/20/22 05:39	09/20/22 22:56	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 22:56	1
Arsenic	6.95		3.00		ug/L		09/20/22 05:39	09/20/22 22:56	1
Barium	32.4		5.00		ug/L		09/20/22 05:39	09/20/22 22:56	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 22:56	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 22:56	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 22:56	1
Cobalt	0.885		0.500		ug/L		09/20/22 05:39	09/20/22 22:56	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 22:56	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 22:56	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 22:56	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 22:56	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 22:56	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 22:56	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38195

Lab Sample ID: 680-221296-28

Date Collected: 07/11/22 15:35

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	71200		500		ug/L		09/20/22 05:22	09/20/22 17:04	1
Iron	2520		100		ug/L		09/20/22 05:22	09/20/22 17:04	1
Magnesium	1280		500		ug/L		09/20/22 05:22	09/20/22 17:04	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 17:04	1
Potassium	1260		1000		ug/L		09/20/22 05:22	09/20/22 17:04	1
Sodium	2700		2000		ug/L		09/20/22 05:22	09/20/22 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	131		100		ug/L		09/20/22 05:22	09/20/22 21:58	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:58	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:22	09/20/22 21:58	1
Barium	35.0		5.00		ug/L		09/20/22 05:22	09/20/22 21:58	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:58	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:58	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:58	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:58	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:58	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:58	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:58	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:58	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:58	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:58	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38196

Lab Sample ID: 680-221296-29

Date Collected: 07/11/22 15:40

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	60400		500		ug/L		09/20/22 05:22	09/20/22 16:27	1
Iron	2120		100		ug/L		09/20/22 05:22	09/20/22 16:27	1
Magnesium	1100		500		ug/L		09/20/22 05:22	09/20/22 16:27	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:27	1
Potassium	1060		1000		ug/L		09/20/22 05:22	09/20/22 16:27	1
Sodium	2310		2000		ug/L		09/20/22 05:22	09/20/22 16:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	165		100		ug/L		09/20/22 05:22	09/20/22 20:59	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 20:59	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:22	09/20/22 20:59	1
Barium	42.8		5.00		ug/L		09/20/22 05:22	09/20/22 20:59	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 20:59	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 20:59	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 20:59	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 20:59	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 20:59	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 20:59	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 20:59	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 20:59	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 20:59	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 20:59	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38197

Lab Sample ID: 680-221296-30

Date Collected: 07/12/22 13:58

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	272000		500		ug/L		09/20/22 05:22	09/20/22 16:57	1
Iron	2870		100		ug/L		09/20/22 05:22	09/20/22 16:57	1
Magnesium	25900		500		ug/L		09/20/22 05:22	09/20/22 16:57	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:57	1
Potassium	6390		1000		ug/L		09/20/22 05:22	09/20/22 16:57	1
Sodium	15600		2000		ug/L		09/20/22 05:22	09/20/22 16:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:46	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:46	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:22	09/20/22 21:46	1
Barium	39.5		5.00		ug/L		09/20/22 05:22	09/20/22 21:46	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:46	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:46	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:46	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:46	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:46	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:46	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:46	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:46	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:46	1
Zinc	22.4		20.0		ug/L		09/20/22 05:22	09/20/22 21:46	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38198

Lab Sample ID: 680-221296-31

Date Collected: 07/07/22 12:37

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	95400		500		ug/L		09/20/22 05:39	09/20/22 15:52	1
Iron	1560		100		ug/L		09/20/22 05:39	09/20/22 15:52	1
Magnesium	7170		500		ug/L		09/20/22 05:39	09/20/22 15:52	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 15:52	1
Potassium	4910		1000		ug/L		09/20/22 05:39	09/20/22 15:52	1
Sodium	21600		2000		ug/L		09/20/22 05:39	09/20/22 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	428		100		ug/L		09/20/22 05:39	09/21/22 00:02	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:02	1
Arsenic	106		3.00		ug/L		09/20/22 05:39	09/21/22 00:02	1
Barium	72.5		5.00		ug/L		09/20/22 05:39	09/21/22 00:02	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/21/22 00:02	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/21/22 00:02	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/21/22 00:02	1
Cobalt	1.45		0.500		ug/L		09/20/22 05:39	09/21/22 00:02	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:02	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/21/22 00:02	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/21/22 00:02	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/21/22 00:02	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/21/22 00:02	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/21/22 00:02	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38199

Lab Sample ID: 680-221296-32

Date Collected: 07/07/22 11:37

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	94200		500		ug/L		09/20/22 05:22	09/20/22 16:37	1
Iron	2670		100		ug/L		09/20/22 05:22	09/20/22 16:37	1
Magnesium	3430		500		ug/L		09/20/22 05:22	09/20/22 16:37	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 16:37	1
Potassium	3500		1000		ug/L		09/20/22 05:22	09/20/22 16:37	1
Sodium	9770		2000		ug/L		09/20/22 05:22	09/20/22 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:23	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:23	1
Arsenic	242		3.00		ug/L		09/20/22 05:22	09/20/22 21:23	1
Barium	60.6		5.00		ug/L		09/20/22 05:22	09/20/22 21:23	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:23	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:23	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:23	1
Cobalt	0.620		0.500		ug/L		09/20/22 05:22	09/20/22 21:23	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:23	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:23	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:23	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:23	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:23	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:23	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38200

Lab Sample ID: 680-221296-33

Date Collected: 07/14/22 11:50

Matrix: Water

Date Received: 09/16/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	131000		500		ug/L		09/20/22 05:22	09/20/22 17:02	1
Iron	448		100		ug/L		09/20/22 05:22	09/20/22 17:02	1
Magnesium	7380		500		ug/L		09/20/22 05:22	09/20/22 17:02	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:22	09/20/22 17:02	1
Potassium	4190		1000		ug/L		09/20/22 05:22	09/20/22 17:02	1
Sodium	5810		2000		ug/L		09/20/22 05:22	09/20/22 17:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	100	U	100		ug/L		09/20/22 05:22	09/20/22 21:54	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:54	1
Arsenic	3.70		3.00		ug/L		09/20/22 05:22	09/20/22 21:54	1
Barium	36.6		5.00		ug/L		09/20/22 05:22	09/20/22 21:54	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:54	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:54	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:22	09/20/22 21:54	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:22	09/20/22 21:54	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:54	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:54	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:22	09/20/22 21:54	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:22	09/20/22 21:54	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:22	09/20/22 21:54	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:22	09/20/22 21:54	1

QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 680-741164/1-A
Matrix: Water
Analysis Batch: 741353

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 741164

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	500	U	500		ug/L		09/20/22 05:03	09/20/22 16:02	1
Iron	100	U	100		ug/L		09/20/22 05:03	09/20/22 16:02	1
Magnesium	500	U	500		ug/L		09/20/22 05:03	09/20/22 16:02	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:03	09/20/22 16:02	1
Potassium	1000	U	1000		ug/L		09/20/22 05:03	09/20/22 16:02	1
Sodium	2000	U	2000		ug/L		09/20/22 05:03	09/20/22 16:02	1

Lab Sample ID: LCS 680-741164/2-A
Matrix: Water
Analysis Batch: 741353

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 741164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5000	4673		ug/L		93	80 - 120
Magnesium	5010	4559		ug/L		91	80 - 120
Molybdenum	100	94.69		ug/L		95	80 - 120
Potassium	6970	6518		ug/L		94	80 - 120
Sodium	5050	4561		ug/L		90	80 - 120

Lab Sample ID: MB 680-741168/1-A
Matrix: Water
Analysis Batch: 741362

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 741168

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	500	U	500		ug/L		09/20/22 05:39	09/20/22 14:59	1
Iron	100	U	100		ug/L		09/20/22 05:39	09/20/22 14:59	1
Magnesium	500	U	500		ug/L		09/20/22 05:39	09/20/22 14:59	1
Molybdenum	10.0	U	10.0		ug/L		09/20/22 05:39	09/20/22 14:59	1
Potassium	1000	U	1000		ug/L		09/20/22 05:39	09/20/22 14:59	1
Sodium	2000	U	2000		ug/L		09/20/22 05:39	09/20/22 14:59	1

Lab Sample ID: LCS 680-741168/2-A
Matrix: Water
Analysis Batch: 741362

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 741168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5000	4471		ug/L		89	80 - 120
Magnesium	5010	4398		ug/L		88	80 - 120
Molybdenum	100	91.51		ug/L		92	80 - 120
Potassium	6970	6275		ug/L		90	80 - 120
Sodium	5050	4387		ug/L		87	80 - 120

Lab Sample ID: 680-221296-27 MS
Matrix: Water
Analysis Batch: 741362

Client Sample ID: AF38194
Prep Type: Total Recoverable
Prep Batch: 741168

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits

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QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 680-221296-27 MS

Matrix: Water

Analysis Batch: 741362

Client Sample ID: AF38194

Prep Type: Total Recoverable

Prep Batch: 741168

Analyte	Sample	Sample	Spike	MS		Unit	D	% Rec	% Rec	
	Result	Qualifier		Result	Qualifier				Limits	
Iron	477		5000	5014		ug/L		91	75 - 125	
Magnesium	500	U	5010	4882		ug/L		88	75 - 125	
Molybdenum	10.0	U	100	92.76		ug/L		93	75 - 125	
Potassium	1000	U	6970	6946		ug/L		91	75 - 125	
Sodium	2380		5050	6698		ug/L		86	75 - 125	

Lab Sample ID: 680-221296-27 MSD

Matrix: Water

Analysis Batch: 741362

Client Sample ID: AF38194

Prep Type: Total Recoverable

Prep Batch: 741168

Analyte	Sample	Sample	Spike	MSD		Unit	D	% Rec	% Rec		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
Calcium	17600	F1	5000	20220	F1	ug/L		52	75 - 125		5	20
Iron	477		5000	4786		ug/L		86	75 - 125		5	20
Magnesium	500	U	5010	4683		ug/L		84	75 - 125		4	20
Molybdenum	10.0	U	100	89.00		ug/L		89	75 - 125		4	20
Potassium	1000	U	6970	6638		ug/L		87	75 - 125		5	20
Sodium	2380		5050	6425		ug/L		80	75 - 125		4	20

Lab Sample ID: MB 680-741508/1-A

Matrix: Water

Analysis Batch: 741586

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 741508

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Calcium	500	U	500		ug/L		09/21/22 13:44	09/21/22 18:29			1
Iron	100	U	100		ug/L		09/21/22 13:44	09/21/22 18:29			1
Magnesium	500	U	500		ug/L		09/21/22 13:44	09/21/22 18:29			1
Molybdenum	10.0	U	10.0		ug/L		09/21/22 13:44	09/21/22 18:29			1
Potassium	1000	U	1000		ug/L		09/21/22 13:44	09/21/22 18:29			1
Sodium	2000	U	2000		ug/L		09/21/22 13:44	09/21/22 18:29			1

Lab Sample ID: LCS 680-741508/2-A

Matrix: Water

Analysis Batch: 741586

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 741508

Analyte	Spike	LCS LCS		Unit	D	% Rec	% Rec	
		Added	Result				Qualifier	Limits
Calcium	5000	4999		ug/L		100	80 - 120	
Iron	5000	5032		ug/L		101	80 - 120	
Magnesium	5010	5082		ug/L		101	80 - 120	
Molybdenum	100	99.43		ug/L		99	80 - 120	
Potassium	6970	7167		ug/L		103	80 - 120	
Sodium	5050	5000		ug/L		99	80 - 120	

Lab Sample ID: MB 680-742555/1-A

Matrix: Water

Analysis Batch: 742783

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 742555

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Calcium	500	U	500		ug/L		09/28/22 09:50	09/29/22 08:50			1
Iron	100	U	100		ug/L		09/28/22 09:50	09/29/22 08:50			1
Magnesium	500	U	500		ug/L		09/28/22 09:50	09/29/22 08:50			1

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QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 680-742555/1-A
Matrix: Water
Analysis Batch: 742783

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 742555

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Molybdenum	10.0	U	10.0		ug/L		09/28/22 09:50	09/29/22 08:50	1
Potassium	1000	U	1000		ug/L		09/28/22 09:50	09/29/22 08:50	1
Sodium	2000	U	2000		ug/L		09/28/22 09:50	09/29/22 08:50	1

Lab Sample ID: LCS 680-742555/2-A
Matrix: Water
Analysis Batch: 742783

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 742555

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5000	4818		ug/L		96	80 - 120
Magnesium	5010	5028		ug/L		100	80 - 120
Molybdenum	100	91.89		ug/L		92	80 - 120
Potassium	6970	7059		ug/L		101	80 - 120
Sodium	5050	4694		ug/L		93	80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-741166/1-A
Matrix: Water
Analysis Batch: 741389

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 741166

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	100	U	100		ug/L		09/20/22 05:03	09/20/22 20:36	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:03	09/20/22 20:36	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:03	09/20/22 20:36	1
Barium	5.00	U	5.00		ug/L		09/20/22 05:03	09/20/22 20:36	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:03	09/20/22 20:36	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:03	09/20/22 20:36	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:03	09/20/22 20:36	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:03	09/20/22 20:36	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:03	09/20/22 20:36	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:03	09/20/22 20:36	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:03	09/20/22 20:36	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:03	09/20/22 20:36	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:03	09/20/22 20:36	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:03	09/20/22 20:36	1

Lab Sample ID: LCS 680-741166/2-A
Matrix: Water
Analysis Batch: 741389

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 741166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	50.0	56.11		ug/L		112	80 - 120
Arsenic	100	105.2		ug/L		105	80 - 120
Barium	100	103.7		ug/L		104	80 - 120
Beryllium	50.0	51.98		ug/L		104	80 - 120
Cadmium	50.0	56.02		ug/L		112	80 - 120
Chromium	100	113.3	^6+	ug/L		113	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: 680-221296-1

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

Lab Sample ID: LCS 680-741166/2-A
Matrix: Water
Analysis Batch: 741389

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 741166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec Limits
Cobalt	50.0	55.31		ug/L		111	80 - 120
Copper	100	120.0		ug/L		120	80 - 120
Lead	505	516.0		ug/L		102	80 - 120
Nickel	99.0	111.2		ug/L		112	80 - 120
Selenium	100	110.0		ug/L		110	80 - 120
Thallium	50.0	52.52		ug/L		105	80 - 120
Zinc	100	109.2		ug/L		109	80 - 120

Lab Sample ID: MB 680-741169/1-A
Matrix: Water
Analysis Batch: 741389

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 741169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Aluminum	100	U	100		ug/L		09/20/22 05:39	09/20/22 22:48	1
Antimony	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 22:48	1
Arsenic	3.00	U	3.00		ug/L		09/20/22 05:39	09/20/22 22:48	1
Barium	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 22:48	1
Beryllium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 22:48	1
Cadmium	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 22:48	1
Chromium	5.00	U ^6+	5.00		ug/L		09/20/22 05:39	09/20/22 22:48	1
Cobalt	0.500	U	0.500		ug/L		09/20/22 05:39	09/20/22 22:48	1
Copper	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 22:48	1
Lead	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 22:48	1
Nickel	5.00	U	5.00		ug/L		09/20/22 05:39	09/20/22 22:48	1
Selenium	2.50	U	2.50		ug/L		09/20/22 05:39	09/20/22 22:48	1
Thallium	1.00	U	1.00		ug/L		09/20/22 05:39	09/20/22 22:48	1
Zinc	20.0	U	20.0		ug/L		09/20/22 05:39	09/20/22 22:48	1

Lab Sample ID: LCS 680-741169/2-A
Matrix: Water
Analysis Batch: 741389

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 741169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec Limits
Aluminum	5000	5260		ug/L		105	80 - 120
Antimony	50.0	52.26		ug/L		105	80 - 120
Arsenic	100	96.83		ug/L		97	80 - 120
Barium	100	96.34		ug/L		96	80 - 120
Beryllium	50.0	47.57		ug/L		95	80 - 120
Cadmium	50.0	52.57		ug/L		105	80 - 120
Chromium	100	105.1	^6+	ug/L		105	80 - 120
Cobalt	50.0	52.87		ug/L		106	80 - 120
Copper	100	112.8		ug/L		113	80 - 120
Lead	505	478.5		ug/L		95	80 - 120
Nickel	99.0	105.6		ug/L		107	80 - 120
Selenium	100	103.8		ug/L		104	80 - 120
Thallium	50.0	49.34		ug/L		99	80 - 120
Zinc	100	103.1		ug/L		103	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: 680-221296-1

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

Lab Sample ID: 680-221296-27 MS

Matrix: Water

Analysis Batch: 741389

Client Sample ID: AF38194

Prep Type: Total Recoverable

Prep Batch: 741169

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Aluminum	3180		5000	7812		ug/L		93	75 - 125	
Antimony	5.00	U	50.0	49.36		ug/L		99	75 - 125	
Arsenic	6.95		100	103.4		ug/L		96	75 - 125	
Barium	32.4		100	125.1		ug/L		93	75 - 125	
Beryllium	0.500	U	50.0	44.78		ug/L		89	75 - 125	
Cadmium	0.500	U	50.0	51.08		ug/L		102	75 - 125	
Chromium	5.00	U ^6+	100	100.3	^6+	ug/L		100	75 - 125	
Cobalt	0.885		50.0	53.02		ug/L		104	75 - 125	
Copper	5.00	U	100	109.8		ug/L		110	75 - 125	
Lead	2.50	U	505	467.1		ug/L		93	75 - 125	
Nickel	5.00	U	99.0	103.4		ug/L		104	75 - 125	
Selenium	2.50	U	100	99.73		ug/L		100	75 - 125	
Thallium	1.00	U	50.0	47.74		ug/L		95	75 - 125	
Zinc	20.0	U	100	100.9		ug/L		101	75 - 125	

Lab Sample ID: 680-221296-27 MSD

Matrix: Water

Analysis Batch: 741389

Client Sample ID: AF38194

Prep Type: Total Recoverable

Prep Batch: 741169

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Aluminum	3180		5000	8042		ug/L		97	75 - 125	3	20	
Antimony	5.00	U	50.0	50.69		ug/L		101	75 - 125	3	20	
Arsenic	6.95		100	102.2		ug/L		95	75 - 125	1	20	
Barium	32.4		100	125.3		ug/L		93	75 - 125	0	20	
Beryllium	0.500	U	50.0	44.51		ug/L		88	75 - 125	1	20	
Cadmium	0.500	U	50.0	52.84		ug/L		106	75 - 125	3	20	
Chromium	5.00	U ^6+	100	101.8	^6+	ug/L		102	75 - 125	2	20	
Cobalt	0.885		50.0	52.19		ug/L		103	75 - 125	2	20	
Copper	5.00	U	100	112.1		ug/L		112	75 - 125	2	20	
Lead	2.50	U	505	474.1		ug/L		94	75 - 125	2	20	
Nickel	5.00	U	99.0	103.9		ug/L		105	75 - 125	1	20	
Selenium	2.50	U	100	98.50		ug/L		98	75 - 125	1	20	
Thallium	1.00	U	50.0	48.52		ug/L		97	75 - 125	2	20	
Zinc	20.0	U	100	101.8		ug/L		102	75 - 125	1	20	

Lab Sample ID: MB 680-741235/1-A

Matrix: Water

Analysis Batch: 741576

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 741235

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Aluminum	100	U	100		ug/L		09/20/22 10:24	09/22/22 01:29		1	
Antimony	5.00	U	5.00		ug/L		09/20/22 10:24	09/22/22 01:29		1	
Arsenic	3.00	U	3.00		ug/L		09/20/22 10:24	09/22/22 01:29		1	
Barium	5.00	U	5.00		ug/L		09/20/22 10:24	09/22/22 01:29		1	
Beryllium	0.500	U	0.500		ug/L		09/20/22 10:24	09/22/22 01:29		1	
Cadmium	0.500	U	0.500		ug/L		09/20/22 10:24	09/22/22 01:29		1	
Chromium	5.00	U	5.00		ug/L		09/20/22 10:24	09/22/22 01:29		1	
Cobalt	0.500	U	0.500		ug/L		09/20/22 10:24	09/22/22 01:29		1	
Copper	5.00	U	5.00		ug/L		09/20/22 10:24	09/22/22 01:29		1	

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QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

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

Lab Sample ID: MB 680-741235/1-A
Matrix: Water
Analysis Batch: 741576

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 741235

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	2.50	U	2.50		ug/L		09/20/22 10:24	09/22/22 01:29	1
Nickel	5.00	U	5.00		ug/L		09/20/22 10:24	09/22/22 01:29	1
Selenium	2.50	U	2.50		ug/L		09/20/22 10:24	09/22/22 01:29	1
Thallium	1.00	U	1.00		ug/L		09/20/22 10:24	09/22/22 01:29	1
Zinc	20.0	U	20.0		ug/L		09/20/22 10:24	09/22/22 01:29	1

Lab Sample ID: LCS 680-741235/2-A
Matrix: Water
Analysis Batch: 741576

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 741235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5000	5232		ug/L		105	80 - 120
Antimony	50.0	48.78		ug/L		98	80 - 120
Arsenic	100	97.45		ug/L		97	80 - 120
Barium	100	100.6		ug/L		101	80 - 120
Beryllium	50.0	49.39		ug/L		99	80 - 120
Cadmium	50.0	51.36		ug/L		103	80 - 120
Chromium	100	102.6		ug/L		103	80 - 120
Cobalt	50.0	53.39		ug/L		107	80 - 120
Copper	100	112.7		ug/L		113	80 - 120
Lead	505	493.6		ug/L		98	80 - 120
Nickel	99.0	105.8		ug/L		107	80 - 120
Selenium	100	105.2		ug/L		105	80 - 120
Thallium	50.0	50.37		ug/L		101	80 - 120
Zinc	100	107.5		ug/L		107	80 - 120

QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Metals

Prep Batch: 741164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-3	AF38170	Total Recoverable	Water	3005A	
680-221296-5	AF38172	Total Recoverable	Water	3005A	
680-221296-6	AF38173	Total Recoverable	Water	3005A	
680-221296-7	AF38174	Total Recoverable	Water	3005A	
680-221296-15	AF38182	Total Recoverable	Water	3005A	
680-221296-17	AF38184	Total Recoverable	Water	3005A	
680-221296-19	AF38186	Total Recoverable	Water	3005A	
680-221296-20	AF38187	Total Recoverable	Water	3005A	
680-221296-21	AF38188	Total Recoverable	Water	3005A	
680-221296-26	AF38193	Total Recoverable	Water	3005A	
680-221296-28	AF38195	Total Recoverable	Water	3005A	
680-221296-29	AF38196	Total Recoverable	Water	3005A	
680-221296-30	AF38197	Total Recoverable	Water	3005A	
680-221296-32	AF38199	Total Recoverable	Water	3005A	
680-221296-33	AF38200	Total Recoverable	Water	3005A	
MB 680-741164/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-741164/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 741166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-3	AF38170	Total Recoverable	Water	3005A	
680-221296-5	AF38172	Total Recoverable	Water	3005A	
680-221296-6	AF38173	Total Recoverable	Water	3005A	
680-221296-7	AF38174	Total Recoverable	Water	3005A	
680-221296-15	AF38182	Total Recoverable	Water	3005A	
680-221296-17	AF38184	Total Recoverable	Water	3005A	
680-221296-19	AF38186	Total Recoverable	Water	3005A	
680-221296-20	AF38187	Total Recoverable	Water	3005A	
680-221296-21	AF38188	Total Recoverable	Water	3005A	
680-221296-26	AF38193	Total Recoverable	Water	3005A	
680-221296-28	AF38195	Total Recoverable	Water	3005A	
680-221296-29	AF38196	Total Recoverable	Water	3005A	
680-221296-30	AF38197	Total Recoverable	Water	3005A	
680-221296-32	AF38199	Total Recoverable	Water	3005A	
680-221296-33	AF38200	Total Recoverable	Water	3005A	
MB 680-741166/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-741166/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 741168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-1	AF38168	Total Recoverable	Water	3005A	
680-221296-2	AF38169	Total Recoverable	Water	3005A	
680-221296-4	AF38171	Total Recoverable	Water	3005A	
680-221296-8	AF38175	Total Recoverable	Water	3005A	
680-221296-9	AF38176	Total Recoverable	Water	3005A	
680-221296-10	AF38177	Total Recoverable	Water	3005A	
680-221296-11	AF38178	Total Recoverable	Water	3005A	
680-221296-12	AF38179	Total Recoverable	Water	3005A	
680-221296-13	AF38180	Total Recoverable	Water	3005A	
680-221296-14	AF38181	Total Recoverable	Water	3005A	
680-221296-18	AF38185	Total Recoverable	Water	3005A	

QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Metals (Continued)

Prep Batch: 741168 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-22	AF38189	Total Recoverable	Water	3005A	
680-221296-23	AF38190	Total Recoverable	Water	3005A	
680-221296-24	AF38191	Total Recoverable	Water	3005A	
680-221296-25	AF38192	Total Recoverable	Water	3005A	
680-221296-27	AF38194	Total Recoverable	Water	3005A	
680-221296-31	AF38198	Total Recoverable	Water	3005A	
MB 680-741168/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-741168/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-221296-27 MS	AF38194	Total Recoverable	Water	3005A	
680-221296-27 MSD	AF38194	Total Recoverable	Water	3005A	

Prep Batch: 741169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-1	AF38168	Total Recoverable	Water	3005A	
680-221296-2	AF38169	Total Recoverable	Water	3005A	
680-221296-4	AF38171	Total Recoverable	Water	3005A	
680-221296-8	AF38175	Total Recoverable	Water	3005A	
680-221296-9	AF38176	Total Recoverable	Water	3005A	
680-221296-10	AF38177	Total Recoverable	Water	3005A	
680-221296-11	AF38178	Total Recoverable	Water	3005A	
680-221296-12	AF38179	Total Recoverable	Water	3005A	
680-221296-13	AF38180	Total Recoverable	Water	3005A	
680-221296-14	AF38181	Total Recoverable	Water	3005A	
680-221296-18	AF38185	Total Recoverable	Water	3005A	
680-221296-22	AF38189	Total Recoverable	Water	3005A	
680-221296-23	AF38190	Total Recoverable	Water	3005A	
680-221296-24	AF38191	Total Recoverable	Water	3005A	
680-221296-25	AF38192	Total Recoverable	Water	3005A	
680-221296-27	AF38194	Total Recoverable	Water	3005A	
680-221296-31	AF38198	Total Recoverable	Water	3005A	
MB 680-741169/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-741169/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-221296-27 MS	AF38194	Total Recoverable	Water	3005A	
680-221296-27 MSD	AF38194	Total Recoverable	Water	3005A	

Prep Batch: 741235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-16	AF38183	Total Recoverable	Water	3005A	
MB 680-741235/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-741235/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 741353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-3	AF38170	Total Recoverable	Water	6010D	741164
680-221296-5	AF38172	Total Recoverable	Water	6010D	741164
680-221296-6	AF38173	Total Recoverable	Water	6010D	741164
680-221296-7	AF38174	Total Recoverable	Water	6010D	741164
680-221296-15	AF38182	Total Recoverable	Water	6010D	741164
680-221296-17	AF38184	Total Recoverable	Water	6010D	741164
680-221296-19	AF38186	Total Recoverable	Water	6010D	741164
680-221296-20	AF38187	Total Recoverable	Water	6010D	741164

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QC Association Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Metals (Continued)

Analysis Batch: 741353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-21	AF38188	Total Recoverable	Water	6010D	741164
680-221296-26	AF38193	Total Recoverable	Water	6010D	741164
680-221296-28	AF38195	Total Recoverable	Water	6010D	741164
680-221296-29	AF38196	Total Recoverable	Water	6010D	741164
680-221296-30	AF38197	Total Recoverable	Water	6010D	741164
680-221296-32	AF38199	Total Recoverable	Water	6010D	741164
680-221296-33	AF38200	Total Recoverable	Water	6010D	741164
MB 680-741164/1-A	Method Blank	Total Recoverable	Water	6010D	741164
LCS 680-741164/2-A	Lab Control Sample	Total Recoverable	Water	6010D	741164

Analysis Batch: 741362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-1	AF38168	Total Recoverable	Water	6010D	741168
680-221296-2	AF38169	Total Recoverable	Water	6010D	741168
680-221296-4	AF38171	Total Recoverable	Water	6010D	741168
680-221296-8	AF38175	Total Recoverable	Water	6010D	741168
680-221296-9	AF38176	Total Recoverable	Water	6010D	741168
680-221296-10	AF38177	Total Recoverable	Water	6010D	741168
680-221296-11	AF38178	Total Recoverable	Water	6010D	741168
680-221296-12	AF38179	Total Recoverable	Water	6010D	741168
680-221296-13	AF38180	Total Recoverable	Water	6010D	741168
680-221296-14	AF38181	Total Recoverable	Water	6010D	741168
680-221296-18	AF38185	Total Recoverable	Water	6010D	741168
680-221296-22	AF38189	Total Recoverable	Water	6010D	741168
680-221296-23	AF38190	Total Recoverable	Water	6010D	741168
680-221296-24	AF38191	Total Recoverable	Water	6010D	741168
680-221296-25	AF38192	Total Recoverable	Water	6010D	741168
680-221296-27	AF38194	Total Recoverable	Water	6010D	741168
680-221296-31	AF38198	Total Recoverable	Water	6010D	741168
MB 680-741168/1-A	Method Blank	Total Recoverable	Water	6010D	741168
LCS 680-741168/2-A	Lab Control Sample	Total Recoverable	Water	6010D	741168
680-221296-27 MS	AF38194	Total Recoverable	Water	6010D	741168
680-221296-27 MSD	AF38194	Total Recoverable	Water	6010D	741168

Analysis Batch: 741389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-1	AF38168	Total Recoverable	Water	6020B	741169
680-221296-2	AF38169	Total Recoverable	Water	6020B	741169
680-221296-3	AF38170	Total Recoverable	Water	6020B	741166
680-221296-4	AF38171	Total Recoverable	Water	6020B	741169
680-221296-5	AF38172	Total Recoverable	Water	6020B	741166
680-221296-6	AF38173	Total Recoverable	Water	6020B	741166
680-221296-7	AF38174	Total Recoverable	Water	6020B	741166
680-221296-8	AF38175	Total Recoverable	Water	6020B	741169
680-221296-9	AF38176	Total Recoverable	Water	6020B	741169
680-221296-10	AF38177	Total Recoverable	Water	6020B	741169
680-221296-11	AF38178	Total Recoverable	Water	6020B	741169
680-221296-12	AF38179	Total Recoverable	Water	6020B	741169
680-221296-13	AF38180	Total Recoverable	Water	6020B	741169
680-221296-14	AF38181	Total Recoverable	Water	6020B	741169
680-221296-15	AF38182	Total Recoverable	Water	6020B	741166

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QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Metals (Continued)

Analysis Batch: 741389 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-17	AF38184	Total Recoverable	Water	6020B	741166
680-221296-18	AF38185	Total Recoverable	Water	6020B	741169
680-221296-19	AF38186	Total Recoverable	Water	6020B	741166
680-221296-20	AF38187	Total Recoverable	Water	6020B	741166
680-221296-21	AF38188	Total Recoverable	Water	6020B	741166
680-221296-22	AF38189	Total Recoverable	Water	6020B	741169
680-221296-23	AF38190	Total Recoverable	Water	6020B	741169
680-221296-24	AF38191	Total Recoverable	Water	6020B	741169
680-221296-25	AF38192	Total Recoverable	Water	6020B	741169
680-221296-26	AF38193	Total Recoverable	Water	6020B	741166
680-221296-27	AF38194	Total Recoverable	Water	6020B	741169
680-221296-28	AF38195	Total Recoverable	Water	6020B	741166
680-221296-29	AF38196	Total Recoverable	Water	6020B	741166
680-221296-30	AF38197	Total Recoverable	Water	6020B	741166
680-221296-31	AF38198	Total Recoverable	Water	6020B	741169
680-221296-32	AF38199	Total Recoverable	Water	6020B	741166
680-221296-33	AF38200	Total Recoverable	Water	6020B	741166
MB 680-741166/1-A	Method Blank	Total Recoverable	Water	6020B	741166
MB 680-741169/1-A	Method Blank	Total Recoverable	Water	6020B	741169
LCS 680-741166/2-A	Lab Control Sample	Total Recoverable	Water	6020B	741166
LCS 680-741169/2-A	Lab Control Sample	Total Recoverable	Water	6020B	741169
680-221296-27 MS	AF38194	Total Recoverable	Water	6020B	741169
680-221296-27 MSD	AF38194	Total Recoverable	Water	6020B	741169

Prep Batch: 741508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-16	AF38183	Total Recoverable	Water	3005A	
MB 680-741508/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-741508/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 741576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-16	AF38183	Total Recoverable	Water	6020B	741235
MB 680-741235/1-A	Method Blank	Total Recoverable	Water	6020B	741235
LCS 680-741235/2-A	Lab Control Sample	Total Recoverable	Water	6020B	741235

Analysis Batch: 741586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-4	AF38171	Total Recoverable	Water	6010D	741168
680-221296-5	AF38172	Total Recoverable	Water	6010D	741164
680-221296-6	AF38173	Total Recoverable	Water	6010D	741164
680-221296-16	AF38183	Total Recoverable	Water	6010D	741508
MB 680-741508/1-A	Method Blank	Total Recoverable	Water	6010D	741508
LCS 680-741508/2-A	Lab Control Sample	Total Recoverable	Water	6010D	741508

Prep Batch: 742555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-27	AF38194	Total Recoverable	Water	3005A	
MB 680-742555/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-742555/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

QC Association Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Metals

Analysis Batch: 742783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-221296-27	AF38194	Total Recoverable	Water	6010D	742555
MB 680-742555/1-A	Method Blank	Total Recoverable	Water	6010D	742555
LCS 680-742555/2-A	Lab Control Sample	Total Recoverable	Water	6010D	742555

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

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38168

Lab Sample ID: 680-221296-1

Date Collected: 07/06/22 14:06

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:29
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:35

Client Sample ID: AF38169

Lab Sample ID: 680-221296-2

Date Collected: 07/06/22 14:11

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:11
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:07

Client Sample ID: AF38170

Lab Sample ID: 680-221296-3

Date Collected: 07/18/22 13:12

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:24
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 20:55

Client Sample ID: AF38171

Lab Sample ID: 680-221296-4

Date Collected: 07/20/22 14:12

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:41
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		10	741586	BJB	EET SAV	09/21/22 15:27
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:54

Client Sample ID: AF38172

Lab Sample ID: 680-221296-5

Date Collected: 07/20/22 14:17

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:54
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		10	741586	BJB	EET SAV	09/21/22 15:33

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Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38172

Lab Sample ID: 680-221296-5

Date Collected: 07/20/22 14:17

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:42

Client Sample ID: AF38173

Lab Sample ID: 680-221296-6

Date Collected: 07/20/22 11:00

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:39
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		10	741586	BJB	EET SAV	09/21/22 15:30
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:26

Client Sample ID: AF38174

Lab Sample ID: 680-221296-7

Date Collected: 07/20/22 12:20

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:59
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:50

Client Sample ID: AF38175

Lab Sample ID: 680-221296-8

Date Collected: 07/20/22 13:17

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:39
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:50

Client Sample ID: AF38176

Lab Sample ID: 680-221296-9

Date Collected: 07/18/22 14:30

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:57
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/21/22 00:09

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38177

Lab Sample ID: 680-221296-10

Date Collected: 07/14/22 12:48

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:31
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:39

Client Sample ID: AF38178

Lab Sample ID: 680-221296-11

Date Collected: 07/12/22 12:35

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:54
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/21/22 00:06

Client Sample ID: AF38179

Lab Sample ID: 680-221296-12

Date Collected: 07/12/22 12:40

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:34
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:42

Client Sample ID: AF38180

Lab Sample ID: 680-221296-13

Date Collected: 07/07/22 14:43

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:26
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:23

Client Sample ID: AF38181

Lab Sample ID: 680-221296-14

Date Collected: 07/13/22 11:08

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:24
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:19

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38182

Lab Sample ID: 680-221296-15

Date Collected: 07/28/22 11:00

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:29
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:03

Client Sample ID: AF38183

Lab Sample ID: 680-221296-16

Date Collected: 07/14/22 10:45

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741508	BCB	EET SAV	09/21/22 13:44
Total Recoverable	Analysis	6010D		1	741586	BJB	EET SAV	09/21/22 18:45
Total Recoverable	Prep	3005A			741235	RR	EET SAV	09/20/22 10:24
Total Recoverable	Analysis	6020B		1	741576	BWR	EET SAV	09/22/22 02:15

Client Sample ID: AF38184

Lab Sample ID: 680-221296-17

Date Collected: 07/07/22 13:44

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:52
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:38

Client Sample ID: AF38185

Lab Sample ID: 680-221296-18

Date Collected: 07/13/22 12:25

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:14
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:11

Client Sample ID: AF38186

Lab Sample ID: 680-221296-19

Date Collected: 07/13/22 15:31

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:34
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:11

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38187

Lab Sample ID: 680-221296-20

Date Collected: 07/11/22 10:30

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:42
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:30

Client Sample ID: AF38188

Lab Sample ID: 680-221296-21

Date Collected: 07/11/22 11:41

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:44
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:34

Client Sample ID: AF38189

Lab Sample ID: 680-221296-22

Date Collected: 07/11/22 11:46

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:43
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:59
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:43
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/21/22 00:21

Client Sample ID: AF38190

Lab Sample ID: 680-221296-23

Date Collected: 07/06/22 10:23

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:36
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:46

Client Sample ID: AF38191

Lab Sample ID: 680-221296-24

Date Collected: 07/12/22 10:44

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:21
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:15

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38192

Lab Sample ID: 680-221296-25

Date Collected: 07/12/22 14:55

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:44
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 23:58

Client Sample ID: AF38193

Lab Sample ID: 680-221296-26

Date Collected: 07/11/22 13:38

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:32
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:07

Client Sample ID: AF38194

Lab Sample ID: 680-221296-27

Date Collected: 07/11/22 14:41

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:04
Total Recoverable	Prep	3005A			742555	RR	EET SAV	09/28/22 09:50
Total Recoverable	Analysis	6010D		1	742783	BJB	EET SAV	09/29/22 09:40
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 22:56

Client Sample ID: AF38195

Lab Sample ID: 680-221296-28

Date Collected: 07/11/22 15:35

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 17:04
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:58

Client Sample ID: AF38196

Lab Sample ID: 680-221296-29

Date Collected: 07/11/22 15:40

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:27
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 20:59

Eurofins Savannah

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-221296-1

Client Sample ID: AF38197

Lab Sample ID: 680-221296-30

Date Collected: 07/12/22 13:58

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:57
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:46

Client Sample ID: AF38198

Lab Sample ID: 680-221296-31

Date Collected: 07/07/22 12:37

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741168	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6010D		1	741362	BCB	EET SAV	09/20/22 15:52
Total Recoverable	Prep	3005A			741169	RR	EET SAV	09/20/22 05:39
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/21/22 00:02

Client Sample ID: AF38199

Lab Sample ID: 680-221296-32

Date Collected: 07/07/22 11:37

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 16:37
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:23

Client Sample ID: AF38200

Lab Sample ID: 680-221296-33

Date Collected: 07/14/22 11:50

Matrix: Water

Date Received: 09/16/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			741164	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6010D		1	741353	BCB	EET SAV	09/20/22 17:02
Total Recoverable	Prep	3005A			741166	RR	EET SAV	09/20/22 05:22
Total Recoverable	Analysis	6020B		1	741389	BWR	EET SAV	09/20/22 21:54

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

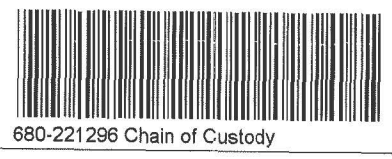
Chain of Custody



Customer Email/Report Recipient: LCWILLIA@santecooper.com Date Results Needed by: Project/Task/Unit #: 125715 / JMO2.09.G01. / 3650 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 BELOW
AF38168	WAP-12	7/6/22	1406	DEW BM	1	P	G	GW	2	USE APPROPRIATE	X
69	12 DUP		1411							WEIGHED TO MEET RLS	
70	13	7/18	1312							-SEE SHEET FOR RLS	
71	14	7/20	1412	DEW DJ							
72	14 DUP	7/20	1417								
73	14A	7/20	1100								
74	14B		1220								
75	14C		1317								
76	WAP-15	7/18	1430								
77	WAP-16	7/14	1248	DEW BM							



Relinquished by:	Employee#	Date	Time	Received by:	Employee#	Date	Time
<i>SJBrown</i>	35594	9/15/22	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 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 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 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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil <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 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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y 9/16/22 1030
24.1/24.0

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	METALS BELOW
AF38178	WAP 17	7/12	1235	DEW BM	1	P	G	GW	2	EITHER USE METHOD TO MEET RLS	X
79	L 17 DUP	L	1240	L							
80	WAP-18	7/7	1443	DEW DJ						-SEE SHEET FOR RLS	
81	L 19	7/13	1108	DEW BM			L				
82	WAP-20	7/28	1100	DEW			C				
83	WAP-21	7/14	1045	DEW BM			G				
84	WAP-22	7/7	1344	DEW DJ							
85	L 23	7/13	1225	DEW BM							
86	L 24	L	1531	L							
87	WAP-25	7/11	1030	DEW BM							

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>Sj Brown</i>	35594	9/15/22	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 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	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard Gypsum(all below) <input type="checkbox"/> AlM <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> AS <input type="checkbox"/> TSS	Oil 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"/> TX <input type="checkbox"/> GOFER
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of 9/16/22 1030
24.1/24.0

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 METRES BELOW
AF38188	WAP-26	7/11	1141	LEW DM	1	B	G	GW	2	USE APPROPRIATE METHOD TO MEET RLS.	X
89	WAP-26 DUP	↓	1146								
90	WBW-1	7/6	1023							SEE SHEET FOR RLS	
91	WBW-A1-1	7/12	1044								
92	WLF A1-1	7/12	1455								
93	WLF-A1-2	7/11	1338								
94	↓ 3	↓	1441								
95	↓ 4	↓	1535								
96	↓ 4 DUP	↓	1540								
97	WLF-A1-5	7/12	1358								

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

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

<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	Nutrients <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	MISC. <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 Collform <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> AS <input type="checkbox"/> TSS	Oil <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 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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g 9/16/22 1030
24 1/24.0

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 GØ1.1 / 36500 Rerun request for any flagged QC Yes No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix (see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	METALS SEE BELOW			
AF38198	WLF-A2-2	7/7	1237	DEW DJ	1	P	G	GW	2	USE APPROPRIATE METHOD TO MEET RLS	X			
99	WLF-A2-1	↓	1137	↓	↓	↓	↓	↓	↓		↓			
200	↓ 6	7/14	1150	DEW BM	↓	↓	↓	↓	↓	-SEE SHEET FOR RLS.	↓			

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>		9/15/22	1500				
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time

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

<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			Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As <input type="checkbox"/> TSS	Oil Trans. Oil Qual. %Moisture Color Acidity Dielectric Strength IFT Dissolved Gases Used Oil Flashpoint Metals in oil (As, Cd, Cr, Ni, Pb, Hg) IX GOFER
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g 9/16/22
1030
29.1/24.0
9/30/2022

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	---

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-221296-1

Login Number: 221296

List Number: 1

Creator: Johnson, Corey M

List Source: Eurofins Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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/JM02.09.G01.1/36500

Job ID: 680-221296-1

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.



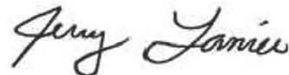
ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-223949-1
Client Project/Site: 125915/JM02.09.G011/36500

For:
South Carolina Public Service Authority
Santee Cooper
PO BOX 2946101
Moncks Corner, South Carolina 29461-2901

Attn: Linda Williams



Authorized for release by:
10/28/2022 4:35:45 PM

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

LINKS

Review your project
results through



Have a Question?



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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/JM02.09.G011/36500

Job ID: 680-223949-1

Job ID: 680-223949-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative
680-223949-1

Receipt

The samples were received on 10/25/2022 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 19.2°C

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/JM02.09.G011/36500

Job ID: 680-223949-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-223949-1	AF47330	Water	10/20/22 10:47	10/25/22 10:30
680-223949-2	AF47329	Water	10/20/22 12:20	10/25/22 10:30
680-223949-3	AF47327	Water	10/20/22 13:18	10/25/22 10:30
680-223949-4	AF47331	Water	10/20/22 15:39	10/25/22 10:30
680-223949-5	AF47328	Water	10/20/22 13:23	10/25/22 10:30
680-223949-6	AF47323	Water	10/21/22 12:19	10/25/22 10:30
680-223949-7	AF47334	Water	10/21/22 12:24	10/25/22 10:30
680-223949-8	AF47332	Water	10/21/22 10:47	10/25/22 10:30

- 1
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Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SAV
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/JM02.09.G011/36500

Job ID: 680-223949-1

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.
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.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47330

Lab Sample ID: 680-223949-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	270000		500		ug/L	1		6010D	Total Recoverable
Iron	14600		100		ug/L	1		6010D	Total Recoverable
Arsenic	30.6		3.00		ug/L	1		6020B	Total Recoverable
Barium	135		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47329

Lab Sample ID: 680-223949-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	159000		500		ug/L	1		6010D	Total Recoverable
Iron	5340		100		ug/L	1		6010D	Total Recoverable
Arsenic	225		3.00		ug/L	1		6020B	Total Recoverable
Barium	79.1		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47327

Lab Sample ID: 680-223949-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	97100		500		ug/L	1		6010D	Total Recoverable
Iron	69900		100		ug/L	1		6010D	Total Recoverable
Arsenic	86.0		3.00		ug/L	1		6020B	Total Recoverable
Barium	108		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	1.53		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47331

Lab Sample ID: 680-223949-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	112000		500		ug/L	1		6010D	Total Recoverable
Iron	3160		100		ug/L	1		6010D	Total Recoverable
Arsenic	65.7		3.00		ug/L	1		6020B	Total Recoverable
Barium	82.7		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	5.03		0.500		ug/L	1		6020B	Total Recoverable
Nickel	5.56		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47328

Lab Sample ID: 680-223949-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	121000		500		ug/L	1		6010D	Total Recoverable
Iron	3490		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.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47328 (Continued)

Lab Sample ID: 680-223949-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	69.5		3.00		ug/L	1		6020B	Total Recoverable
Barium	91.8		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	5.72		0.500		ug/L	1		6020B	Total Recoverable
Nickel	6.32		5.00		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47323

Lab Sample ID: 680-223949-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	663000		500		ug/L	1		6010D	Total Recoverable
Iron	39100		100		ug/L	1		6010D	Total Recoverable
Barium	50.6		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	7.08		0.500		ug/L	1		6020B	Total Recoverable
Selenium	3.68		2.50		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47334

Lab Sample ID: 680-223949-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	616000		500		ug/L	1		6010D	Total Recoverable
Iron	36500		100		ug/L	1		6010D	Total Recoverable
Arsenic	3.41		3.00		ug/L	1		6020B	Total Recoverable
Barium	46.7		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	6.83		0.500		ug/L	1		6020B	Total Recoverable
Selenium	3.50		2.50		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF47332

Lab Sample ID: 680-223949-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	89300		500		ug/L	1		6010D	Total Recoverable
Iron	81800		100		ug/L	1		6010D	Total Recoverable
Barium	257		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	1.27		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	19.7		0.500		ug/L	1		6020B	Total Recoverable
Lead	3.55		2.50		ug/L	1		6020B	Total Recoverable
Nickel	7.63		5.00		ug/L	1		6020B	Total Recoverable
Selenium	4.48		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.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47332 (Continued)

Lab Sample ID: 680-223949-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	24.8		20.0		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.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47330

Lab Sample ID: 680-223949-1

Date Collected: 10/20/22 10:47

Matrix: Water

Date Received: 10/25/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	270000		500		ug/L		10/26/22 10:40	10/27/22 15:49	1
Iron	14600		100		ug/L		10/26/22 10:40	10/27/22 15:49	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		10/26/22 10:40	10/27/22 14:30	1
Arsenic	30.6		3.00		ug/L		10/26/22 10:40	10/27/22 14:30	1
Barium	135		5.00		ug/L		10/26/22 10:40	10/27/22 14:30	1
Beryllium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:30	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:30	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:30	1
Cobalt	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:30	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:30	1
Lead	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:30	1
Nickel	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:30	1
Selenium	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:30	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:40	10/27/22 14:30	1
Zinc	20.0	U	20.0		ug/L		10/26/22 10:40	10/27/22 14:30	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47329

Lab Sample ID: 680-223949-2

Date Collected: 10/20/22 12:20

Matrix: Water

Date Received: 10/25/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	159000		500		ug/L		10/26/22 10:40	10/27/22 15:52	1
Iron	5340		100		ug/L		10/26/22 10:40	10/27/22 15:52	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		10/26/22 10:40	10/27/22 14:33	1
Arsenic	225		3.00		ug/L		10/26/22 10:40	10/27/22 14:33	1
Barium	79.1		5.00		ug/L		10/26/22 10:40	10/27/22 14:33	1
Beryllium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:33	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:33	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:33	1
Cobalt	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:33	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:33	1
Lead	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:33	1
Nickel	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:33	1
Selenium	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:33	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:40	10/27/22 14:33	1
Zinc	20.0	U	20.0		ug/L		10/26/22 10:40	10/27/22 14:33	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47327

Lab Sample ID: 680-223949-3

Date Collected: 10/20/22 13:18

Matrix: Water

Date Received: 10/25/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	97100		500		ug/L		10/26/22 10:40	10/27/22 15:55	1
Iron	69900		100		ug/L		10/26/22 10:40	10/27/22 15:55	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		10/26/22 10:40	10/27/22 14:36	1
Arsenic	86.0		3.00		ug/L		10/26/22 10:40	10/27/22 14:36	1
Barium	108		5.00		ug/L		10/26/22 10:40	10/27/22 14:36	1
Beryllium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:36	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:36	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:36	1
Cobalt	1.53		0.500		ug/L		10/26/22 10:40	10/27/22 14:36	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:36	1
Lead	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:36	1
Nickel	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:36	1
Selenium	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:36	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:40	10/27/22 14:36	1
Zinc	20.0	U	20.0		ug/L		10/26/22 10:40	10/27/22 14:36	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47331

Lab Sample ID: 680-223949-4

Date Collected: 10/20/22 15:39

Matrix: Water

Date Received: 10/25/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	112000		500		ug/L		10/26/22 10:40	10/27/22 15:58	1
Iron	3160		100		ug/L		10/26/22 10:40	10/27/22 15:58	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		10/26/22 10:40	10/27/22 14:44	1
Arsenic	65.7		3.00		ug/L		10/26/22 10:40	10/27/22 14:44	1
Barium	82.7		5.00		ug/L		10/26/22 10:40	10/27/22 14:44	1
Beryllium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:44	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:44	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:44	1
Cobalt	5.03		0.500		ug/L		10/26/22 10:40	10/27/22 14:44	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:44	1
Lead	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:44	1
Nickel	5.56		5.00		ug/L		10/26/22 10:40	10/27/22 14:44	1
Selenium	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:44	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:40	10/27/22 14:44	1
Zinc	20.0	U	20.0		ug/L		10/26/22 10:40	10/27/22 14:44	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47328

Lab Sample ID: 680-223949-5

Date Collected: 10/20/22 13:23

Matrix: Water

Date Received: 10/25/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	121000		500		ug/L		10/26/22 10:40	10/27/22 16:07	1
Iron	3490		100		ug/L		10/26/22 10:40	10/27/22 16:07	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		10/26/22 10:40	10/27/22 14:47	1
Arsenic	69.5		3.00		ug/L		10/26/22 10:40	10/27/22 14:47	1
Barium	91.8		5.00		ug/L		10/26/22 10:40	10/27/22 14:47	1
Beryllium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:47	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:47	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:47	1
Cobalt	5.72		0.500		ug/L		10/26/22 10:40	10/27/22 14:47	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:47	1
Lead	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:47	1
Nickel	6.32		5.00		ug/L		10/26/22 10:40	10/27/22 14:47	1
Selenium	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:47	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:40	10/27/22 14:47	1
Zinc	20.0	U	20.0		ug/L		10/26/22 10:40	10/27/22 14:47	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47323

Lab Sample ID: 680-223949-6

Date Collected: 10/21/22 12:19

Matrix: Water

Date Received: 10/25/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	663000		500		ug/L		10/26/22 10:40	10/27/22 16:10	1
Iron	39100		100		ug/L		10/26/22 10:40	10/27/22 16:10	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		10/26/22 10:40	10/27/22 14:49	1
Arsenic	3.00	U	3.00		ug/L		10/26/22 10:40	10/27/22 14:49	1
Barium	50.6		5.00		ug/L		10/26/22 10:40	10/27/22 14:49	1
Beryllium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:49	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:49	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:49	1
Cobalt	7.08		0.500		ug/L		10/26/22 10:40	10/27/22 14:49	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:49	1
Lead	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:49	1
Nickel	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:49	1
Selenium	3.68		2.50		ug/L		10/26/22 10:40	10/27/22 14:49	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:40	10/27/22 14:49	1
Zinc	20.0	U	20.0		ug/L		10/26/22 10:40	10/27/22 14:49	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47334

Lab Sample ID: 680-223949-7

Date Collected: 10/21/22 12:24

Matrix: Water

Date Received: 10/25/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	616000		500		ug/L		10/26/22 10:40	10/27/22 16:13	1
Iron	36500		100		ug/L		10/26/22 10:40	10/27/22 16:13	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		10/26/22 10:40	10/27/22 14:52	1
Arsenic	3.41		3.00		ug/L		10/26/22 10:40	10/27/22 14:52	1
Barium	46.7		5.00		ug/L		10/26/22 10:40	10/27/22 14:52	1
Beryllium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:52	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:52	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:52	1
Cobalt	6.83		0.500		ug/L		10/26/22 10:40	10/27/22 14:52	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:52	1
Lead	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:52	1
Nickel	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:52	1
Selenium	3.50		2.50		ug/L		10/26/22 10:40	10/27/22 14:52	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:40	10/27/22 14:52	1
Zinc	20.0	U	20.0		ug/L		10/26/22 10:40	10/27/22 14:52	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47332

Lab Sample ID: 680-223949-8

Date Collected: 10/21/22 10:47

Matrix: Water

Date Received: 10/25/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	89300		500		ug/L		10/26/22 10:41	10/27/22 16:16	1
Iron	81800		100		ug/L		10/26/22 10:41	10/27/22 16:16	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		10/26/22 10:41	10/27/22 14:55	1
Arsenic	3.00	U	3.00		ug/L		10/26/22 10:41	10/27/22 14:55	1
Barium	257		5.00		ug/L		10/26/22 10:41	10/27/22 14:55	1
Beryllium	1.27		0.500		ug/L		10/26/22 10:41	10/27/22 14:55	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:41	10/27/22 14:55	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:41	10/27/22 14:55	1
Cobalt	19.7		0.500		ug/L		10/26/22 10:41	10/27/22 14:55	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:41	10/27/22 14:55	1
Lead	3.55		2.50		ug/L		10/26/22 10:41	10/27/22 14:55	1
Nickel	7.63		5.00		ug/L		10/26/22 10:41	10/27/22 14:55	1
Selenium	4.48		2.50		ug/L		10/26/22 10:41	10/27/22 14:55	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:41	10/27/22 14:55	1
Zinc	24.8		20.0		ug/L		10/26/22 10:41	10/27/22 14:55	1

QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 680-747083/1-A
 Matrix: Water
 Analysis Batch: 747484

Client Sample ID: Method Blank
 Prep Type: Total Recoverable
 Prep Batch: 747083

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	500	U	500		ug/L		10/26/22 10:40	10/27/22 15:34	1
Iron	100	U	100		ug/L		10/26/22 10:40	10/27/22 15:34	1

Lab Sample ID: LCS 680-747083/2-A
 Matrix: Water
 Analysis Batch: 747484

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 747083

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5000	5018		ug/L		100	80 - 120

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-747087/1-A
 Matrix: Water
 Analysis Batch: 747535

Client Sample ID: Method Blank
 Prep Type: Total Recoverable
 Prep Batch: 747087

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:11	1
Arsenic	3.00	U	3.00		ug/L		10/26/22 10:40	10/27/22 14:11	1
Barium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:11	1
Beryllium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:11	1
Cadmium	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:11	1
Chromium	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:11	1
Cobalt	0.500	U	0.500		ug/L		10/26/22 10:40	10/27/22 14:11	1
Copper	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:11	1
Lead	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:11	1
Nickel	5.00	U	5.00		ug/L		10/26/22 10:40	10/27/22 14:11	1
Selenium	2.50	U	2.50		ug/L		10/26/22 10:40	10/27/22 14:11	1
Thallium	1.00	U	1.00		ug/L		10/26/22 10:40	10/27/22 14:11	1
Zinc	20.0	U	20.0		ug/L		10/26/22 10:40	10/27/22 14:11	1

Lab Sample ID: LCS 680-747087/2-A
 Matrix: Water
 Analysis Batch: 747535

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 747087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	111.0		ug/L		111	80 - 120
Barium	100	105.1		ug/L		105	80 - 120
Beryllium	50.0	59.77		ug/L		120	80 - 120
Cadmium	50.0	55.16		ug/L		110	80 - 120
Chromium	100	110.2		ug/L		110	80 - 120
Cobalt	50.0	54.56		ug/L		109	80 - 120
Copper	100	113.9		ug/L		114	80 - 120
Lead	505	546.7		ug/L		108	80 - 120
Nickel	99.0	119.0		ug/L		120	80 - 120
Selenium	100	110.4		ug/L		110	80 - 120
Thallium	50.0	52.93		ug/L		106	80 - 120

QC Sample Results

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

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

Lab Sample ID: LCS 680-747087/2-A
Matrix: Water
Analysis Batch: 747535

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 747087

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	100	113.9		ug/L		114	80 - 120

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QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Metals

Prep Batch: 747083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-223949-1	AF47330	Total Recoverable	Water	3005A	
680-223949-2	AF47329	Total Recoverable	Water	3005A	
680-223949-3	AF47327	Total Recoverable	Water	3005A	
680-223949-4	AF47331	Total Recoverable	Water	3005A	
680-223949-5	AF47328	Total Recoverable	Water	3005A	
680-223949-6	AF47323	Total Recoverable	Water	3005A	
680-223949-7	AF47334	Total Recoverable	Water	3005A	
680-223949-8	AF47332	Total Recoverable	Water	3005A	
MB 680-747083/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-747083/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 747087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-223949-1	AF47330	Total Recoverable	Water	3005A	
680-223949-2	AF47329	Total Recoverable	Water	3005A	
680-223949-3	AF47327	Total Recoverable	Water	3005A	
680-223949-4	AF47331	Total Recoverable	Water	3005A	
680-223949-5	AF47328	Total Recoverable	Water	3005A	
680-223949-6	AF47323	Total Recoverable	Water	3005A	
680-223949-7	AF47334	Total Recoverable	Water	3005A	
680-223949-8	AF47332	Total Recoverable	Water	3005A	
MB 680-747087/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-747087/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 747484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-223949-1	AF47330	Total Recoverable	Water	6010D	747083
680-223949-2	AF47329	Total Recoverable	Water	6010D	747083
680-223949-3	AF47327	Total Recoverable	Water	6010D	747083
680-223949-4	AF47331	Total Recoverable	Water	6010D	747083
680-223949-5	AF47328	Total Recoverable	Water	6010D	747083
680-223949-6	AF47323	Total Recoverable	Water	6010D	747083
680-223949-7	AF47334	Total Recoverable	Water	6010D	747083
680-223949-8	AF47332	Total Recoverable	Water	6010D	747083
MB 680-747083/1-A	Method Blank	Total Recoverable	Water	6010D	747083
LCS 680-747083/2-A	Lab Control Sample	Total Recoverable	Water	6010D	747083

Analysis Batch: 747535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-223949-1	AF47330	Total Recoverable	Water	6020B	747087
680-223949-2	AF47329	Total Recoverable	Water	6020B	747087
680-223949-3	AF47327	Total Recoverable	Water	6020B	747087
680-223949-4	AF47331	Total Recoverable	Water	6020B	747087
680-223949-5	AF47328	Total Recoverable	Water	6020B	747087
680-223949-6	AF47323	Total Recoverable	Water	6020B	747087
680-223949-7	AF47334	Total Recoverable	Water	6020B	747087
680-223949-8	AF47332	Total Recoverable	Water	6020B	747087
MB 680-747087/1-A	Method Blank	Total Recoverable	Water	6020B	747087
LCS 680-747087/2-A	Lab Control Sample	Total Recoverable	Water	6020B	747087

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47330

Lab Sample ID: 680-223949-1

Date Collected: 10/20/22 10:47

Matrix: Water

Date Received: 10/25/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747083	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6010D		1	747484	BJB	EET SAV	10/27/22 15:49
Total Recoverable	Prep	3005A			747087	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6020B		1	747535	BWR	EET SAV	10/27/22 14:30

Client Sample ID: AF47329

Lab Sample ID: 680-223949-2

Date Collected: 10/20/22 12:20

Matrix: Water

Date Received: 10/25/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747083	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6010D		1	747484	BJB	EET SAV	10/27/22 15:52
Total Recoverable	Prep	3005A			747087	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6020B		1	747535	BWR	EET SAV	10/27/22 14:33

Client Sample ID: AF47327

Lab Sample ID: 680-223949-3

Date Collected: 10/20/22 13:18

Matrix: Water

Date Received: 10/25/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747083	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6010D		1	747484	BJB	EET SAV	10/27/22 15:55
Total Recoverable	Prep	3005A			747087	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6020B		1	747535	BWR	EET SAV	10/27/22 14:36

Client Sample ID: AF47331

Lab Sample ID: 680-223949-4

Date Collected: 10/20/22 15:39

Matrix: Water

Date Received: 10/25/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747083	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6010D		1	747484	BJB	EET SAV	10/27/22 15:58
Total Recoverable	Prep	3005A			747087	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6020B		1	747535	BWR	EET SAV	10/27/22 14:44

Client Sample ID: AF47328

Lab Sample ID: 680-223949-5

Date Collected: 10/20/22 13:23

Matrix: Water

Date Received: 10/25/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747083	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6010D		1	747484	BJB	EET SAV	10/27/22 16:07
Total Recoverable	Prep	3005A			747087	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6020B		1	747535	BWR	EET SAV	10/27/22 14:47

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.09.G011/36500

Job ID: 680-223949-1

Client Sample ID: AF47323

Lab Sample ID: 680-223949-6

Date Collected: 10/21/22 12:19

Matrix: Water

Date Received: 10/25/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747083	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6010D		1	747484	BJB	EET SAV	10/27/22 16:10
Total Recoverable	Prep	3005A			747087	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6020B		1	747535	BWR	EET SAV	10/27/22 14:49

Client Sample ID: AF47334

Lab Sample ID: 680-223949-7

Date Collected: 10/21/22 12:24

Matrix: Water

Date Received: 10/25/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747083	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6010D		1	747484	BJB	EET SAV	10/27/22 16:13
Total Recoverable	Prep	3005A			747087	RR	EET SAV	10/26/22 10:40
Total Recoverable	Analysis	6020B		1	747535	BWR	EET SAV	10/27/22 14:52

Client Sample ID: AF47332

Lab Sample ID: 680-223949-8

Date Collected: 10/21/22 10:47

Matrix: Water

Date Received: 10/25/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			747083	RR	EET SAV	10/26/22 10:41
Total Recoverable	Analysis	6010D		1	747484	BJB	EET SAV	10/27/22 16:16
Total Recoverable	Prep	3005A			747087	RR	EET SAV	10/26/22 10:41
Total Recoverable	Analysis	6020B		1	747535	BWR	EET SAV	10/27/22 14:55

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



Chain of Custody

Customer Email/Report Recipient: LINDA.WILLIAMS@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
AF47330	WAP-22	10/20/22	1047	WJK ML	1	P	G	GW	2	6010- Ca, Fe	X
29	WLF-A2-2		1220							6020- Sb, As, Ba, Be, Cd,	
27	WLF-A2-1		1318							Cr, Co, Cu, Pb, Ni,	
31	WAP-27		1539							Se, Tl, Zn	
28	WLF-A2-1 DUP		1323								
33	WAP-29	10/21/22	1219	WJK MG						* PLEASE SEE SHEET	
34	WAP-29 DUP		1224							FOR RLS FOR SELECTED METALS.	
32	WAP-28		1047								

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35594	10/24/22	1500	<i>WJK</i>	6	10/25	10:40

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 checked="" 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 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 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 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	Nutrients <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"/> C1 <input type="checkbox"/> NO2 <input type="checkbox"/> Br <input type="checkbox"/> NO3 <input type="checkbox"/> SO4	MISC. <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	Gypsum <input type="checkbox"/> Wallboard Gypsum(all below) <input type="checkbox"/> AIM <input type="checkbox"/> Sulfur <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	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As	Oil Trans. Oil Qual. <input type="checkbox"/> %Moisture <input type="checkbox"/> Color <input type="checkbox"/> Acidity <input type="checkbox"/> Dielectric Strength <input type="checkbox"/> IFI <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
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19-2/19-2



680-223949 Chain of Custody

Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water
 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	---

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-223949-1

Login Number: 223949

List Number: 1

Creator: Padayao, Abigail

List Source: Eurofins Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (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.G011/36500

Job ID: 680-223949-1

Laboratory: Eurofins Savannah

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

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

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

ANALYTICAL REPORT

PREPARED FOR

Attn: Linda Williams
South Carolina Public Service Authority
Santee Cooper
PO BOX 2946101
Moncks Corner, South Carolina 29461-2901

Generated 12/22/2022 7:23:03 PM

JOB DESCRIPTION

125915/JM02.08.G01.1/36500

JOB NUMBER

680-227330-1

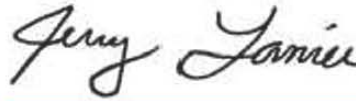
Eurofins Savannah

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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

Authorization



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



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Case Narrative

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Job ID: 680-227330-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative
680-227330-1

Receipt

The samples were received on 12/9/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 15.1°C

Metals

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

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Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-227330-1	AF50607	Water	12/06/22 10:22	12/09/22 10:00
680-227330-2	AF50606	Water	12/06/22 11:34	12/09/22 10:00
680-227330-3	AF50605	Water	12/06/22 13:25	12/09/22 10:00
680-227330-4	AF50604	Water	12/06/22 14:34	12/09/22 10:00
680-227330-5	AF50602	Water	12/07/22 10:07	12/09/22 10:00
680-227330-6	AF50603	Water	12/07/22 10:12	12/09/22 10:00
680-227330-7	AF50608	Water	12/07/22 13:42	12/09/22 10:00
680-227330-8	AF50609	Water	12/07/22 13:47	12/09/22 10:00
680-227330-9	AF50610	Water	12/07/22 15:03	12/09/22 10:00

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Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

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

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858



Definitions/Glossary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Qualifiers

Metals	
Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50607

Lab Sample ID: 680-227330-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	673000		500		ug/L	1		6010D	Total Recoverable
Iron	40600		100		ug/L	1		6010D	Total Recoverable
Barium	45.6		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	7.32		0.500		ug/L	1		6020B	Total Recoverable
Selenium	3.58		2.50		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50606

Lab Sample ID: 680-227330-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	81700		500		ug/L	1		6010D	Total Recoverable
Iron	88800		100		ug/L	1		6010D	Total Recoverable
Barium	273		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	1.99		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	21.1		0.500		ug/L	1		6020B	Total Recoverable
Lead	3.70		2.50		ug/L	1		6020B	Total Recoverable
Nickel	8.37		5.00		ug/L	1		6020B	Total Recoverable
Selenium	4.99		2.50		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50605

Lab Sample ID: 680-227330-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	97300		500		ug/L	1		6010D	Total Recoverable
Iron	83400		100		ug/L	1		6010D	Total Recoverable
Arsenic	96.8		3.00		ug/L	1		6020B	Total Recoverable
Barium	122		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	0.820		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50604

Lab Sample ID: 680-227330-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	184000		500		ug/L	1		6010D	Total Recoverable
Iron	5760		100		ug/L	1		6010D	Total Recoverable
Arsenic	186		3.00		ug/L	1		6020B	Total Recoverable
Barium	84.5		5.00		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Detection Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50602

Lab Sample ID: 680-227330-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	108000		500		ug/L	1		6010D	Total Recoverable
Iron	1770		100		ug/L	1		6010D	Total Recoverable
Arsenic	62.1		3.00		ug/L	1		6020B	Total Recoverable
Barium	62.1		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	2.03		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50603

Lab Sample ID: 680-227330-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	106000		500		ug/L	1		6010D	Total Recoverable
Iron	1670		100		ug/L	1		6010D	Total Recoverable
Arsenic	69.0		3.00		ug/L	1		6020B	Total Recoverable
Barium	67.5		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	2.17		0.500		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50608

Lab Sample ID: 680-227330-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	303000		500		ug/L	1		6010D	Total Recoverable
Iron	112000		100		ug/L	1		6010D	Total Recoverable
Arsenic	6.11		3.00		ug/L	1		6020B	Total Recoverable
Barium	24.8		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	11.6		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	2.95		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	75.2		0.500		ug/L	1		6020B	Total Recoverable
Lead	47.3		2.50		ug/L	1		6020B	Total Recoverable
Nickel	36.1		5.00		ug/L	1		6020B	Total Recoverable
Selenium	55.8		2.50		ug/L	1		6020B	Total Recoverable
Zinc	55.0		20.0		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50609

Lab Sample ID: 680-227330-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	307000		500		ug/L	1		6010D	Total Recoverable
Iron	114000		100		ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Detection Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50609 (Continued)

Lab Sample ID: 680-227330-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.23		3.00		ug/L	1		6020B	Total Recoverable
Barium	24.9		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	14.7		0.500		ug/L	1		6020B	Total Recoverable
Cadmium	2.15		0.500		ug/L	1		6020B	Total Recoverable
Cobalt	78.6		0.500		ug/L	1		6020B	Total Recoverable
Lead	48.3		2.50		ug/L	1		6020B	Total Recoverable
Nickel	38.0		5.00		ug/L	1		6020B	Total Recoverable
Selenium	56.9		2.50		ug/L	1		6020B	Total Recoverable
Zinc	54.7		20.0		ug/L	1		6020B	Total Recoverable

Client Sample ID: AF50610

Lab Sample ID: 680-227330-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1620		500		ug/L	1		6010D	Total Recoverable
Iron	2260		100		ug/L	1		6010D	Total Recoverable
Barium	35.2		5.00		ug/L	1		6020B	Total Recoverable
Beryllium	0.775		0.500		ug/L	1		6020B	Total Recoverable
Chromium	5.79		5.00		ug/L	1		6020B	Total Recoverable
Cobalt	20.2		0.500		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50607

Lab Sample ID: 680-227330-1

Date Collected: 12/06/22 10:22

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	673000		500		ug/L		12/12/22 14:06	12/13/22 14:08	1
Iron	40600		100		ug/L		12/12/22 14:06	12/13/22 14:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Barium	45.6		5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Cobalt	7.32		0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:30	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Selenium	3.58		2.50		ug/L		12/12/22 14:06	12/13/22 14:30	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U F1	0.200		ug/L		12/13/22 08:49	12/13/22 17:40	1
Mercury	0.200	U	0.200		ug/L		12/20/22 15:23	12/21/22 16:37	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50606

Lab Sample ID: 680-227330-2

Date Collected: 12/06/22 11:34

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	81700		500		ug/L		12/12/22 14:06	12/13/22 14:11	1
Iron	88800		100		ug/L		12/12/22 14:06	12/13/22 14:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Barium	273		5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Beryllium	1.99		0.500		ug/L		12/12/22 14:06	12/13/22 14:33	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:33	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Cobalt	21.1		0.500		ug/L		12/12/22 14:06	12/13/22 14:33	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Lead	3.70		2.50		ug/L		12/12/22 14:06	12/13/22 14:33	1
Nickel	8.37		5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Selenium	4.99		2.50		ug/L		12/12/22 14:06	12/13/22 14:33	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:33	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:48	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50605

Lab Sample ID: 680-227330-3

Date Collected: 12/06/22 13:25

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	97300		500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Iron	83400		100		ug/L		12/12/22 14:06	12/13/22 14:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Arsenic	96.8		3.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Barium	122		5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:38	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:38	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Cobalt	0.820		0.500		ug/L		12/12/22 14:06	12/13/22 14:38	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:38	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:38	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:50	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50604

Lab Sample ID: 680-227330-4

Date Collected: 12/06/22 14:34

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	184000		500		ug/L		12/12/22 14:06	12/13/22 13:50	1
Iron	5760		100		ug/L		12/12/22 14:06	12/13/22 13:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Arsenic	186		3.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Barium	84.5		5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Cobalt	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:14	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:14	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:53	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50602

Lab Sample ID: 680-227330-5

Date Collected: 12/07/22 10:07

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	108000		500		ug/L		12/12/22 14:06	12/13/22 13:59	1
Iron	1770		100		ug/L		12/12/22 14:06	12/13/22 13:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Arsenic	62.1		3.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Barium	62.1		5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Cobalt	2.03		0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:22	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:22	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:22	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:55	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50603

Lab Sample ID: 680-227330-6

Date Collected: 12/07/22 10:12

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	106000		500		ug/L		12/12/22 14:06	12/13/22 14:02	1
Iron	1670		100		ug/L		12/12/22 14:06	12/13/22 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Arsenic	69.0		3.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Barium	67.5		5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Cobalt	2.17		0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:24	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:24	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:24	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:58	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50608

Lab Sample ID: 680-227330-7

Date Collected: 12/07/22 13:42

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	303000		500		ug/L		12/12/22 14:06	12/13/22 14:05	1
Iron	112000		100		ug/L		12/12/22 14:06	12/13/22 14:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Arsenic	6.11		3.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Barium	24.8		5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Beryllium	11.6		0.500		ug/L		12/12/22 14:06	12/13/22 14:27	1
Cadmium	2.95		0.500		ug/L		12/12/22 14:06	12/13/22 14:27	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Cobalt	75.2		0.500		ug/L		12/12/22 14:06	12/13/22 14:27	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Lead	47.3		2.50		ug/L		12/12/22 14:06	12/13/22 14:27	1
Nickel	36.1		5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Selenium	55.8		2.50		ug/L		12/12/22 14:06	12/13/22 14:27	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Zinc	55.0		20.0		ug/L		12/12/22 14:06	12/13/22 14:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 18:05	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50609

Lab Sample ID: 680-227330-8

Date Collected: 12/07/22 13:47

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	307000		500		ug/L		12/12/22 14:06	12/13/22 14:17	1
Iron	114000		100		ug/L		12/12/22 14:06	12/13/22 14:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Arsenic	9.23		3.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Barium	24.9		5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Beryllium	14.7		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Cadmium	2.15		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Cobalt	78.6		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Lead	48.3		2.50		ug/L		12/12/22 14:06	12/13/22 14:41	1
Nickel	38.0		5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Selenium	56.9		2.50		ug/L		12/12/22 14:06	12/13/22 14:41	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Zinc	54.7		20.0		ug/L		12/12/22 14:06	12/13/22 14:41	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 18:08	1

Client Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50610

Lab Sample ID: 680-227330-9

Date Collected: 12/07/22 15:03

Matrix: Water

Date Received: 12/09/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1620		500		ug/L		12/12/22 14:06	12/13/22 14:20	1
Iron	2260		100		ug/L		12/12/22 14:06	12/13/22 14:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Barium	35.2		5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Beryllium	0.775		0.500		ug/L		12/12/22 14:06	12/13/22 14:44	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:44	1
Chromium	5.79		5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Cobalt	20.2		0.500		ug/L		12/12/22 14:06	12/13/22 14:44	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:44	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:44	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:44	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 18:11	1

QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 680-754738/1-A
 Matrix: Water
 Analysis Batch: 755000

Client Sample ID: Method Blank
 Prep Type: Total Recoverable
 Prep Batch: 754738

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Calcium	500	U	500		ug/L		12/12/22 14:06	12/13/22 13:35	1
Iron	100	U	100		ug/L		12/12/22 14:06	12/13/22 13:35	1

Lab Sample ID: LCS 680-754738/2-A
 Matrix: Water
 Analysis Batch: 755000

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 754738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Calcium	5000	4611		ug/L		92	80 - 120	
Iron	5000	4674		ug/L		93	80 - 120	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-754740/1-A
 Matrix: Water
 Analysis Batch: 755052

Client Sample ID: Method Blank
 Prep Type: Total Recoverable
 Prep Batch: 754740

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Barium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Cobalt	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 13:49	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 13:49	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 13:49	1

Lab Sample ID: LCS 680-754740/2-A
 Matrix: Water
 Analysis Batch: 755052

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 754740

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Antimony	50.0	58.15		ug/L		116	80 - 120	
Arsenic	100	103.8		ug/L		104	80 - 120	
Barium	100	110.7		ug/L		111	80 - 120	
Beryllium	50.0	58.21		ug/L		116	80 - 120	
Cadmium	50.0	54.60		ug/L		109	80 - 120	
Chromium	100	116.2		ug/L		116	80 - 120	
Cobalt	50.0	57.53		ug/L		115	80 - 120	
Copper	100	117.1		ug/L		117	80 - 120	
Lead	505	547.5		ug/L		109	80 - 120	
Nickel	99.0	116.8		ug/L		118	80 - 120	
Selenium	150	154.6		ug/L		103	80 - 120	
Thallium	50.0	52.85		ug/L		106	80 - 120	

QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

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

Lab Sample ID: LCS 680-754740/2-A
 Matrix: Water
 Analysis Batch: 755052

Client Sample ID: Lab Control Sample
 Prep Type: Total Recoverable
 Prep Batch: 754740

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	100	112.1		ug/L		112	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-754829/12-A
 Matrix: Water
 Analysis Batch: 755259

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 754829

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:35	1

Lab Sample ID: LCS 680-754829/13-A
 Matrix: Water
 Analysis Batch: 755259

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 754829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.502		ug/L		100	80 - 120

Lab Sample ID: 680-227330-1 MS
 Matrix: Water
 Analysis Batch: 755259

Client Sample ID: AF50607
 Prep Type: Total/NA
 Prep Batch: 754829

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	U F1	1.00	0.3308	F1	ug/L		33	80 - 120

Lab Sample ID: 680-227330-1 MS
 Matrix: Water
 Analysis Batch: 755260

Client Sample ID: AF50607
 Prep Type: Total/NA
 Prep Batch: 754829

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	U F1	1.00	0.3699	F1	ug/L		37	80 - 120

Lab Sample ID: 680-227330-1 MSD
 Matrix: Water
 Analysis Batch: 755259

Client Sample ID: AF50607
 Prep Type: Total/NA
 Prep Batch: 754829

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.200	U F1	1.00	0.3280	F1	ug/L		33	80 - 120	1	20

Lab Sample ID: 680-227330-1 MSD
 Matrix: Water
 Analysis Batch: 755260

Client Sample ID: AF50607
 Prep Type: Total/NA
 Prep Batch: 754829

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.200	U F1	1.00	0.3991	F1	ug/L		40	80 - 120	8	20

QC Sample Results

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

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

Lab Sample ID: MB 680-756169/1-A
 Matrix: Water
 Analysis Batch: 756421

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 756169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/20/22 15:23	12/21/22 13:32	1

Lab Sample ID: LCS 680-756169/2-A
 Matrix: Water
 Analysis Batch: 756421

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 756169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.348		ug/L		94	80 - 120

QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Metals

Prep Batch: 754738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	3005A	
680-227330-2	AF50606	Total Recoverable	Water	3005A	
680-227330-3	AF50605	Total Recoverable	Water	3005A	
680-227330-4	AF50604	Total Recoverable	Water	3005A	
680-227330-5	AF50602	Total Recoverable	Water	3005A	
680-227330-6	AF50603	Total Recoverable	Water	3005A	
680-227330-7	AF50608	Total Recoverable	Water	3005A	
680-227330-8	AF50609	Total Recoverable	Water	3005A	
680-227330-9	AF50610	Total Recoverable	Water	3005A	
MB 680-754738/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-754738/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 754740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	3005A	
680-227330-2	AF50606	Total Recoverable	Water	3005A	
680-227330-3	AF50605	Total Recoverable	Water	3005A	
680-227330-4	AF50604	Total Recoverable	Water	3005A	
680-227330-5	AF50602	Total Recoverable	Water	3005A	
680-227330-6	AF50603	Total Recoverable	Water	3005A	
680-227330-7	AF50608	Total Recoverable	Water	3005A	
680-227330-8	AF50609	Total Recoverable	Water	3005A	
680-227330-9	AF50610	Total Recoverable	Water	3005A	
MB 680-754740/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-754740/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 754829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	
680-227330-2	AF50606	Total/NA	Water	7470A	
680-227330-3	AF50605	Total/NA	Water	7470A	
680-227330-4	AF50604	Total/NA	Water	7470A	
680-227330-5	AF50602	Total/NA	Water	7470A	
680-227330-6	AF50603	Total/NA	Water	7470A	
680-227330-7	AF50608	Total/NA	Water	7470A	
680-227330-8	AF50609	Total/NA	Water	7470A	
680-227330-9	AF50610	Total/NA	Water	7470A	
MB 680-754829/12-A	Method Blank	Total/NA	Water	7470A	
LCS 680-754829/13-A	Lab Control Sample	Total/NA	Water	7470A	
680-227330-1 MS	AF50607	Total/NA	Water	7470A	
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	

Analysis Batch: 755000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	6010D	754738
680-227330-2	AF50606	Total Recoverable	Water	6010D	754738
680-227330-3	AF50605	Total Recoverable	Water	6010D	754738
680-227330-4	AF50604	Total Recoverable	Water	6010D	754738
680-227330-5	AF50602	Total Recoverable	Water	6010D	754738
680-227330-6	AF50603	Total Recoverable	Water	6010D	754738
680-227330-7	AF50608	Total Recoverable	Water	6010D	754738

QC Association Summary

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Metals (Continued)

Analysis Batch: 755000 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-8	AF50609	Total Recoverable	Water	6010D	754738
680-227330-9	AF50610	Total Recoverable	Water	6010D	754738
MB 680-754738/1-A	Method Blank	Total Recoverable	Water	6010D	754738
LCS 680-754738/2-A	Lab Control Sample	Total Recoverable	Water	6010D	754738

Analysis Batch: 755052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	6020B	754740
680-227330-2	AF50606	Total Recoverable	Water	6020B	754740
680-227330-3	AF50605	Total Recoverable	Water	6020B	754740
680-227330-4	AF50604	Total Recoverable	Water	6020B	754740
680-227330-5	AF50602	Total Recoverable	Water	6020B	754740
680-227330-6	AF50603	Total Recoverable	Water	6020B	754740
680-227330-7	AF50608	Total Recoverable	Water	6020B	754740
680-227330-8	AF50609	Total Recoverable	Water	6020B	754740
680-227330-9	AF50610	Total Recoverable	Water	6020B	754740
MB 680-754740/1-A	Method Blank	Total Recoverable	Water	6020B	754740
LCS 680-754740/2-A	Lab Control Sample	Total Recoverable	Water	6020B	754740

Analysis Batch: 755259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	754829
680-227330-2	AF50606	Total/NA	Water	7470A	754829
680-227330-3	AF50605	Total/NA	Water	7470A	754829
680-227330-4	AF50604	Total/NA	Water	7470A	754829
680-227330-5	AF50602	Total/NA	Water	7470A	754829
680-227330-6	AF50603	Total/NA	Water	7470A	754829
680-227330-7	AF50608	Total/NA	Water	7470A	754829
680-227330-8	AF50609	Total/NA	Water	7470A	754829
680-227330-9	AF50610	Total/NA	Water	7470A	754829
MB 680-754829/12-A	Method Blank	Total/NA	Water	7470A	754829
LCS 680-754829/13-A	Lab Control Sample	Total/NA	Water	7470A	754829
680-227330-1 MS	AF50607	Total/NA	Water	7470A	754829
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	754829

Analysis Batch: 755260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1 MS	AF50607	Total/NA	Water	7470A	754829
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	754829

Prep Batch: 756169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	
MB 680-756169/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-756169/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 756421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	756169
MB 680-756169/1-A	Method Blank	Total/NA	Water	7470A	756169
LCS 680-756169/2-A	Lab Control Sample	Total/NA	Water	7470A	756169

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Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50607

Lab Sample ID: 680-227330-1

Date Collected: 12/06/22 10:22

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:08
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:30
Total/NA	Prep	7470A			756169	BCB	EET SAV	12/20/22 15:23
Total/NA	Analysis	7470A		1	756421	BCB	EET SAV	12/21/22 16:37
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:40

Client Sample ID: AF50606

Lab Sample ID: 680-227330-2

Date Collected: 12/06/22 11:34

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:11
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:33
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:48

Client Sample ID: AF50605

Lab Sample ID: 680-227330-3

Date Collected: 12/06/22 13:25

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:14
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:38
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:50

Client Sample ID: AF50604

Lab Sample ID: 680-227330-4

Date Collected: 12/06/22 14:34

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 13:50
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:14
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:53

Lab Chronicle

Client: South Carolina Public Service Authority
 Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50602

Lab Sample ID: 680-227330-5

Date Collected: 12/07/22 10:07

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 13:59
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:22
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:55

Client Sample ID: AF50603

Lab Sample ID: 680-227330-6

Date Collected: 12/07/22 10:12

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:02
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:24
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:58

Client Sample ID: AF50608

Lab Sample ID: 680-227330-7

Date Collected: 12/07/22 13:42

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:05
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:27
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:05

Client Sample ID: AF50609

Lab Sample ID: 680-227330-8

Date Collected: 12/07/22 13:47

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:17
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:41
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:08

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.G01.1/36500

Job ID: 680-227330-1

Client Sample ID: AF50610

Lab Sample ID: 680-227330-9

Date Collected: 12/07/22 15:03

Matrix: Water

Date Received: 12/09/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:20
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:44
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:11

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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	TOTAL METALS -SEE BELOW	
AF50601	WAP-29	12/6/22	1022	WTK EM	2	F	G	GW	2	6010 Ca	6020 As Cr Cu Ba Pb Ni Be Sb Zn Cd Se Co Ti	X
06	WAP 28		1134									
05	WAP-27		1325									
04	WLF-A2-2		1434							Hg-747D		
AF50602	WLF-A2-1	12/7/22	1007									
03	WLF-A2-1 DUP		1012							* SEE SHEET FOR RLS.		
08	CGYP-7		1342									
09	CGYP-7 DUP		1347									
10	CCMAP-8		1503									

Relinquished by:	Employee#	Date	Time	Received by:	Employee #	Date	Time
<i>SJBrown</i>	35594	12/8/22	1500	<i>[Signature]</i>		12/9	10:10

Sample Receiving (Internal Use Only)
TEMP (°C): _____ Initial: _____
Correct pH: Yes No
Preservative Lot#: 15.1/15.1
Date/Time/Int for preservative: _____

<input type="checkbox"/> METALS (all) <input type="checkbox"/> Ag <input checked="" 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 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 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 type="checkbox"/> Na <input checked="" type="checkbox"/> Zn <input checked="" type="checkbox"/> Co <input checked="" type="checkbox"/> Ni <input checked="" type="checkbox"/> Hg <input checked="" type="checkbox"/> Cr <input checked="" type="checkbox"/> Pb <input type="checkbox"/> CrVI	Nutrients <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	MISC. <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	Gypsum <input type="checkbox"/> Wallboard 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"/> Sulfates <input type="checkbox"/> pH <input type="checkbox"/> Chlorides <input type="checkbox"/> Particle Size <input type="checkbox"/> Sulfur	Coal <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 Other Tests: <input type="checkbox"/> XRF Scan <input type="checkbox"/> HGI <input type="checkbox"/> Fineness <input type="checkbox"/> Particulate Matter	Flyash <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 NPDES <input type="checkbox"/> Oil & Grease <input type="checkbox"/> As	Oil <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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Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-227330-1

Login Number: 227330

List Number: 1

Creator: Padayao, Abigail

List Source: Eurofins Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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/JM02.08.G01.1/36500

Job ID: 680-227330-1

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-23

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

Field Data Sheets

(Note: color coding is to assist with stabilization of the field parameters prior to sample collection)

**Winyah 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
WAP-29	12.34	7.63	7-17	12/6/2022	1022	20.13

Drawdown: 7.84 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)
951	19.14	5.93	47	4790	18.5	3.48
956	19.51	6.01	0	4540	27.7	1.17
1001	19.6	5.99	7	4480	16.7	1.05
1006	19.66	5.97	10	4570	11.2	0.77
1011	19.74	5.96	12	4620	6.4	0.59
1016	19.87	5.96	14	4670	3.9	0.49
1019	19.91	5.96	15	4690	3.3	0.47
1022	19.93	5.96	16	4710	2.5	0.45

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 Brad McCray

**Winyah Generating Station
Area 2 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
WAP-29	12.34	7.68	7-17	10/21/2022	1219	20.18

Drawdown: 8.97 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1151	25.41	5.82	66	4730	58	6.49
1156	25.52	5.89	44	4500	52.1	1.8
1201	25.72	5.86	42	4540	7	1.48
1206	25.75	5.86	40	4580	0	1.14
1211	25.81	5.88	36	4700	0	0.9
1216	25.86	5.89	33	4770	0	0.85
1219	25.89	5.9	32	4810	0	0.82

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

DUP @ 1224

Samples were collected by Justin Kirk and

**Winyah 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
WAP - 14B	9.23	5.74	3'-13'	7/20/2022	1220	16.28

Drawdown: 6.96 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)
1137	27.7	6.82	-269	3370	77.9	2.83
1142	28.15	6.76	-318	3480	58	0.41
1147	28.36	6.75	-361	3540	30.8	0.36
1152	28.3	6.74	-394	3620	29.4	0.32
1157	28.18	6.77	-378	3680	35.6	0.29
1202	28.14	6.8	-362	3730	33.2	0.28
1205	28.26	6.81	-359	3750	28.7	0.26
1208	28.24	6.82	-358	3770	24.9	0.25
1211	28.35	6.82	-357	3790	22.8	0.25
1214	28.44	6.83	-355	3810	20.3	0.24
1217	28.61	6.83	-355	3820	19.2	0.24
1220	28.43	6.84	-355	3830	18.3	0.24

Comments/Conditions:

Samples were collected by Trey West and Damian Johnson

**Winyah 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
WAP - 14A	13.95	4.17	12'-22'	7/20/2022	1100	25.39

Drawdown: 4.53 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1029	21.69	7.06	-339	4870	6.4	1.38
1034	22.52	7.07	-355	4840	5.1	0.63
1039	22.44	7.06	-361	4800	5.3	0.59
1044	22.4	7.06	-365	4790	4.1	0.51
1049	22.45	7.06	-366	4780	3.4	0.3
1054	22.61	7.06	-367	4750	3.2	0.24
1057	22.67	7.06	-366	4740	3.2	0.22
1100	22.88	7.06	-367	4740	2.9	0.24

Comments/Conditions:

Samples were collected by Trey West and Damian Johnson

**Winyah 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
WAP - 14	14.69	5.46	9.5- 19.5	7/20/2022	1412	22.5

Drawdown: 6.09 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)
1344	25.01	7.93	-364	5370	2.4	2.27
1349	23.84	7.52	-395	5970	0	0.22
1354	23.8	7.35	-399	6070	0	0.09
1359	23.98	7.34	-399	6100	0	0.07
1404	23.86	7.34	-398	6060	0	0.06
1409	23.79	7.35	-398	6080	0	0.06
1412	23.83	7.35	-399	6090	0	0.06

Comments/Conditions:

DUP @ 1417

Samples were collected by Trey West and Damian Johnson

**Winyah 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
WAP - 1	29.44	7.66	4- 24	7/6/2022	1137	25.16

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)	Dissolved Oxygen (ppm)
1103	24.07	4.67	142	88	0	1.28
1108	26.23	4.73	70	87	1.3	0.66
1113	25.92	4.74	53	86	6.9	0.56
1118	27.55	4.63	49	97	6.6	0.5
1123	26.19	4.56	54	114	2.3	0.42
1128	26.4	4.56	48	114	3	0.41
1131	27.21	4.57	46	111	4.6	0.35
1134	27.53	4.58	43	110	3.1	0.33
1137	27.62	4.59	41	109	3.8	0.32

Comments/Conditions:

Samples were collected by Trey West and Brad Mccray

**Winyah 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
WAP - 16	25.08	9.29	9- 19	3/1/2022	1437	21.33

Drawdown: 9.37 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)
1339	22.07	6.69	-75	1670	161	1.01
1344	22.18	6.58	-76	1660	46.4	0.49
1349	21.92	6.59	-77	1650	34.2	0.41
1354	22.11	6.61	-79	1650	31.3	0.36
1359	21.82	6.63	-80	1640	26.6	0.35
1404	22.11	6.65	-80	1640	34.1	0.33
1407	22.12	6.66	-80	1640	24.2	0.32
1410	22.09	6.67	-81	1640	34.9	0.33
1413	22.12	6.69	-82	1630	24.8	0.34
1416	22.05	6.71	-84	1630	28.2	0.34
1419	21.94	6.77	-87	1640	31.8	0.35
1422	21.83	6.84	-90	1630	31.3	0.34
1425	21.91	6.81	-88	1630	23.6	0.34
1428	21.97	6.76	-86	1640	33.2	0.34
1431	21.96	6.74	-85	1640	29.3	0.34
1434	21.9	6.73	-84	1630	29.8	0.34
1437	21.88	6.71	-83	1640	32.4	0.34

Comments/Conditions:

Samples were collected by Ben Taylor and Brian Brase

**Winyah 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
WAP - 14C	13.88	9.98	9.5'-19.5'	2/28/2022	1402	23.18

Drawdown: 10.37 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)
1328	21.32	7.7	-228	1300	27.9	0.78
1333	20.65	7.41	-222	1270	159	0.43
1338	20.39	7.31	-218	1250	93.3	0.37
1343	20.17	7.24	-216	1240	48.4	0.35
1348	20.01	7.1	-209	1230	26	0.33
1353	19.92	6.99	-205	1230	15.7	0.33
1356	19.85	6.92	-203	1240	12.3	0.32
1359	19.8	6.84	-201	1240	9.4	0.32
1402	19.75	6.8	-199	1240	7.5	0.32

Comments/Conditions:

Samples were collected by Ben Taylor and Brian Brase

**Winyah 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
WAP - 14B	9.23	5.29	3'-13'	2/28/2022	1521	15.28

Drawdown: 6.14 depth to GW (ft)

Time	0.3 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1450	20.26	6.75	-213	3570	852	0.66
1455	20.54	6.69	-318	3740	117	0.31
1500	20.65	6.69	-321	3690	42	0.3
1505	20.9	6.73	-317	3730	11.9	0.28
1510	21.11	6.86	-323	3740	7.7	0.27
1515	21.3	6.9	-335	3750	5.4	0.26
1518	21.3	6.91	-338	3750	4.9	0.25
1521	21.31	6.92	-340	3780	3.5	0.25

Comments/Conditions:

Samples were collected by Ben Taylor and Brian Brase

**Winyah 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
WAP - 4	20.34	5.31	4- 24	2/21/2022	1335	27.01

Drawdown: 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)
1258	25.37	7.38	28	304	397	1.82
1303	24.27	7.35	17	303	429	0.56
1308	23.1	7.35	-1	311	69.2	0.47
1313	22.46	7.34	-38	316	40.4	0.45
1318	22.27	7.33	-59	320	28.8	0.42
1323	22.26	7.3	-70	322	28.6	0.42
1326	22.22	7.27	-79	323	32.2	0.41
1329	22.33	7.27	-82	325	24.8	0.41
1332	22.35	7.24	-89	325	24.2	0.39
1335	22.26	7.21	-90	325	24.6	0.39

Comments/Conditions: Well posts need to be painted yellow AGAIN

Samples were collected by Ben Taylor and Brian Brase

**Winyah 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
WAP - 1	29.44	6.79	4- 24	2/15/2022	1234	25.19

Drawdown: 6.86 depth to GW (ft)

Time	Temp round 1 (celcius)	pH round 1 (units)	Eh ORP (mV)	Spec Cond round 1 (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1203	19.48	4.6	117	83	0	1.3
1208	19.88	4.52	49	81	8.5	0.49
1213	20.22	4.54	41	82	7.9	0.41
1218	20.45	4.57	34	81	9.1	0.36
1223	20.55	4.58	33	81	4	0.32
1228	20.88	4.58	29	81	0	0.37
1231	20.78	4.6	35	81	0	0.35
1234	20.92	4.58	35	81	0	0.34

Comments/Conditions:

Samples were collected by Ben Taylor and Brian Brase

Appendix C – Well Installation Record

