2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT CLASS 3 LANDFILL AREA 2 WINYAH GENERATING STATION

by Santee Cooper
Moncks Corner, South Carolina

January 31, 2026

Table of Contents

1. Annual Groundwater Monitoring Report Summary 1

2. 40 CFR § 257.90 Applicability 2

2.1 40 CFR § 257.90(a) and (c) 2
2.2 40 CFR § 257.90(e) – Summary 2
2.2.1 Status of the Groundwater Monitoring Program 2
2.2.2 Key Actions Completed 3
2.2.3 Problems Encountered 3
2.2.4 Actions to Resolve Problems 4
2.2.5 Project Key Activities for Upcoming Year 4
2.3 40 CFR § 257.90(e) – Information 5
2.3.1 40 CFR § 257.90(e)(1) 5
2.3.2 40 CFR § 257.90(e)(2) 5
2.3.3 40 CFR § 257.90(e)(3) 5
2.3.4 40 CFR § 257.90(e)(4) 5
2.3.5 40 CFR § 257.90(e)(5) 6

Table No.	Title
1	Summary of Analytical Results
2	2025 Synoptic Water Levels for Groundwater Monitoring Wells

Figure No.	Title
1	Location of Class 3 Landfill Area 2 Monitoring Wells for CCR Compliance
2	Potentiometric Map February 2025
3	Potentiometric Map April 2025
4	Potentiometric Map June 2025
5	Potentiometric Map November 2025

Appendix A – Statistical Analyses

Appendix B – Laboratory Analytical Results

1. Annual Groundwater Monitoring Report Summary

The South Carolina Public Service Authority (Santee Cooper) has prepared this 2025 Annual Groundwater Monitoring Corrective Action Report for the Class 3 Landfill Area 2 at the Winyah Generating Station (WGS). This 2025 Annual Report was prepared to comply with the United States Environmental Protection Agency (EPA) Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals (CCR) from Electric Utilities, Title 40 Code of Federal Regulations (CFR) Part 257, Subpart D dated April 17, 2015 (CCR Rule), specifically subsection § 257.90(e)(1) through (6).

The Class 3 Landfill Area 2 at WGS received approval to operate from South Carolina Department of Health and Environmental Control (SCDHEC), currently the South Carolina Department of Environmental Services (SCDES), on December 20, 2021, and initial receipt of waste began March 28, 2022. This relatively new CCR landfill is subject to the groundwater monitoring and corrective action requirements described under § 257.90 through § 257.98. The Class 3 Landfill Area 2 is located within a portion of the footprint of Ash Pond A, which is an existing surface impoundment subject to the CCR Rule and undergoing closure by removal. Several of the monitoring wells used for the groundwater monitoring network for Ash Pond A are also included in the monitoring network for the Class 3 Landfill Area 2. In addition to the federal CCR Rule groundwater monitoring program discussed throughout, a SCDES approved groundwater monitoring program is also being implemented in accordance with the SCDES Permit #LF3-00042. This document addresses the requirement for the Owner/Operator to prepare an Annual Groundwater Monitoring and Corrective Action Report per § 257.90(e).

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, 2025), the Class 3 Landfill Area 2 was in a detection monitoring program. Based on the February 2025 sampling event, no statistically significant increases (SSIs) were identified. During the June and July 2025 semi-annual sampling event, SSIs were identified for boron, calcium, sulfate, and Total Dissolved Solids (TDS) in monitoring well WLF-A2-6 and a statistically significant decrease was identified for pH in WAP-9.

Previously, the initial detection monitoring event occurred in July 2022 following initial receipt of waste into the landfill and the resulting statistical evaluation identified SSIs. This was not unexpected based on the groundwater analytical results associated with the monitoring of WGS Ash Pond A, as the ash pond and landfill share a footprint. An Alternate Source Demonstration (ASD) was conducted and found Ash Pond A was the alternate source for the Appendix III SSIs detected downgradient of the new Class 3 Landfill Area 2, and that Landfill Area 2 was not a contributing source. The ASD was completed and certified March 2023. The statistical analysis of the February 2024 sampling event data determined SSIs for calcium and chloride in monitoring well WLF-A2-6, sulfate in monitoring wells WAP-9, WAP-19, and WLF-A2-6, and TDS in monitoring wells WAP-9, WAP-19, and WLF-A2-6. Additionally, SSIs for boron, calcium, sulfate, and TDS were also identified at well WLF-A2-6 during the second semi-annual sampling event of 2024. A second successful ASD was completed October 2024 which again concluded Ash Pond A is the alternative source of the Appendix III SSIs detected downgradient of the Class 3 Landfill Area 2.

The Class 3 Landfill Area 2 is located within a portion of the footprint of Ash Pond A, and Ash Ponds A and B are undergoing corrective action and closure by removal. Ash Ponds A and B were unlined CCR impoundments that operated for over 40 years. Activities associated with closure of these ash ponds are contributing to fluctuating and elevating concentrations. These CCR units are also surrounded by a

dynamic hydraulic system, which likely contributes to the variable concentrations observed in nearby monitoring wells. In addition, the 2024 ASD cited the natural occurrence of several Appendix III constituents common in the Coastal Plain physiographic region.

No SSIs were identified for the February 2025 groundwater sampling event. For the June and July 2025 semi-annual groundwater monitoring event, SSIs were detected for boron, calcium, sulfate, and TDS at WLF-A2-6 and a statistically significant decrease (SSD) was detected for pH at WAP-9. As a result, an ASD has been initiated. Therefore, at the end of the current annual reporting period (December 31, 2025), the Class 3 Landfill Area 2 remained in detection monitoring pending the outcome of the ASD to be completed in February 2026.

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, except as provided in paragraph (g) of this section.***
> ***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.***

As stated in Section 1, Santee Cooper is complying with the groundwater monitoring and corrective action requirements described under 40 CFR § 257.90 through § 257.98 of the CCR Rule for the WGS Class 3 Landfill Area 2. This document addresses the requirements outlined in § 257.90(e) for the 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 new CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31 of the year following the calendar year a groundwater monitoring system has been established for such CCR unit as required by this subpart, and annually thereafter. For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by § 257.105(h)(1).***

This Annual Report documents the activities completed in 2025 for the Class 3 Landfill Area 2 at WGS as required by the CCR Rule. Groundwater sampling and analysis was conducted per the requirements

described in § 257.93, and the status of the groundwater monitoring program described in § 257.94 is provided in this report.

2.2.1 Status of the Groundwater Monitoring Program

In accordance with § 257.94, groundwater monitoring wells were constructed and baseline sampling of the groundwater monitoring well network was completed for the newly constructed Class 3 Landfill Area 2 at WGS in February 2022 prior to the initial receipt of waste on March 28, 2022.

The initial semi-annual detection monitoring event occurred in July 2022 following initial receipt of waste and the resulting statistical evaluation identified SSIs. This was consistent with prior groundwater analytical results associated with the monitoring of WGS Ash Pond A, which was not unexpected since the two CCR units share a footprint. Subsequently, an ASD was conducted which evaluated groundwater quality conditions downgradient of the Class 3 Landfill Area 2 prior to the first receipt of any waste in the landfill, and compared the data to Appendix III constituent concentrations detected after the landfill began operations. It concluded that Ash Pond A was the alternate source for the Appendix III SSIs detected downgradient of the new Class 3 Landfill Area 2, and that Landfill Area 2 was not a contributing source. The ASD was completed and certified March 2023 and Landfill Area 2 continued in detection monitoring.

As noted earlier, a second ASD was completed October 2024 pursuant to 257.24 (c) (3) and the Class 3 Landfill Area 2 continued in detection monitoring. The WGS Class 3 Landfill Area 2 continues to receive waste through 2025.

A summary of the groundwater monitoring program for the new Landfill Area 2, including the analytical results for the Appendix III and Appendix IV list of constituents, is presented in Table 1 and the laboratory analytical reports, along with field sampling forms, are provided in Appendix B of this report.

2.2.2 Key Actions Completed

The following key actions were completed in 2025:

- Prepared 2024 Annual Report including:
  - Pursuant to § 257.105(h)(1) the Annual Report was placed in the facility's operating record.
  - 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 a minimum of two (2) rounds of groundwater samples (February and June/July) in accordance with § 257.94(b) and recorded the concentrations in the facility's operating record as required by § 257.94(f). Groundwater monitoring results are summarized in Table 1 and laboratory analytical reports are provided in Appendix B.
- Completed statistical evaluation to determine SSIs above background for Appendix III constituents in accordance with § 257.93(h)(2) (Appendix A).
- Updated the statistical upper tolerance limits for background wells WAP-1 and WBW-1 after the second semi-annual sampling event of 2025 in accordance with the Unified Guidance.

- Continued potentiometric surface characterization of the uppermost aquifer given changing site conditions by completing sitewide synoptic water level measurements on an approximately quarterly basis to further evaluate temporal changes.
- The WGS Groundwater Monitoring Plan was updated in December 2025 to make general revisions and improvements to reflect changes in site conditions and procedures. It will continue to be revised as necessary.
- The WGS Sampling and Analysis Plan was updated in December 2025 to make general revisions and improvements to reflect changes in site conditions and procedures. It will continue to be revised as necessary.
- Revised the WGS Statistical Data Analysis Plan.

2.2.3 Problems Encountered

No problems were encountered.

2.2.4 Actions to Resolve Problems

No actions were required.

2.2.5 Project Key Activities for Upcoming Year

Key activities to be completed in 2026 include the following:

- Prepare the 2025 annual report; place it in the record as required by § 257.105(h)(1); notify the Relevant State Director [§ 257.106(d)]; and post to the facility's publicly available website [§ 257.107(d)].
- Collect and analyze a minimum of two (2) rounds of groundwater samples in accordance with § 257.94(b) and record the concentrations in the facility's operating record as required by § 257.94(f).
- Conduct statistical analysis of detection monitoring analytical data to determine if SSIs over background are present and verify the validity of the certified March 2023 and October 2024 ASDs, as required by § 257.93(h) and § 257.94.
- Continue potentiometric surface characterization of the uppermost aquifer given changing site conditions by expanding the number of locations for collecting surface water elevations from unlined ponds.
- Complete an alternate source demonstration in accordance with § 257.94(e)(2) (February 2026).
- Evaluate turbidity, oxidation-reduction potential, and well screen submersion trends sitewide in wells and identify wells to be redeveloped by more invasive methods to remove buildup of sediment fines and suspected biofouling on the well screens.

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) AERIAL IMAGE OF GROUNDWATER MONITORING PROGRAM

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

As required by § 257.90(e)(1), a map showing the location of the CCR unit and associated upgradient and downgradient monitoring wells for the Class 3 Landfill Area 2 is presented as Figure 1.

2.3.2 40 CFR § 257.90(e)(2) ADJUSTMENTS TO GROUNDWATER MONITORING PROGRAM

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;

No monitoring wells were installed or decommissioned in 2025.

2.3.3 40 CFR § 257.90(e)(3) SUMMARY OF GROUNDWATER ANALYSIS

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;

Two independent samples from each background and downgradient monitoring well were collected and analyzed to satisfy the detection monitoring requirements for the Class 3 Landfill Area 2. A summary table including the sample names, dates of sample collection, reason for sample collection (Detection), and monitoring data obtained for the groundwater monitoring program for the Class 3 Landfill Area 2 is presented in Table 1 of this report. In addition, and as required by § 257.95(d)(3), the groundwater protection standards are included on Table 1. Laboratory analytical data reports, along with field sampling forms, are provided in Appendix B.

2.3.4 40 CFR § 257.90(e)(4) CURRENT GROUNDWATER MONITORING PROGRAM

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

Since the commencement of operations of the Class 3 Landfill Area 2 in 2022, the unit has remained in detection monitoring with a series of successful ASDs, beginning with the initial ASD conducted in March 2023, as defined in 40 CFR § 257.94(e)(2). The initial ASD found the Ash Pond A was the source. The results were not unexpected because the Class 3 Landfill Area 2 is located within a portion of the footprint of Ash

Pond A, which is currently undergoing corrective action and closure. Ash Pond A was an unlined CCR impoundment that operated for over 40 years.

In February 2023, SSIs of Appendix III constituents were again identified and a second ASD was completed March 30, 2023, and Ash Pond A was once again determined to be the source.

Another successful ASD was completed October 2024 to address the SSIs identified in the July 2024 statistical report of the February 2024 sampling data. The ASD concluded that Ash Pond A continued to be the alternative source of the Appendix III SSIs detected downgradient of the Class 3 Landfill Area 2. In July 2024, SSIs of Appendix III constituents were identified. Due to the similar results in the July 2024 sampling event to the February 2024 sampling event, the October 2024 ASD conclusions apply to the SSIs identified in the July 2024 sampling event.

No SSIs were identified for the February 2025 groundwater sampling event. For the June and July 2025 semi-annual groundwater monitoring event, SSIs were detected for boron, calcium, sulfate, and TDS at WLF-A2-6 and a statistically significant decrease (SSD) was detected for pH at WAP-9. As a result, an ASD has been initiated. Therefore, at the end of the current annual reporting period (December 31, 2025), the Class 3 Landfill Area 2 remained in detection monitoring pending the outcome of the ASD re-evaluation to be completed in February 2026.

2.3.5 40 CFR § 257.90(e)(5)

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

This Annual Report documents activities conducted to comply with Sections § 257.90 through § 257.94 of the CCR Rule. There are no applicable requirements from Sections § 257.95 through § 257.98.

Groundwater flow rate and direction are provided as Figures 2, 3, 4, and 5 for each synoptic water level event as specified in § 257.93(c).

The existing groundwater model was used in 2022 to evaluate how pond closure of WGS Ash Ponds A & B and the construction of the new landfill in the footprint of Ash Pond A may affect groundwater flow direction. The groundwater flow in the vicinity of Ash Ponds A & B and the Class 3 Landfill Area 2 has historically been radial, with groundwater discharge into the surrounding surface water of the Industrial Cooling Pond and the connecting cooling water intake and discharge canals. The model conditions were updated to simulate changes in groundwater flow following closure of a portion of Ash Pond A by the removal of CCR and affected soils, the backfilling with clean soil to provide the required separation between groundwater and the new landfill, and the covering by the Class 3 Landfill Area 2 in 65 acres of the 90-acre footprint of Ash Pond A, with a liner meeting construction standards for a new CCR landfill. Recharge was reduced from 6-inches per year to zero in the Class 3 Landfill area because, by design, rainfall and leachate were prevented from infiltrating into the subsurface due to the liner. Recharge remained 6 inches per year around Ash Pond B and the remaining 25 acres of Ash Pond A because those areas will remain open and will be graded for drainage. The groundwater flow model predicted that as recharge to the surficial aquifer decreases over time as the ash pond is closed and the new Class 3 Landfill is constructed, groundwater flow will shift to the north-northwest. Therefore, Santee Cooper is evaluating installing standpipes and/or completing a transducer study on the south side of the Class 3 Landfill Area 2 adjacent to Ash Pond A to improve surface water level and groundwater level data collection. This will

provide the ability to proactively address any potential changes to the groundwater monitoring network for ongoing compliance.

TABLES

Table 1 - Summary of Analytical Results
Winyah Generating Station Class 3 Landfill Area 2 Annual Detection Monitoring 2025

Well ID	Purpose	Date of Sample Event	Laboratory Sample ID Number		Appendix III Constituents							Field Parameters							
					Boron	Calcium	Chloride	Fluoride	Sulfate	Total Dissolved Solids	pH	Depth to Groundwater	Groundwater Elevation	pH	Specific Conductivity	Temperature	Oxidation Reduction Potential	Turbidity	Dissolved Oxygen
				Unit	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	SU	Feet	Feet	SU	uS	C	mv	NTU	ppm
				Method	EPA 6010D	EPA 6020B	EPA 300.0	EPA 300.0	EPA 300.0	SM 2540C							SM2580		
				GWPS/ US EPA MCL/RSL	----	----	----	4.00	----	----	----	----	----	----	----	----	----	----	----
Site Background Wells																			
WAP-1	Background	2/18/2025	AG25121		26.6	6.1	8.58	<0.10	41.1	62.5	4.63	5.85	23.59	4.63	96	18.5	-42	0.2	0.5
WAP-1	Background	6/25/2025	AG36871		25.5	6.7	8.81	<0.10	22.6	55.00	4.34	6.19	23.25	4.34	101	24.38	147	0	0.31
WAP-1	**total samples**				**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
WBW-1	Background	2/18/2025	AG25164		16.4	1.5	2.73	<0.10	6.56	32.5	4.16	7.93	24.04	4.16	37.0	15.25	318	8.80	2.56
WBW-1	Background	6/25/2025	AG36911		22.8	1.4	2.40	<0.10	6.11	30.00	3.78	8.39	23.58	3.78	36.000	24.05	338	2.10	1.54
WBW-1	**total samples**				**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
Class 3 Landfill Area 2 Wells																			
WAP-9	Detection	2/25/2025	AG25131		4470	298	113	<0.10	542	1325	6.30	10.68	17.36	6.30	1620	24.11	-138	2.40	0.300
WAP-9	Detection	6/26/2025	AG36880		2020	122	47.3	<0.10	319	550.0	5.31	10.43	17.61	5.31	868	25.12	80.0	2.20	0.320
WAP-9	Confirmation	10/30/2025	AG50069		***	***	***	***	***	***	5.70	9.83	18.21	5.70	1230	21.54	-11.0	1.40	0.860
WAP-9	**total samples**				**2**	**2**	**2**	**2**	**2**	**2**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**
WAP-17	Detection	3/4/2025	AG25146		4730	323	226	<0.066	749	1612	5.82	6.79	20.09	5.82	2100	21.29	-89.0	0	0.360
WAP-17	Duplicate	3/4/2025	AG25147		4720	313	221	<0.066	759	1610	***	***	***	***	***	***	***	***	***
WAP-17	Detection	7/14/2025	AG36894		4250	318	132	<0.10	795	1540	6.07	7.34	19.54	6.07	1900	27.90	-26.0	0	0.360
WAP-17	Duplicate	7/14/2025	AG36895		4230	312	140	<0.10	866	1548	***	***	***	***	***	***	***	***	***
WAP-17	**total samples**				**4**	**4**	**4**	**4**	**4**	**4**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
WAP-18	Detection	2/27/2025	AG25148		946	88.3	39.0	0.132	150	390.0	5.73	11.59	19.45	5.73	570	23.60	137	9.80	1.14
WAP-18	Detection	7/8/2025	AG36896		372	32.6	9.26	0.14	46.1	210.0	5.53	11.26	19.78	5.53	259	25.91	158	22.1	0.460
WAP-18	**total samples**				**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
WAP-19	Detection	3/4/2025	AG25149		4660	657	45.5	0.450	1550	2745	6.32	24.10	19.29	6.32	2890	21.45	-148	6.60	0.390
WAP-19	Detection	7/7/2025	AG36897		4900	655	52.9	0.29	1520	2655	6.40	23.64	19.75	6.40	2860	25.28	-125	22.2	0.580
WAP-19	**total samples**				**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
WLF-A2-1	Detection	3/4/2025	AG25173		1620	112	45.0	<0.10	242	517.5	5.28	10.69	19.35	5.28	777	20.27	-67.0	0	0.440
WLF-A2-1	Detection	7/9/2025	AG36919		1830	96.8	49.4	<0.10	194	532.5	5.25	10.45	19.59	5.25	696	22.48	-4.00	0.400	1.15
WLF-A2-1	**total samples**				**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
WLF-A2-2	Detection	3/4/2025	AG25174		2150	136	31.3	<0.10	248	565.0	6.04	8.25	19.31	6.04	746	20.72	-24.0	2.70	0.520
WLF-A2-2	Detection	7/9/2025	AG36920		2340	139	31.9	<0.10	252	607.5	5.87	7.92	19.64	5.87	826	24.20	-31.0	9.00	1.01
WLF-A2-2	**total samples**				**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**
WLF-A2-6	Detection	2/27/2025	AG25175		377	235	70.2	0.177	257	872.5	6.59	15.24	19.9	6.59	1190	20.81	-9	0	0.66
WLF-A2-6	Duplicate	2/27/2025	AG25176		375	249	69.5	0.147	252	882.5	***	***	***	***	***	***	***	***	***
WLF-A2-6	Detection	7/7/2025	AG36921		786	258	35.6	<0.10	407	957.5	6.25	15.06	20.08	6.25	1180	26.86	-1	3.5	0.23
WLF-A2-6	Duplicate	7/7/2025	AG36922		792	259	36.0	<0.10	394	977.5	***	***	***	***	***	***	***	***	***
WLF-A2-6	Confirmation	10/29/2025	AG50068		553	211	31.6	***	284	732.5	6.12	14.21	20.93	6.12	1070	21.09	-64	0	0.79
WLF-A2-6	**total samples**				**5**	**5**	**5**	**4**	**5**	**5**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**

Notes:
1. All groundwater samples collected from the monitoring wells were analyzed by South Carolina Certified laboratories: Santee Cooper Analytical Services (Certification # 08552), GEL Laboratories, LLC (Certification # 10120), Eurofins (Certification # 98001), Davis & Brown (Certification # 21117), Shealy Environmental Services, Inc (Certification # 32010), Test America Laboratories Inc. Savannah (Certification # 98001), Rogers & Callcot, Inc. (Certification # 23105001), and Pace Analytical Services LLC (Certification #99030).
2. All Background, Corrective Measures Assessment (CMA) / Nature & Extent (NE), & Assessment Monitoring compliance wells have been sampled to meet §
3. Due to challenges with laboratory delays, all groundwater samples were not analyzed by a single laboratory. This accounts for the majority of the reporting limit
4. Depth to groundwater is measured below the top of the casing (btoc) to the water surface. Elevation is shown relative to mean sea level (msl).
5. *** means not collected. Mainly pertinant for duplicate samples.

Table 2
Winyah Generating Station
2025 Synoptic Water Levels for Groundwater Monitoring Wells

		1st Event - 2/17/2025		2nd Event - 4/23/2025		3rd Event - 6/23/2025		4th Event - 11/4/2025	
Well Name	TOC Elevation (ft msl)	Depth to Groundwater (ft btoc)	GW Elevation (ft msl)	Depth to Groundwater (ft btoc)	GW Elevation (ft msl)	Depth to Groundwater (ft btoc)	GW Elevation (ft msl)	Depth to Groundwater (ft btoc)	GW Elevation (ft msl)
WBW-1	31.97	7.94	24.03	8.41	23.56	8.37	23.6	7.35	24.62
PZ-1	31.25	9.91	21.34	10.86	20.39	10.44	20.81	8.29	22.96
WAP-1	29.44	8.88	20.56	6.41	23.03	6.19	23.25	5.05	24.39
WAP-2	23.69	7.32	16.37	8.09	15.6	7.81	15.88	7.75	15.94
WAP-2R	24.29	7.65	16.64	8.4	15.89	8.08	16.21	7.43	16.86
WAP-3	19.43	8.84	10.59	9.89	9.54	8.69	10.74	8.49	10.94
WAP-4	20.34	7.8	12.54	8.73	11.61	7.04	13.3	7.4	12.94
WAP-5	26.25	9.79	16.46	10.79	15.46	9.77	16.48	10.1	16.15
WAP-6	30.98	5.54	25.44	9.33	21.65	8.63	22.35	6.94	24.04
WAP-7	29.94	10.62	19.32	10.41	19.53	9.59	20.35	9.48	20.46
WAP-8	30.38	11.61	18.77	11.31	19.07	10.82	19.56	10.51	19.87
WAP-9	28.04	10.61	17.43	11.36	16.68	10.3	17.74	10.26	17.78
WAP-10	26.11	6.86	19.25	7.77	18.34	7.11	19	6.88	19.23
WAP-11	9.55	5.39	4.16	6.19	3.36	6.07	3.48	5.21	4.34
WAP-12	30.84	8.15	22.69	10.52	20.32	9.96	20.88	10.08	20.76
WAP-13	21.97	10.79	11.18	11.95	10.02	10.45	11.52	11.01	10.96
WAP-14	14.69	6.19	8.5	8.36	6.33	6.15	8.54	6.95	7.74
WAP-14A	13.95	5.46	8.49	7.09	6.86	5.66	8.29	6.09	7.86
WAP-14B	9.23	5.49	3.74	6.51	2.72	5.68	3.55	5.61	3.62
WAP-14C	13.88	10.58	3.3	11.42	2.46	10.37	3.51	10.48	3.4
WAP-15	22.17	8.14	14.03	9.29	12.88	7.73	14.44	8.08	14.09
WAP-16	25.08	11.41	13.67	11.91	13.17	11.37	13.71	12.81	12.27
WAP-17	26.88	6.82	20.06	7.37	19.51	6.54	20.34	6.58	20.3
WAP-18	31.04	11.6	19.44	11.56	19.48	11	20.04	10.46	20.58
WAP-19	43.39	24.05	19.34	24.06	19.33	23.26	20.13	22.81	20.58
WAP-21	43.06	25.08	17.98	25.11	17.95	24.61	18.45	24.13	18.93
WAP-22	30.32	10.8	19.52	10.66	19.66	10.27	20.05	9.91	20.41
WAP-23	43.23	25.55	17.68	25.52	17.71	25.03	18.2	25	18.23
WAP-24	28.77	9.34	19.43	10.07	18.7	9.4	19.37	9.04	19.73
WAP-25	27.1	8.6	18.5	8.58	18.52	8.16	18.94	7.79	19.31
WAP-26	27.56	6.1	21.46	9.76	17.8	8.73	18.83	7.54	20.02
WAP-27	43.18	25.26	17.92	25.27	17.91	24.84	18.34	24.67	18.51
WAP-28	23.09	11.86	11.23	12.57	10.52	11.69	11.4	11.86	11.23
WAP-28R	20.27	9.19	11.08	9.91	10.36	9.04	11.23	9.16	11.11
WAP-29	12.34	7.28	5.06	8.09	4.25	7.57	4.77	7.59	4.75
WAP-30	43.37	25.59	17.78	25.56	17.81	25.06	18.31	25.03	18.34
WBW-A1-1	28.14	7.16	20.98	8.67	19.47	7.38	20.76	6.99	21.15
WLF-A1-1	41.35	18.33	23.02	19.12	22.23	17.83	23.52	17.17	24.18
WLF-A1-2	29.21	7.29	21.92	8.14	21.07	7.14	22.07	5.69	23.52
WLF-A1-3	28.31	6.92	21.39	7.85	20.46	6.86	21.45	5.28	23.03
WLF-A1-4	28.24	6.73	21.51	7.49	20.75	6.52	21.72	5.12	23.12
WLF-A1-5	37.64	16.92	20.72	17.11	20.53	16.57	21.07	16.51	21.13
WLF-A2-1	30.04	10.69	19.35	10.59	19.45	10.06	19.98	9.64	20.4
WLF-A2-2	27.56	8.16	19.4	8.17	19.39	7.56	20	7.2	20.36
WLF-A2-6	35.14	15.31	19.83	15.66	19.48	14.76	20.38	14.57	20.57
WGS-PSE-1	-	-	19.71	-	18.85	-	20.61	-	21.74
WGS-PSE-2	-	-	32.50	-	32.42	-	33.38	-	19.96
WGS-PSE-3	-	-	15.83	-	11.91	-	16.73	-	15.83
WGS-PSE-4	-	-	7.91	-	8.31	-	9.09	-	8.26
WGS-PSE-5	-	-	19.20	-	19.35	-	19.85	-	20.10
WGS-PSE-6	-	-	15.11	-	15.42	-	15.43	-	15.33
WGS-PSE-7	-	-	18.63	-	17.17	-	16.73	-	17.39
WGS-PSE-8	-	-	23.72	-	23.46	-	23.40	-	24.36
WGS-PSE-9	-	-	23.89	-	23.50	-	23.16	-	24.65
WSE AT WAP-21	-	-	15.08	-	14.90	-	15.02	-	14.99
WSE AT WAP-21	-	-	18.87	-	19.29	-	19.78	-	19.77
WSE AT WAP-27	-	-	14.58	-	14.25	-	14.82	-	13.76
WSE AT WAP-27	-	-	18.72	-	19.31	-	19.66	-	19.81
WSE AT WAP-19	-	-	35.81	-	NA	-	NA	-	32.28
WSE AT WAP-19	-	-	19.16	-	19.30	-	19.88	-	20.11
WSE AT WLF-A2-2	-	-	36.16	-	33.60	-	35.27	-	NA
WSE AT WLF-A2-2	-	-	18.91	-	19.25	-	19.81	-	19.86
WSE AT PUMP	-	-	13.43	-	13.74	-	15.94	-	15.54
WSE AT PUMP	-	-	14.41	-	14.25	-	14.58	-	13.09

Notes:

1. Additional groundwater monitoring wells used for developmenrt of potentiometric maps. These wells monitor groundwater constituent concentrations under the SCDES NPDES Permit #SC0037401 and are not used for CCR constituent concentrations.

2. Depth to groundwater is measured below the top of the casing (btoc) to the water surface. The Top of Casing Elevation and GW Elevation are shown relative to the mean sea level (msl).

3. Pond surface elevations (PSE) and staff gauge elevations were collected to aid in the potentiometric surface interpretation elevation.

FIGURES

LEGEND

- CLASS 3 LANDFILL AREA 2 WELL
- BACKGROUND 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

N

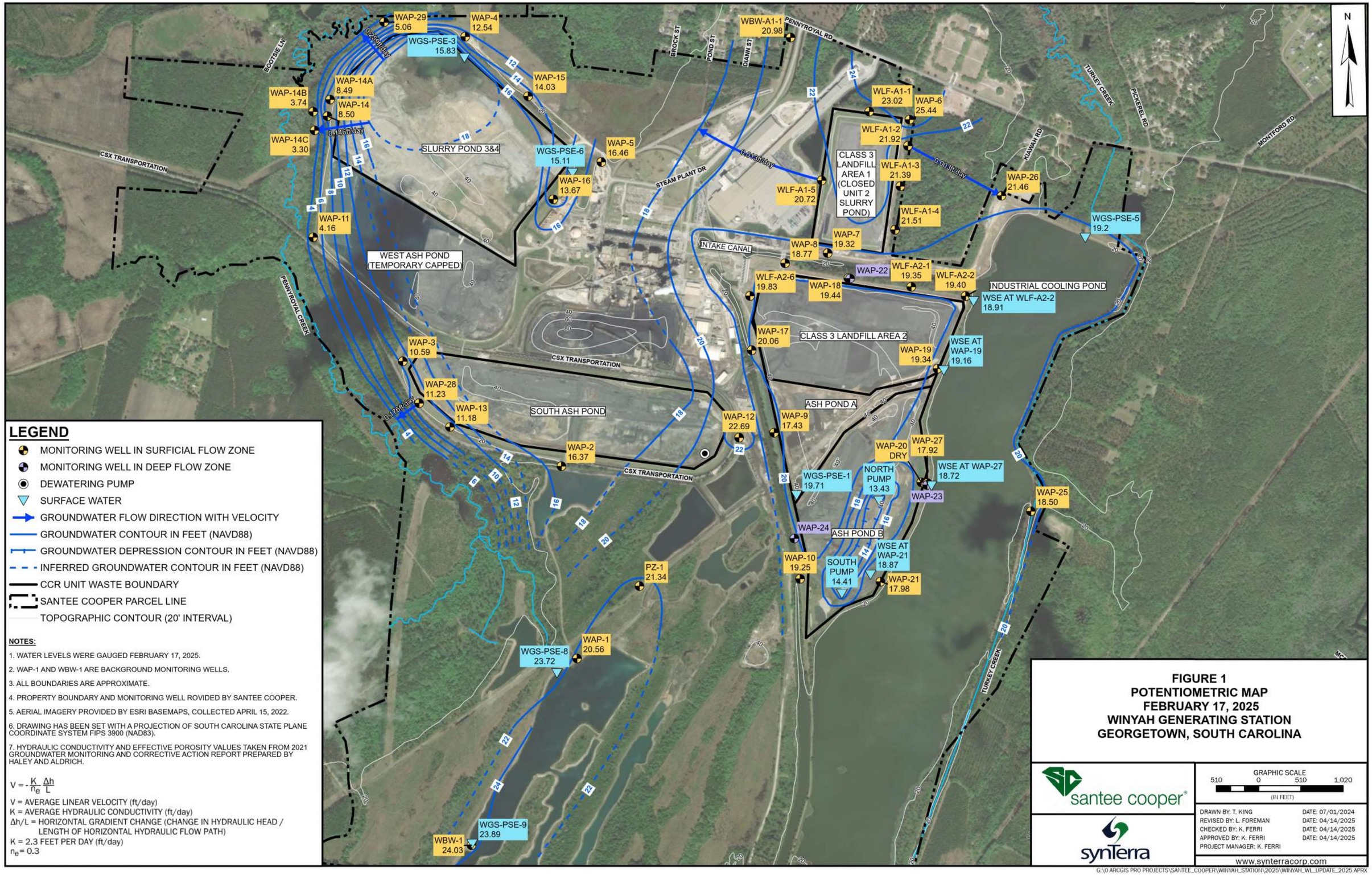
0 800 1,600
SCALE IN FEET

SANTEE COOPER
WINYAH GENERATING STATION
GEORGETOWN, SOUTH CAROLINA

LOCATION OF CLASS 3 LANDFILL AREA 2 GROUNDWATER MONITORING WELLS FOR CCR COMPLIANCE

JANUARY 2026

FIGURE 1



LEGEND

- MONITORING WELL IN SURFICIAL FLOW ZONE
- MONITORING WELL IN DEEP FLOW ZONE
- DEWATERING PUMP
- SURFACE WATER
- GROUNDWATER FLOW DIRECTION WITH VELOCITY
- GROUNDWATER CONTOUR IN FEET (NAVD88)
- GROUNDWATER DEPRESSION CONTOUR IN FEET (NAVD88)
- INFERRED GROUNDWATER CONTOUR IN FEET (NAVD88)
- CCR UNIT WASTE BOUNDARY
- SANTEE COOPER PARCEL LINE
- TOPOGRAPHIC CONTOUR (20' INTERVAL)

NOTES:

1. WATER LEVELS WERE GAUGED FEBRUARY 17, 2025.
2. WAP-1 AND WBW-1 ARE BACKGROUND MONITORING WELLS.
3. ALL BOUNDARIES ARE APPROXIMATE.
4. PROPERTY BOUNDARY AND MONITORING WELL ROVIDED BY SANTEE COOPER.
5. AERIAL IMAGERY PROVIDED BY ESRI BASEMAPS, COLLECTED APRIL 15, 2022.
6. DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83).
7. HYDRAULIC CONDUCTIVITY AND EFFECTIVE POROSITY VALUES TAKEN FROM 2021 GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PREPARED BY HALEY AND ALDRICH.

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

V = AVERAGE LINEAR VELOCITY (ft/day)
K = AVERAGE HYDRAULIC CONDUCTIVITY (ft/day)
Δh/L = HORIZONTAL GRADIENT CHANGE (CHANGE IN HYDRAULIC HEAD / LENGTH OF HORIZONTAL HYDRAULIC FLOW PATH)
K = 2.3 FEET PER DAY (ft/day)
n_e = 0.3

FIGURE 1
POTENTIOMETRIC MAP
FEBRUARY 17, 2025
WINYAH GENERATING STATION
GEORGETOWN, SOUTH CAROLINA

santee cooper®

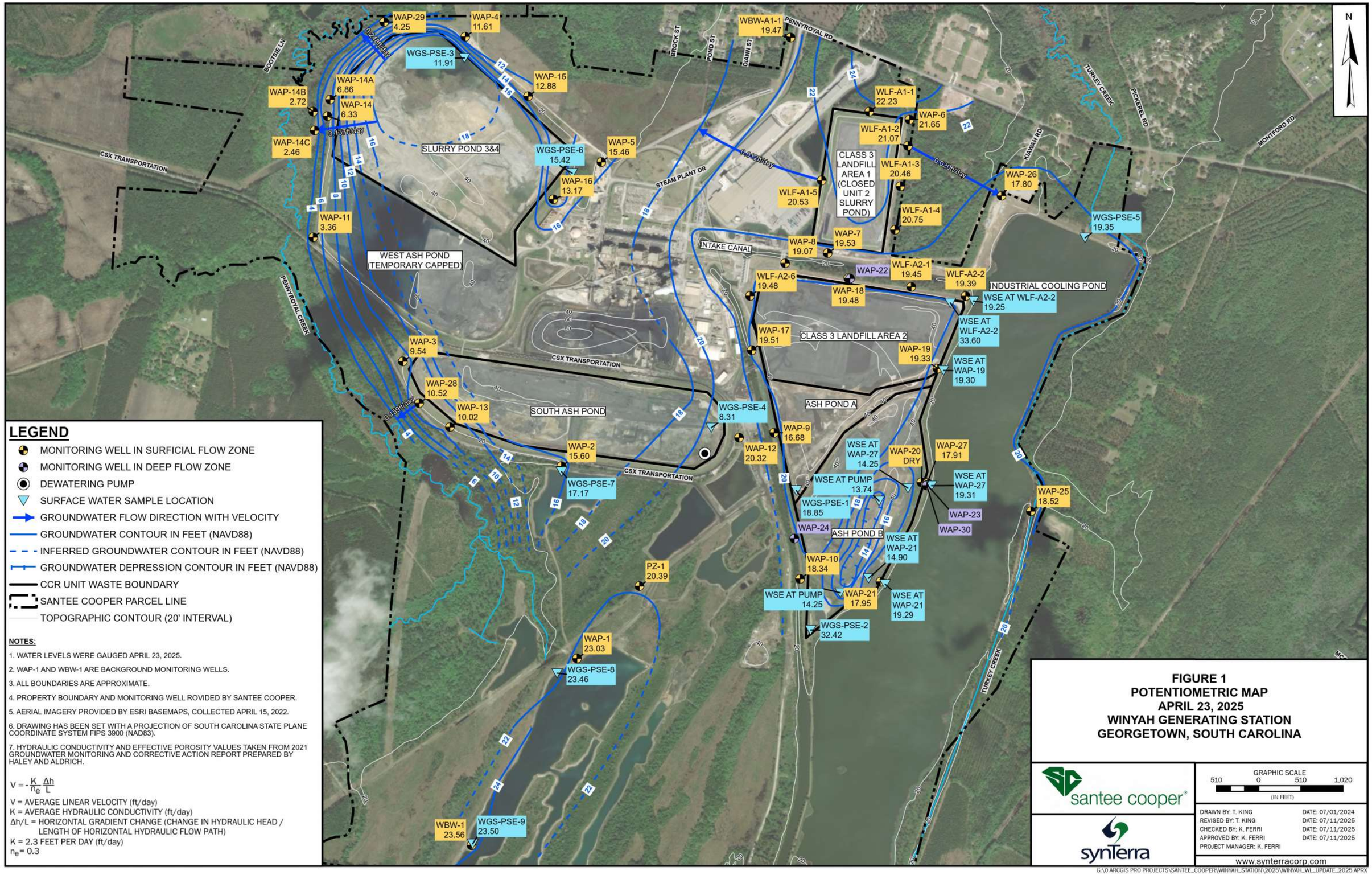
synTerra

GRAPHIC SCALE
510 0 510 1,020
(IN FEET)

DRAWN BY: T. KING	DATE: 07/01/2024
REVISED BY: L. FOREMAN	DATE: 04/14/2025
CHECKED BY: K. FERRI	DATE: 04/14/2025
APPROVED BY: K. FERRI	DATE: 04/14/2025
PROJECT MANAGER: K. FERRI	

www.synterracorp.com

G:\0 ARCGIS PRO PROJECTS\SANTEE_COOPER\WINYAH_STATION\2025\WINYAH_WL_UPDATE_2025.APRX



LEGEND

- MONITORING WELL IN SURFICIAL FLOW ZONE
- MONITORING WELL IN DEEP FLOW ZONE
- DEWATERING PUMP
- SURFACE WATER SAMPLE LOCATION
- GROUNDWATER FLOW DIRECTION WITH VELOCITY
- GROUNDWATER CONTOUR IN FEET (NAVD88)
- INFERRED GROUNDWATER CONTOUR IN FEET (NAVD88)
- GROUNDWATER DEPRESSION CONTOUR IN FEET (NAVD88)
- CCR UNIT WASTE BOUNDARY
- SANTEE COOPER PARCEL LINE
- TOPOGRAPHIC CONTOUR (20' INTERVAL)

NOTES:

1. WATER LEVELS WERE GAUGED APRIL 23, 2025.
2. WAP-1 AND WBW-1 ARE BACKGROUND MONITORING WELLS.
3. ALL BOUNDARIES ARE APPROXIMATE.
4. PROPERTY BOUNDARY AND MONITORING WELL ROVIDED BY SANTEE COOPER.
5. AERIAL IMAGERY PROVIDED BY ESRI BASEMAPS, COLLECTED APRIL 15, 2022.
6. DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83).
7. HYDRAULIC CONDUCTIVITY AND EFFECTIVE POROSITY VALUES TAKEN FROM 2021 GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PREPARED BY HALEY AND ALDRICH.

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

V = AVERAGE LINEAR VELOCITY (ft/day)
K = AVERAGE HYDRAULIC CONDUCTIVITY (ft/day)
Δh/L = HORIZONTAL GRADIENT CHANGE (CHANGE IN HYDRAULIC HEAD / LENGTH OF HORIZONTAL HYDRAULIC FLOW PATH)
K = 2.3 FEET PER DAY (ft/day)
n_e = 0.3

FIGURE 1
POTENTIOMETRIC MAP
APRIL 23, 2025
WINYAH GENERATING STATION
GEORGETOWN, SOUTH CAROLINA

santee cooper®

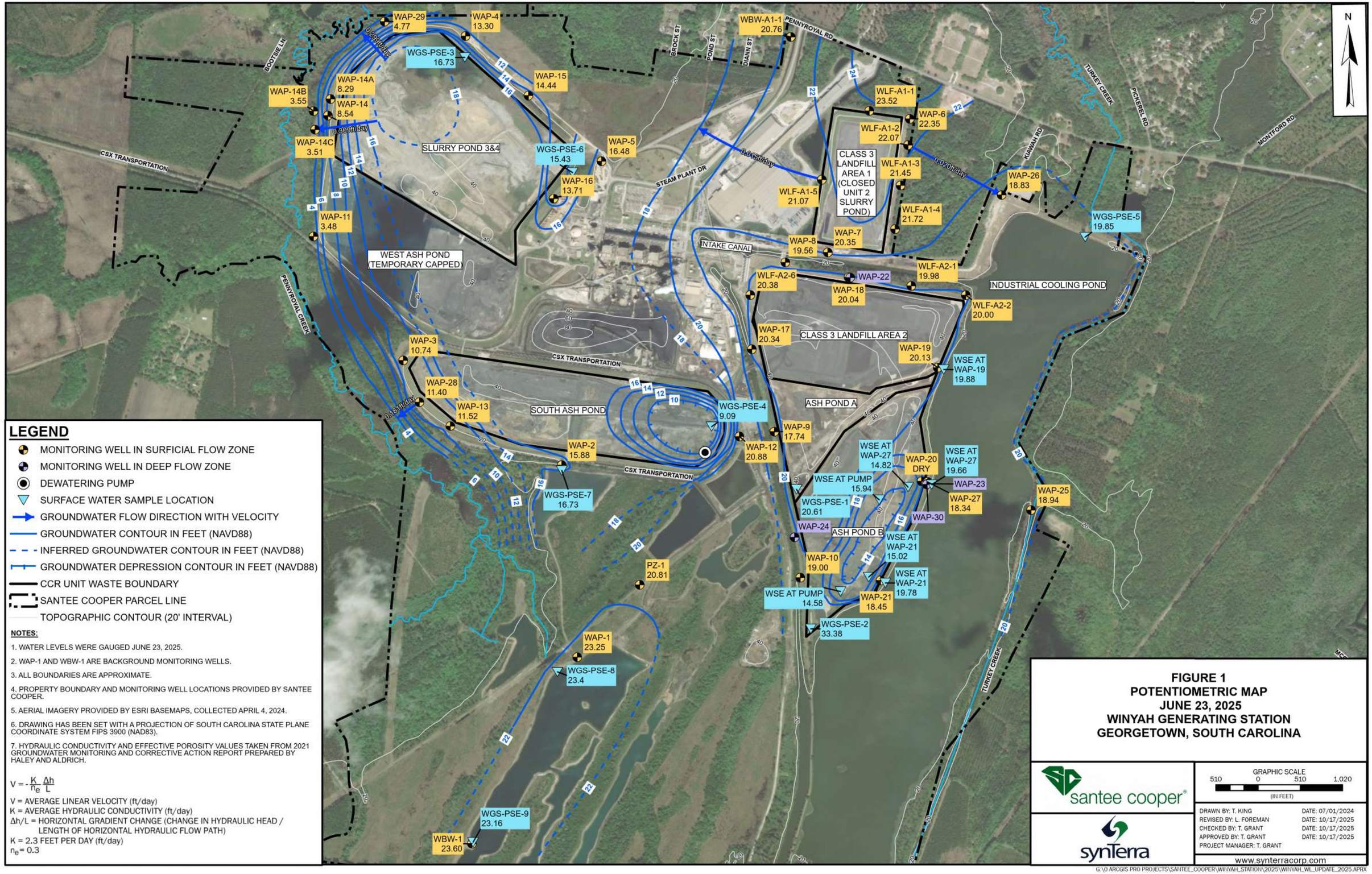
synTerra

GRAPHIC SCALE
510 0 510 1,020
(IN FEET)

DRAWN BY: T. KING	DATE: 07/01/2024
REVISED BY: T. KING	DATE: 07/11/2025
CHECKED BY: K. FERRI	DATE: 07/11/2025
APPROVED BY: K. FERRI	DATE: 07/11/2025
PROJECT MANAGER: K. FERRI	

www.synterracorp.com

G:\0 ARCGIS PRO PROJECTS\SANTEE_COOPER\WINYAH_STATION\2025\WINYAH_WL_UPDATE_2025.APRX



LEGEND

- MONITORING WELL IN SURFICIAL FLOW ZONE
- MONITORING WELL IN DEEP FLOW ZONE
- DEWATERING PUMP
- SURFACE WATER SAMPLE LOCATION
- GROUNDWATER FLOW DIRECTION WITH VELOCITY
- GROUNDWATER CONTOUR IN FEET (NAVD88)
- INFERRED GROUNDWATER CONTOUR IN FEET (NAVD88)
- GROUNDWATER DEPRESSION CONTOUR IN FEET (NAVD88)
- CCR UNIT WASTE BOUNDARY
- SANTEE COOPER PARCEL LINE
- TOPOGRAPHIC CONTOUR (20' INTERVAL)

NOTES:

1. WATER LEVELS WERE GAUGED JUNE 23, 2025.
2. WAP-1 AND WBW-1 ARE BACKGROUND MONITORING WELLS.
3. ALL BOUNDARIES ARE APPROXIMATE.
4. PROPERTY BOUNDARY AND MONITORING WELL LOCATIONS PROVIDED BY SANTEE COOPER.
5. AERIAL IMAGERY PROVIDED BY ESRI BASEMAPS, COLLECTED APRIL 4, 2024.
6. DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83).
7. HYDRAULIC CONDUCTIVITY AND EFFECTIVE POROSITY VALUES TAKEN FROM 2021 GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PREPARED BY HALEY AND ALDRICH.

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

V = AVERAGE LINEAR VELOCITY (ft/day)
K = AVERAGE HYDRAULIC CONDUCTIVITY (ft/day)
Δh/L = HORIZONTAL GRADIENT CHANGE (CHANGE IN HYDRAULIC HEAD / LENGTH OF HORIZONTAL HYDRAULIC FLOW PATH)
K = 2.3 FEET PER DAY (ft/day)
n_e = 0.3

FIGURE 1
POTENTIOMETRIC MAP
JUNE 23, 2025
WINYAH GENERATING STATION
GEORGETOWN, SOUTH CAROLINA

santee cooper®

synTerra

GRAPHIC SCALE
510 0 510 1,020
(IN FEET)

DRAWN BY: T. KING	DATE: 07/01/2024
REVISED BY: L. FOREMAN	DATE: 10/17/2025
CHECKED BY: T. GRANT	DATE: 10/17/2025
APPROVED BY: T. GRANT	DATE: 10/17/2025
PROJECT MANAGER: T. GRANT	

www.synterracorp.com

G:\0 ARCGIS PRO PROJECTS\SANTEE_COOPER\WINYAH_STATION\2025\WINYAH_WL_UPDATE_2025.APRX

N

WAP-29 4.75
WAP-4 12.94
WGS-PSE-3 15.83
WAP-14A 7.86
WAP-14B 3.62
WAP-14 7.74
WAP-14C 3.40
WAP-15 14.09
WAP-5 16.15
WGS-PSE-6 15.33
WAP-16 12.27
WAP-11 4.34
WBW-A1-1 21.15
WLF-A1-1 24.18
WAP-6 24.04
WLF-A1-2 23.52
WLF-A1-3 23.03
WLF-A1-4 23.12
WLF-A1-5 21.13
WAP-26 20.02
WGS-PSE-5 20.10
WAP-8 19.87
WAP-7 20.46
WAP-22
WLF-A2-1 20.40
WLF-A2-2 20.36
WLF-A2-6 20.57
WAP-18 20.58
WAP-17 20.30
WSE AT WLF-A2-2 19.86
WSE AT WAP-19 32.28
WSE AT WAP-19 20.11
WAP-19 20.58
WAP-3 10.94
WAP-28 11.23
WAP-13 10.96
WGS-PSE-4 8.26
WAP-9 17.78
WAP-12 20.76
WSE AT WAP-27 13.76
WAP-27 18.51
WSE AT WAP-27 19.81
WSE AT PUMP 15.54
WAP-30
WAP-23
WAP-25 19.31
WAP-2 15.94
WGS-PSE-7 17.39
WGS-PSE-1 21.74
WAP-24
WAP-10 19.23
WSE AT WAP-21 19.77
WAP-21 18.93
WSE AT PUMP 13.09
WSE AT WAP-21 14.99
WGS-PSE-2 19.96
PZ-1 22.96
WAP-1 24.39
WGS-PSE-8 24.36
WBW-1 24.62
WGS-PSE-9 24.65

SLURRY POND 3&4
WEST ASH POND (TEMPORARY CAPPED)
SOUTH ASH POND
CLASS 3 LANDFILL AREA 1 (CLOSED UNIT 2 SLURRY POND)
CLASS 3 LANDFILL AREA 2
ASH POND A
ASH POND B
INDUSTRIAL COOLING POND
INTAKE CANAL

CSX TRANSPORTATION
STEAM PLANT DR
PENNYROYAL RD
PENNYROYAL CREEK
BOOTSIE LN
BROCK ST
POND ST
DIANN ST
TURKEY CREEK
PICKEREL RD
KINWAH RD
MONTFORD RD

0.138ft/day
0.170ft/day
0.015ft/day
0.022ft/day

LEGEND

- MONITORING WELL IN SURFICIAL FLOW ZONE
- MONITORING WELL IN DEEP FLOW ZONE
- SURFACE WATER SURVEY LOCATION
- GROUNDWATER FLOW DIRECTION WITH VELOCITY
- GROUNDWATER CONTOUR IN FEET (NAVD88)
- INFERRED GROUNDWATER CONTOUR IN FEET (NAVD88)
- GROUNDWATER DEPRESSION CONTOUR IN FEET (NAVD88)
- CCR UNIT WASTE BOUNDARY
- SANTEE COOPER PARCEL LINE
- STREAM
- TOPOGRAPHIC CONTOUR (20' INTERVAL)

NOTES:

1. WATER LEVELS WERE GAUGED NOVEMBER 4, 2025.
2. WAP-1 AND WBW-1 ARE BACKGROUND MONITORING WELLS.
3. BOUNDARIES ARE APPROXIMATE.
4. PROPERTY BOUNDARY AND MONITORING WELL LOCATIONS PROVIDED BY SANTEE COOPER.
5. AERIAL IMAGERY PROVIDED BY ESRI BASEMAPS, COLLECTED APRIL 4, 2024.
6. DRAWING HAS BEEN SET WITH A PROJECTION OF SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3900 (NAD83).
7. HYDRAULIC CONDUCTIVITY AND EFFECTIVE POROSITY VALUES TAKEN FROM 2021 GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT PREPARED BY HALEY AND ALDRICH.

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

V = AVERAGE LINEAR VELOCITY (ft/day)
K = AVERAGE HYDRAULIC CONDUCTIVITY (ft/day)
Δh/L = HORIZONTAL GRADIENT CHANGE (CHANGE IN HYDRAULIC HEAD / LENGTH OF HORIZONTAL HYDRAULIC FLOW PATH)
K = 2.3 FEET PER DAY (ft/day)
n_e = 0.3

FIGURE 1
POTENTIOMETRIC MAP
NOVEMBER 4, 2025
WINYAH GENERATING STATION
GEORGETOWN, SOUTH CAROLINA

santee cooper®

synTerra

500 0 500 1,000
GRAPHIC SCALE (IN FEET)

DRAWN BY: T. KING	DATE: 07/01/2024
REVISED BY: C. NORRIS	DATE: 01/13/2026
CHECKED BY: T. GRANT	DATE: 01/13/2026
APPROVED BY: T. GRANT	DATE: 01/13/2026
PROJECT MANAGER: T. GRANT	

www.synterracorp.com

G:\0 ARCGIS PRO PROJECTS\SANTEE_COOPER\WINYAH_STATION\2025\WL_UPDATE\WINYAH_WL_UPDATE_2025.APRX

Appendix A – Statistical Analyses

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

TECHNICAL MEMORANDUM

July 1, 2025
File No. 132892-102

SUBJECT: Statistical Evaluation of the February 2025 Semiannual Groundwater Detection Monitoring Data, Winyah Generating Station, Class 3 Landfill Area 2

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 2025 semiannual detection monitoring event for the Winyah Generating Station (WGS) Class 3 Landfill Area 2. Data for this groundwater sampling event were validated on April 30, 2025, by Santee Cooper and provided to Haley & Aldrich, Inc. (Haley & Aldrich).

BACKGROUND

The results of analytical testing performed on samples collected from the groundwater monitoring network were evaluated to determine whether there has been a statistically significant increase (SSI) over baseline for one or more detection monitoring constituents. The Class 3 Landfill Area 2 is a relatively new landfill located in the footprint of the excavated Ash Pond A; the first receipt of waste was March 28, 2022. As the elevated levels of detected Appendix III constituents were identified downgradient of Class 3 Landfill Area 2 prior to the placement of CCR material into the unit, a successful alternative source demonstration (ASD) was prepared 90 days after SSIs were identified and another ASD was prepared in 2024. The ASDs supported that Appendix III constituent concentrations downgradient of Class 3 Landfill Area 2 are attributable to the former, co-located Ash Pond A.

Using intrawell evaluations, sample data from the February 2025 semiannual groundwater sampling event for the downgradient monitoring wells were compared to prediction limits (PLs). The results of the groundwater detection monitoring statistical evaluation are discussed below and provided in Table 1.

STATISTICAL EVALUATION

The Rule provides four specific options to statistically evaluate whether water quality downgradient of the CCR unit (40 CFR §257.93(f) (1-4)) represents an SSI of Appendix III parameters compared to baseline groundwater quality of the CCR Unit. The selected statistical method used for these evaluations is the upper prediction limit (UPL). This statistical method was certified by Haley & Aldrich on December 16, 2021.

An intrawell evaluation was used for statistical analysis, which compares the most recent values from downgradient compliance wells against a baseline dataset composed of data from that well that is determined to be unimpacted by the monitored CCR unit. The results of analytical testing performed on

samples collected from the groundwater monitoring network were evaluated to determine whether an SSI exists for Appendix III constituents.

In order to statistically evaluate the analytical results, the prediction interval procedure uses a concentration limit for each constituent that is established from the distribution of the baseline data with a specified confidence level (e.g., 95 percent). The upper endpoint of a concentration limit is called the upper prediction limit (UPL), and the lower endpoint is called the lower prediction limit (LPL). Depending on the baseline data distribution, parametric or non-parametric prediction limit procedures are used to evaluate groundwater monitoring data using this method. Parametric prediction limits (PLs) use normally distributed data or normalized data via a transformation of the sample baseline data. If the data are non-normal and a transformation is not indicated, non-parametric procedures (order statistics or bootstrap methods) are used to calculate the prediction limit. If all the baseline data are non-detect, a maximum reporting limit (RL) may serve as an approximate UPL. LPLs are only calculated for pH data. Valid pH measurements should always be greater than detection limits at this site, but the minimum value may serve as a non-parametric LPL.

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

Per the document *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009* (the Unified Guidance), baseline concentrations were based on statistical evaluation of analytical results collected through March 2025 and updated in the Statistical Output produced with R programming software (Attachment A). The baseline dataset will be updated in Table 1 after four additional data points are collected (first semiannual event of 2027) in accordance with the Unified Guidance.

TREND ANALYSIS

Mann-Kendall trend analyses were performed on both the overall dataset, and on the eight most recent samples. Trends were only evaluated for constituent/well datasets of sufficient sample size. Recent trend analysis results are included in Table 1, and both overall and recent trends are included in Attachment A, Table A-4. Trend analysis will continue to be used to monitor and evaluate concentrations in the context of overall site conditions.

Of the 45 downgradient well/constituent datasets that were evaluated for recent trends, 45 percent had decreasing or stable trends, 33 percent were variable with no statistically significant trend, and 22 percent had increasing trends. Increasing trends were identified for boron (WAP-19), calcium (WAP-17, WAP-19, and WLF-A2-6), chloride (WLF-A2-6), sulfate (WAP-9, WAP-17, and WAP-19), and total dissolved solids (WAP-19); however, it is important to note that increasing trends are not part of the comparison criteria for triggering an SSI. Trend analysis will continue to be used to monitor and evaluate concentrations in the context of overall site conditions.

RESULTS OF DETECTION MONITORING DOWNGRADIENT STATISTICAL COMPARISONS

The sample concentrations from the downgradient wells for each of the detected Appendix III constituents from the February 2025 detection monitoring event were compared to their respective baseline concentration (Table 1). A sample concentration greater than the UPL is considered to represent an SSI. Intrawell comparisons were used for downgradient wells and constituents. No SSIs were identified during this sampling event.

As noted in the 2023 and 2024 ASDs, the Class 3 Landfill Area 2 is within the footprint of Ash Pond A, which is undergoing corrective action and closure. Ash Ponds A and B were unlined CCR impoundments that operated for over 40 years. As supported by the 2023 and 2024 ASD, the former units are contributing to fluctuating and elevated concentrations. This unit is also surrounded by a dynamic hydraulic system, which likely contributes to the variable concentrations observed in nearby monitoring wells. In addition, the 2024 ASD cited the natural occurrence of Appendix III constituents is common in the Coastal Plain physiographic region. As such, the Class 3 Landfill Area 2 will remain in detection monitoring.

Enclosures:

Table 1 – February 2025 Semiannual Groundwater Detection Monitoring Data (WGS Class 3 Landfill Area 2)

Attachment A – Statistical Output, February 2025

TABLE

TABLE 1
FEBRUARY 2025 SEMIANNUAL GROUNDWATER DETECTION MONITORING DATA (WGS CLASS 3 LANDFILL AREA 2)
WINYAH GENERATING STATION
CLASS 3 LANDFILL AREA 2

Location	Frequency of Detection	Percent of Detected Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	CCR MCL/RSL	Number of MCL/RSL Exceedances	Mann-Kendall Trend [a]	Intra-well Analysis				
												Assumed Data Distribution	Sample Date	February 2025 Concentration	Intrawell Prediction Limits [b]	Statistically Significant Increases (SSIs)
CCR Appendix III: Boron, Total (mg/L)																
WBW-1	14/23	61%	0.015 - 0.075	0.036	0.019	0.084	0.185	108%	NA	NA	No Trend	Non-Parametric	2/18/2025	0.0164	NA	NA
WAP-1	23/23	100%	NA	0.031	0.028	0.05	0.06	31%	NA	NA	No Trend	Parametric	2/18/2025	0.0266	NA	NA
WAP-17	24/24	100%	NA	5.13	4.28	9.03	14.2	47%	NA	NA	No Trend	Non-Parametric	3/4/2025	4.73	14.2	No
WAP-18	22/22	100%	NA	3.86	3.63	8.18	8.20	70%	NA	NA	Decreasing	Parametric	2/27/2025	0.946	12.5	No
WAP-19	22/22	100%	NA	4.08	4.15	4.66	6.19	20%	NA	NA	Increasing	Parametric	3/4/2025	4.66	6.69	No
WAP-9	21/21	100%	NA	4.78	5.1	5.72	5.80	18%	NA	NA	Stable	Parametric	2/25/2025	4.47	7.49	No
WLF-A2-1	15/15	100%	NA	2.43	1.76	4.65	5.50	55%	NA	NA	Stable	Parametric	3/4/2025	1.62	7.01	No
WLF-A2-2	15/15	100%	NA	2.70	2.28	4.80	5.04	42%	NA	NA	Decreasing	Non-Parametric	3/4/2025	2.15	5.04	No
WLF-A2-6	16/16	100%	NA	0.38	0.37	0.50	0.74	29%	NA	NA	No Trend	Non-Parametric	2/27/2025	0.377	0.74	No
CCR Appendix III: Calcium, Total (mg/L)																
WBW-1	11/23	48%	0.5 - 0.5	18	0.50	3.21	400	451%	NA	NA	Stable	Non-Parametric	2/18/2025	1.5	NA	NA
WAP-1	24/26	92%	0.5 - 0.5	4.3	2.5	10.3	26.9	127%	NA	NA	No Trend	Non-Parametric	2/18/2025	6.1	NA	NA
WAP-17	24/24	100%	NA	301	312	417	580	31%	NA	NA	Increasing	Parametric	3/4/2025	323	593	No
WAP-18	23/23	100%	NA	320	335	507	870	63%	NA	NA	Stable	Parametric	2/27/2025	88.3	958	No
WAP-19	23/23	100%	NA	428	342	706	970	44%	NA	NA	Increasing	Non-Parametric	3/4/2025	657	970	No
WAP-9	26/26	100%	NA	187	155	337	453	43%	NA	NA	Probably Increasing	Non-Parametric	2/25/2025	298	453	No
WLF-A2-1	15/15	100%	NA	148	112	299	353	56%	NA	NA	Stable	Non-Parametric	3/4/2025	112	353	No
WLF-A2-2	15/15	100%	NA	167	182	231	238	24%	NA	NA	Stable	Parametric	3/4/2025	136	307	No
WLF-A2-6	16/16	100%	NA	155	133	235	235	28%	NA	NA	Increasing	Non-Parametric	2/27/2025	235	235	No
CCR Appendix III: Chloride, Total (mg/L)																
WBW-1	23/23	100%	NA	4.5	4.4	7.5	10.5	46%	NA	NA	Stable	Parametric	2/18/2025	2.73	NA	NA
WAP-1	26/26	100%	NA	8.4	8.7	12	13.4	29%	NA	NA	Stable	Parametric	2/18/2025	8.58	NA	NA
WAP-17	24/24	100%	NA	261	236	584	769	65%	NA	NA	No Trend	Non-Parametric	3/4/2025	226	769	No
WAP-18	23/23	100%	NA	84.7	49	232	260	93%	NA	NA	Stable	Non-Parametric	2/27/2025	39	260	No
WAP-19	23/23	100%	NA	144	134	239	375	64%	NA	NA	Stable	Parametric	3/4/2025	45.5	435	No
WAP-9	26/26	100%	NA	126	109	205	229	33%	NA	NA	Probably Increasing	Non-Parametric	2/25/2025	113	229	No
WLF-A2-1	15/15	100%	NA	153	95.2	472	491	98%	NA	NA	Stable	Non-Parametric	3/4/2025	45	491	No
WLF-A2-2	15/15	100%	NA	84.9	94.8	156	188	60%	NA	NA	Decreasing	Parametric	3/4/2025	31.3	260	No
WLF-A2-6	16/16	100%	NA	26.3	15.2	77.3	79.9	103%	NA	NA	Increasing	Non-Parametric	2/27/2025	70.2	80	No

TABLE 1
FEBRUARY 2025 SEMIANNUAL GROUNDWATER DETECTION MONITORING DATA (WGS CLASS 3 LANDFILL AREA 2)
WINYAH GENERATING STATION
CLASS 3 LANDFILL AREA 2

Location	Frequency of Detection	Percent of Detected Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	CCR MCL/RSL	Number of MCL/RSL Exceedances	Mann-Kendall Trend [a]	Intra-well Analysis				
												Assumed Data Distribution	Sample Date	February 2025 Concentration	Intrawell Prediction Limits [b]	Statistically Significant Increases (SSIs)
CCR Appendix III: Fluoride (mg/L)																
WBW-1	1/24	4%	0.1 - 0.1	0.10	0.10	0.10	0.1	0%	4	0	Not Evaluated	Non-Parametric	2/18/2025	<0.1	NA	NA
WAP-1	2/24	8%	0.1 - 0.1	0.10	0.10	0.13	0.14	10%	4	0	Not Evaluated	Non-Parametric	2/18/2025	<0.1	NA	NA
WAP-17	12/25	48%	0.066 - 0.1	0.14	0.10	0.25	0.32	44%	4	0	Not Evaluated	Non-Parametric	3/4/2025	<0.066	0.320	No
WAP-18	17/24	71%	0.1 - 0.1	0.90	0.88	1.98	2.51	82%	4	0	No Trend	Parametric	2/27/2025	0.132	3.24	No
WAP-19	20/24	83%	0.1 - 0.1	0.24	0.19	0.56	0.6	60%	4	0	No Trend	Parametric	3/4/2025	0.45	0.697	No
WAP-9	2/24	8%	0.1 - 0.1	0.10	0.10	0.10	0.11	2%	4	0	Not Evaluated	Non-Parametric	2/25/2025	<0.1	0.110	No
WLF-A2-1	2/15	13%	0.1 - 0.1	0.11	0.10	0.14	0.23	31%	4	0	Not Evaluated	Non-Parametric	3/4/2025	<0.1	0.230	No
WLF-A2-2	1/15	7%	0.1 - 0.1	0.11	0.10	0.15	0.27	39%	4	0	Not Evaluated	Non-Parametric	3/4/2025	<0.1	0.270	No
WLF-A2-6	14/16	88%	0.1 - 0.1	0.20	0.18	0.30	0.31	37%	4	0	Stable	Parametric	2/27/2025	0.177	0.449	No
CCR Appendix III: pH, Field (SU) [c]																
WBW-1	24/24	100%	NA	4.14	4.11	4.55	4.77	6%	NA	NA	Stable	Parametric	2/18/2025	4.16	NA	NA
WAP-1	26/26	100%	NA	4.65	4.55	5.96	7.61	16%	NA	NA	No Trend	Non-Parametric	2/18/2025	4.63	NA	NA
WAP-17	25/25	100%	NA	6.06	6.04	6.34	6.35	3%	NA	NA	Stable	Parametric	3/4/2025	5.82	6.56 / 5.55	No
WAP-18	25/25	100%	NA	6.16	6.31	6.72	6.80	8%	NA	NA	No Trend	Parametric	2/27/2025	5.73	7.70 / 4.61	No
WAP-19	26/26	100%	NA	6.26	6.32	6.49	6.81	4%	NA	NA	Stable	Parametric	3/4/2025	6.32	6.96 / 5.56	No
WAP-9	26/26	100%	NA	5.95	5.94	6.27	6.34	3%	NA	NA	No Trend	Parametric	2/25/2025	6.3	6.47 / 5.44	No
WLF-A2-1	15/15	100%	NA	5.13	5.18	5.64	5.7	8%	NA	NA	No Trend	Parametric	3/4/2025	5.28	6.57 / 3.70	No
WLF-A2-2	15/15	100%	NA	5.79	5.79	6.02	6.04	3%	NA	NA	No Trend	Parametric	3/4/2025	6.04	6.42 / 5.17	No
WLF-A2-6	16/16	100%	NA	6.41	6.42	6.59	6.60	3%	NA	NA	No Trend	Parametric	2/27/2025	6.59	6.96 / 5.85	No
CCR Appendix III: Sulfate (mg/L)																
WBW-1	23/23	100%	NA	6.56	5.35	10.9	14.4	39%	NA	NA	No Trend	Non-Parametric	2/18/2025	6.56	NA	NA
WAP-1	23/26	89%	2 - 2	15.8	15.15	32.98	41.4	72%	NA	NA	No Trend	Parametric	2/18/2025	41.4	NA	NA
WAP-17	24/24	100%	NA	760	739.5	1115	1810	38%	NA	NA	Increasing	Non-Parametric	3/4/2025	749.0	1810	No
WAP-18	23/23	100%	NA	611	750	1056	1160	61%	NA	NA	Stable	Parametric	2/27/2025	150.0	1787	No
WAP-19	23/23	100%	NA	957	837	1781	1810	42%	NA	NA	Increasing	Non-Parametric	3/4/2025	1550	1810	No
WAP-9	26/26	100%	NA	218	171	571	602	68%	NA	NA	Increasing	Non-Parametric	2/25/2025	542.0	602	No
WLF-A2-1	15/15	100%	NA	325	278	645	739	57%	NA	NA	Stable	Parametric	3/4/2025	242	964.3	No
WLF-A2-2	15/15	100%	NA	336	342	536	552	37%	NA	NA	Stable	Parametric	3/4/2025	248	759.7	No
WLF-A2-6	16/16	100%	NA	104	60.6	279	292	91%	NA	NA	Probably Increasing	Non-Parametric	2/27/2025	257	292.0	No

TABLE 1
FEBRUARY 2025 SEMIANNUAL GROUNDWATER DETECTION MONITORING DATA (WGS CLASS 3 LANDFILL AREA 2)
WINYAH GENERATING STATION
CLASS 3 LANDFILL AREA 2

Location	Frequency of Detection	Percent of Detected Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	CCR MCL/RSL	Number of MCL/RSL Exceedances	Mann-Kendall Trend [a]	Intra-well Analysis				
												Assumed Data Distribution	Sample Date	February 2025 Concentration	Intrawell Prediction Limits [b]	Statistically Significant Increases (SSIs)
CCR Appendix III: Total Dissolved Solids (mg/L)																
WBW-1	18/22	82%	25 - 33.3	54.6	32.9	154.5	292.5	114%	NA	NA	No Trend	Non-Parametric	2/18/2025	32.5	NA	NA
WAP-1	26/27	96%	100 - 100	66.5	55.0	124.5	234.0	65%	NA	NA	Stable	Non-Parametric	2/18/2025	62.5	NA	NA
WAP-17	24/24	100%	NA	1563	1589	1981	3140	29%	NA	NA	No Trend	Non-Parametric	3/4/2025	1612	3140	No
WAP-18	23/23	100%	NA	1286	1452	2018	2182	49%	NA	NA	Stable	Non-Parametric	2/27/2025	390	2182	No
WAP-19	23/23	100%	NA	1835	1596	2866	2891	30%	NA	NA	Increasing	Non-Parametric	3/4/2025	2745	2891	No
WAP-9	26/26	100%	NA	1014	866.9	1662	2745	42%	NA	NA	No Trend	Non-Parametric	2/25/2025	1325	2745	No
WLF-A2-1	15/15	100%	NA	859.5	715.0	1936	2125	63%	NA	NA	Stable	Non-Parametric	3/4/2025	517.5	2125	No
WLF-A2-2	15/15	100%	NA	826.0	880.0	1256	1281	35%	NA	NA	Decreasing	Parametric	3/4/2025	565	1818	No
WLF-A2-6	16/16	100%	NA	634.0	594.4	936.2	947.5	24%	NA	NA	Increasing	Non-Parametric	2/27/2025	872.5	947.5	No

Notes:

[a] Mann-Kendall Trends calculated from the 8 most recent samples at a 95% confidence limits and trend classifications are determined based on guidance from the Monitoring and Remediation Optimization System (Aziz, 2003). Recent trend date ranges vary by well/constituent and are included in Attachment A, Table A-4. 'Probably increasing' and 'probably decreasing' trends indicate that while no statistically significant trend was identified at the indicated confidence level, data suggest emerging trends at a lower confidence level. Data sets that do not meet test requirements, such as having a detection rate of at least 25%, are labeled as 'Not Evaluated'.

[b] Intrawell Prediction Limits are calculated from data collected from individual downgradient wells. No statistical outlier data points were removed from background datasets.

[c] Upper Prediction Limit (UPL) / Lower Prediction Limit (LPL): SSIs are identified as sample results below the LPL or above the UPL.

MCL/RSL: Maximum contaminant level/Regional screening level

mg/L: milligrams per liter, SU = standard pH units

NA: not applicable

<: Constituent not detected above the method detection limit and the sample-specific reporting limit is show.

ATTACHMENT A
Statistical Output, February 2025

Table A-1. Descriptive Statistics

Location	Constituent	Units	n	n, non-detects	percent of non-detects	max	min	mean	median	standard deviation	coefficient of variation (%)	reporting limit range	date range
WAP-1	Boron	mg/L	23	0	0	0.055	0.0164	0.0309	0.0284	0.0096	31.1	NA	2015-11-10 to 2025-02-18
WAP-17	Boron	mg/L	24	0	0	14.2	2.8	5.13	4.275	2.4	47.4	NA	2015-11-11 to 2025-03-04
WAP-18	Boron	mg/L	22	0	0	8.2	0.799	3.86	3.625	2.7	69.8	NA	2015-11-11 to 2025-02-27
WAP-19	Boron	mg/L	22	0	0	6.19	1.99	4.08	4.15	0.81	20	NA	2015-11-11 to 2025-03-04
WAP-9	Boron	mg/L	21	0	0	5.8	2.63	4.78	5.1	0.84	17.5	NA	2015-11-11 to 2025-02-25
WBW-1	Boron	mg/L	23	9	39	0.185	0.0132	0.0359	0.019	0.039	108	0.015 - 0.075	2015-11-10 to 2025-02-18
WLF-A2-1	Boron	mg/L	15	0	0	5.5	1.14	2.43	1.76	1.3	54.8	NA	2022-02-24 to 2025-03-04
WLF-A2-2	Boron	mg/L	15	0	0	5.04	1.36	2.7	2.28	1.1	42.3	NA	2022-02-23 to 2025-03-04
WLF-A2-6	Boron	mg/L	16	0	0	0.74	0.245	0.38	0.3735	0.11	28.9	NA	2021-04-08 to 2025-02-27
WAP-1	Calcium	mg/L	26	2	8	26.9	0.5	4.33	2.485	5.5	127	0.5 - 0.5	2015-11-10 to 2025-02-18
WAP-17	Calcium	mg/L	24	0	0	580	136	301	312	92	30.5	NA	2015-11-11 to 2025-03-04
WAP-18	Calcium	mg/L	23	0	0	870	52.3	320	335	200	62.6	NA	2015-11-11 to 2025-02-27
WAP-19	Calcium	mg/L	23	0	0	970	201	428	342	190	43.6	NA	2015-11-11 to 2025-03-04
WAP-9	Calcium	mg/L	26	0	0	453	121	187	155	80	42.8	NA	2015-11-11 to 2025-02-25
WBW-1	Calcium	mg/L	23	12	52	400	0.3	18.5	0.5	83	451	0.5 - 0.5	2015-11-10 to 2025-02-18
WLF-A2-1	Calcium	mg/L	15	0	0	353	62.2	148	112	83	56.3	NA	2022-02-24 to 2025-03-04
WLF-A2-2	Calcium	mg/L	15	0	0	238	98.8	167	182	41	24.4	NA	2022-02-23 to 2025-03-04
WLF-A2-6	Calcium	mg/L	16	0	0	235	117	155	132.5	43	28	NA	2021-04-08 to 2025-02-27
WAP-1	Chloride	mg/L	26	0	0	13.4	4.39	8.43	8.695	2.5	29.4	NA	2015-11-10 to 2025-02-18
WAP-17	Chloride	mg/L	24	0	0	769	45.3	261	235.5	170	64.6	NA	2015-11-11 to 2025-03-04
WAP-18	Chloride	mg/L	23	0	0	260	7.63	84.7	49	79	92.9	NA	2015-11-11 to 2025-02-27
WAP-19	Chloride	mg/L	23	0	0	375	31.1	144	134	91	63.6	NA	2015-11-11 to 2025-03-04
WAP-9	Chloride	mg/L	26	0	0	229	77.7	126	109	42	33	NA	2015-11-11 to 2025-02-25
WBW-1	Chloride	mg/L	23	0	0	10.5	1.77	4.54	4.38	2.1	45.9	NA	2015-11-10 to 2025-02-18
WLF-A2-1	Chloride	mg/L	15	0	0	491	17.3	153	95.2	150	98.2	NA	2022-02-24 to 2025-03-04
WLF-A2-2	Chloride	mg/L	15	0	0	188	17.6	84.9	94.8	51	60.1	NA	2022-02-23 to 2025-03-04
WLF-A2-6	Chloride	mg/L	16	0	0	79.9	5.31	26.3	15.2	27	103	NA	2021-04-08 to 2025-02-27
WAP-1	Fluoride	mg/L	24	22	92	0.14	0.1	0.103	0.1	0.01	9.71	0.1 - 0.1	2015-11-10 to 2025-02-18
WAP-17	Fluoride	mg/L	25	13	52	0.32	0.066	0.138	0.1	0.061	44.3	0.066 - 0.1	2015-11-11 to 2025-03-04
WAP-18	Fluoride	mg/L	24	7	29	2.51	0.1	0.9	0.88	0.74	81.9	0.1 - 0.1	2015-11-11 to 2025-02-27
WAP-19	Fluoride	mg/L	24	4	17	0.6	0.1	0.24	0.185	0.14	60	0.1 - 0.1	2015-11-11 to 2025-03-04
WAP-9	Fluoride	mg/L	24	22	92	0.11	0.1	0.1	0.1	0.002	2.03	0.1 - 0.1	2015-11-11 to 2025-02-25
WBW-1	Fluoride	mg/L	24	23	96	0.1	0.1	0.1	0.1	0	0	0.1 - 0.1	2015-11-10 to 2025-02-18
WLF-A2-1	Fluoride	mg/L	15	13	87	0.23	0.1	0.109	0.1	0.034	30.9	0.1 - 0.1	2022-02-24 to 2025-03-04
WLF-A2-2	Fluoride	mg/L	15	14	93	0.27	0.1	0.111	0.1	0.044	39.4	0.1 - 0.1	2022-02-23 to 2025-03-04
WLF-A2-6	Fluoride	mg/L	16	2	12	0.31	0.1	0.199	0.1785	0.074	37.3	0.1 - 0.1	2021-04-08 to 2025-02-27
WAP-1	Sulfate	mg/L	26	3	12	41.4	2	15.8	15.15	11	71.9	2 - 2	2015-11-10 to 2025-02-18
WAP-17	Sulfate	mg/L	24	0	0	1810	348	760	739.5	290	37.6	NA	2015-11-11 to 2025-03-04
WAP-18	Sulfate	mg/L	23	0	0	1160	6.69	611	750	370	60.5	NA	2015-11-11 to 2025-02-27
WAP-19	Sulfate	mg/L	23	0	0	1810	441	957	837	400	42	NA	2015-11-11 to 2025-03-04
WAP-9	Sulfate	mg/L	26	0	0	602	82.2	218	171.2	150	67.8	NA	2015-11-11 to 2025-02-25
WBW-1	Sulfate	mg/L	23	0	0	14.4	4.26	6.56	5.35	2.6	38.9	NA	2015-11-10 to 2025-02-18
WLF-A2-1	Sulfate	mg/L	15	0	0	739	119	325	278	190	57.2	NA	2022-02-24 to 2025-03-04
WLF-A2-2	Sulfate	mg/L	15	0	0	552	166	336	342	120	36.7	NA	2022-02-23 to 2025-03-04
WLF-A2-6	Sulfate	mg/L	16	0	0	292	11.5	104	60.6	95	90.9	NA	2021-04-08 to 2025-02-27
WAP-1	Total Dissolved Solids (TDS)	mg/L	27	1	4	234	18	66.5	55	43	65	100 - 100	2015-11-10 to 2025-02-18
WAP-17	Total Dissolved Solids (TDS)	mg/L	24	0	0	3140	812	1.56e+03	1589	460	29.3	NA	2015-11-11 to 2025-03-04
WAP-18	Total Dissolved Solids (TDS)	mg/L	23	0	0	2182	328	1.29e+03	1452	640	49.4	NA	2015-11-11 to 2025-02-27
WAP-19	Total Dissolved Solids (TDS)	mg/L	23	0	0	2891	1.11e+03	1.84e+03	1596	540	29.6	NA	2015-11-11 to 2025-03-04
WAP-9	Total Dissolved Solids (TDS)	mg/L	26	0	0	2745	711	1.01e+03	866.9	430	42.4	NA	2015-11-11 to 2025-02-25
WBW-1	Total Dissolved Solids (TDS)	mg/L	22	4	18	292.5	8	54.6	32.9	62	114	25 - 33.3	2015-11-10 to 2025-02-18
WLF-A2-1	Total Dissolved Solids (TDS)	mg/L	15	0	0	2125	306	859	715	540	62.8	NA	2022-02-24 to 2025-03-04
WLF-A2-2	Total Dissolved Solids (TDS)	mg/L	15	0	0	1281	434	826	880	290	34.9	NA	2022-02-23 to 2025-03-04
WLF-A2-6	Total Dissolved Solids (TDS)	mg/L	16	0	0	947.5	456	634	594.4	150	24.2	NA	2021-04-08 to 2025-02-27
WAP-1	pH, Field	pH units	26	0	0	7.61	3.68	4.65	4.545	0.76	16.3	NA	2015-11-10 to 2025-02-18
WAP-17	pH, Field	pH units	25	0	0	6.35	5.78	6.06	6.04	0.16	2.63	NA	2015-11-11 to 2025-03-04
WAP-18	pH, Field	pH units	25	0	0	6.8	5.21	6.15	6.31	0.49	7.98	NA	2015-11-11 to 2025-02-27
WAP-19	pH, Field	pH units	26	0	0	6.81	5.79	6.26	6.32	0.22	3.59	NA	2015-11-11 to 2025-03-04
WAP-9	pH, Field	pH units	26	0	0	6.34	5.68	5.95	5.94	0.16	2.75	NA	2015-11-11 to 2025-02-25
WBW-1	pH, Field	pH units	24	0	0	4.77	3.55	4.14	4.11	0.26	6.18	NA	2015-11-10 to 2025-02-18
WLF-A2-1	pH, Field	pH units	15	0	0	5.7	4.48	5.13	5.18	0.42	8.13	NA	2022-02-24 to 2025-03-04
WLF-A2-2	pH, Field	pH units	15	0	0	6.04	5.43	5.79	5.79	0.18	3.15	NA	2022-02-23 to 2025-03-04
WLF-A2-6	pH, Field	pH units	16	0	0	6.6	5.99	6.41	6.42	0.16	2.56	NA	2021-04-08 to 2025-02-27

Note:

NA = not applicable, constituent detected in all reported samples.

Table A-2. Results of Shapiro-Wilk Test for Normality

		Shapiro-Wilk Test for Normality (R programming, package = stats, version 4.3.3, function = shapiro.test, non-detects substituted by 0.5*reporting limit)					
Location	Constituent	W statistic	p-value	Sample Count (n)	Non-Detect Count (n)	Data Normality (significance level = 0.05)	Data Normality (significance level = 0.01)
WAP-1	Boron	0.892	0.018	23	0	Not normal	Normal
WAP-17	Boron	0.721	2e-05	24	0	Not normal	Not normal
WAP-18	Boron	0.876	0.01	22	0	Not normal	Normal
WAP-19	Boron	0.908	0.042	22	0	Not normal	Normal
WAP-9	Boron	0.896	0.029	21	0	Not normal	Normal
WBW-1	Boron	0.604	1e-06	23	9	Not normal	Not normal
WLF-A2-1	Boron	0.842	0.013	15	0	Not normal	Normal
WLF-A2-2	Boron	0.754	0.001	15	0	Not normal	Not normal
WLF-A2-6	Boron	0.746	0.00057	16	0	Not normal	Not normal
WAP-1	Calcium	0.648	1.1e-06	26	2	Not normal	Not normal
WAP-17	Calcium	0.937	0.14	24	0	Normal	Normal
WAP-18	Calcium	0.895	0.02	23	0	Not normal	Normal
WAP-19	Calcium	0.817	0.00072	23	0	Not normal	Not normal
WAP-9	Calcium	0.712	7.9e-06	26	0	Not normal	Not normal
WBW-1	Calcium	0.223	4.6e-10	23	12	Not normal	Not normal
WLF-A2-1	Calcium	0.817	0.0061	15	0	Not normal	Not normal
WLF-A2-2	Calcium	0.958	0.66	15	0	Normal	Normal
WLF-A2-6	Calcium	0.718	0.00027	16	0	Not normal	Not normal
WAP-1	Chloride	0.952	0.26	26	0	Normal	Normal
WAP-17	Chloride	0.884	0.01	24	0	Not normal	Not normal
WAP-18	Chloride	0.776	0.00016	23	0	Not normal	Not normal
WAP-19	Chloride	0.899	0.024	23	0	Not normal	Normal
WAP-9	Chloride	0.847	0.0012	26	0	Not normal	Not normal
WBW-1	Chloride	0.909	0.038	23	0	Not normal	Normal
WLF-A2-1	Chloride	0.769	0.0015	15	0	Not normal	Not normal
WLF-A2-2	Chloride	0.936	0.34	15	0	Normal	Normal
WLF-A2-6	Chloride	0.763	0.00092	16	0	Not normal	Not normal
WAP-1	Fluoride	0.321	1.5e-09	24	22	Not normal	Not normal
WAP-17	Fluoride	0.818	0.00047	25	13	Not normal	Not normal
WAP-18	Fluoride	0.890	0.014	24	7	Not normal	Normal
WAP-19	Fluoride	0.888	0.012	24	4	Not normal	Normal
WAP-9	Fluoride	0.323	1.6e-09	24	22	Not normal	Not normal
WBW-1	Fluoride	0.209	2.2e-10	24	23	Not normal	Not normal
WLF-A2-1	Fluoride	0.380	4.4e-07	15	13	Not normal	Not normal
WLF-A2-2	Fluoride	0.284	9.8e-08	15	14	Not normal	Not normal
WLF-A2-6	Fluoride	0.935	0.29	16	2	Normal	Normal
WAP-1	Sulfate	0.934	0.096	26	3	Normal	Normal
WAP-17	Sulfate	0.813	0.00048	24	0	Not normal	Not normal
WAP-18	Sulfate	0.890	0.016	23	0	Not normal	Normal
WAP-19	Sulfate	0.811	0.00059	23	0	Not normal	Not normal
WAP-9	Sulfate	0.765	4.7e-05	26	0	Not normal	Not normal
WBW-1	Sulfate	0.750	6.8e-05	23	0	Not normal	Not normal
WLF-A2-1	Sulfate	0.869	0.032	15	0	Not normal	Normal
WLF-A2-2	Sulfate	0.925	0.23	15	0	Normal	Normal
WLF-A2-6	Sulfate	0.792	0.0021	16	0	Not normal	Not normal
WAP-1	Total Dissolved Solids (TDS)	0.750	2.1e-05	27	1	Not normal	Not normal
WAP-17	Total Dissolved Solids (TDS)	0.876	0.007	24	0	Not normal	Not normal
WAP-18	Total Dissolved Solids (TDS)	0.855	0.0034	23	0	Not normal	Not normal
WAP-19	Total Dissolved Solids (TDS)	0.797	0.00035	23	0	Not normal	Not normal
WAP-9	Total Dissolved Solids (TDS)	0.630	6.6e-07	26	0	Not normal	Not normal
WBW-1	Total Dissolved Solids (TDS)	0.626	2.5e-06	22	4	Not normal	Not normal

		Shapiro-Wilk Test for Normality (R programming, package = stats, version 4.3.3, function = shapiro.test, non-detects substituted by 0.5*reporting limit)					
Location	Constituent	W statistic	p-value	Sample Count (n)	Non-Detect Count (n)	Data Normality (significance level = 0.05)	Data Normality (significance level = 0.01)
WLF-A2-1	Total Dissolved Solids (TDS)	0.800	0.0036	15	0	Not normal	Not normal
WLF-A2-2	Total Dissolved Solids (TDS)	0.934	0.31	15	0	Normal	Normal
WLF-A2-6	Total Dissolved Solids (TDS)	0.831	0.0072	16	0	Not normal	Not normal
WAP-1	pH, Field	0.689	3.8e-06	26	0	Not normal	Not normal
WAP-17	pH, Field	0.958	0.37	25	0	Normal	Normal
WAP-18	pH, Field	0.890	0.011	25	0	Not normal	Normal
WAP-19	pH, Field	0.952	0.26	26	0	Normal	Normal
WAP-9	pH, Field	0.954	0.29	26	0	Normal	Normal
WBW-1	pH, Field	0.955	0.35	24	0	Normal	Normal
WLF-A2-1	pH, Field	0.919	0.19	15	0	Normal	Normal
WLF-A2-2	pH, Field	0.949	0.51	15	0	Normal	Normal
WLF-A2-6	pH, Field	0.920	0.17	16	0	Normal	Normal

Table A-3. Results of Rosner/Dixon Test for Outliers

				Rosner or Dixon Test for Outliers (R programming, package = outliers, version 0.15, function = dixon.test or rosnerTest, non-detects substituted by reporting limit)						
Location	Constituent	n	n, non-detects	Outlier Test	statistic	p-value (Dixon)	critical value (Rosner)	n of statistical outliers (significance level = 0.05, Rosner)	statistical outlier (significance level = 0.05, Dixon)	outlier removed
WAP-1	Boron	23	0	Dixon	0.4268	0.09107	NA	NA	No	No
WAP-17	Boron	24	0	Dixon	0.6925	0	NA	NA	Yes	No
WAP-18	Boron	22	0	Dixon	0.06893	0.1613	NA	NA	No	No
WAP-19	Boron	22	0	Dixon	0.5294	0.01395	NA	NA	Yes	No
WAP-9	Boron	21	0	Dixon	0.2929	0.5699	NA	NA	No	No
WBW-1	Boron	23	9	Dixon	0.6471	0	NA	NA	Yes	No
WLF-A2-1	Boron	15	0	Dixon	0.3829	0.4724	NA	NA	No	No
WLF-A2-2	Boron	15	0	Dixon	0.1159	0.2256	NA	NA	No	No
WLF-A2-6	Boron	16	0	Dixon	0.7425	0	NA	NA	Yes	No
WAP-1	Calcium	26	2	Rosner	4.092, 2.281, 2.321	NA	2.841, 2.822, 2.802	1	NA	No
WAP-17	Calcium	24	0	Dixon	0.5102	0.01454	NA	NA	Yes	No
WAP-18	Calcium	23	0	Dixon	0.4745	0.03795	NA	NA	Yes	No
WAP-19	Calcium	23	0	Dixon	0.4589	0.05205	NA	NA	No	No
WAP-9	Calcium	26	0	Rosner	3.333, 2.824, 2.915	NA	2.841, 2.822, 2.802	3	NA	No
WBW-1	Calcium	23	12	Dixon	0.9943	0	NA	NA	Yes	No
WLF-A2-1	Calcium	15	0	Dixon	0.3902	0.4442	NA	NA	No	No
WLF-A2-2	Calcium	15	0	Dixon	0.4259	0.3214	NA	NA	No	No
WLF-A2-6	Calcium	16	0	Dixon	0.009524	0	NA	NA	Yes	No
WAP-1	Chloride	26	0	Rosner	2.005, 1.663, 1.572	NA	2.841, 2.822, 2.802	0	NA	No
WAP-17	Chloride	24	0	Dixon	0.51	0.01461	NA	NA	Yes	No
WAP-18	Chloride	23	0	Dixon	0.1165	0.4201	NA	NA	No	No
WAP-19	Chloride	23	0	Dixon	0.431	0.08513	NA	NA	No	No
WAP-9	Chloride	26	0	Rosner	2.465, 2.253, 2.602	NA	2.841, 2.822, 2.802	0	NA	No
WBW-1	Chloride	23	0	Dixon	0.4704	0.04138	NA	NA	Yes	No
WLF-A2-1	Chloride	15	0	Dixon	0.3905	0.4427	NA	NA	No	No
WLF-A2-2	Chloride	15	0	Dixon	0.3063	0.8288	NA	NA	No	No
WLF-A2-6	Chloride	16	0	Dixon	0.1308	0.3154	NA	NA	No	No
WAP-1	Fluoride	24	22	Dixon	1	0	NA	NA	Yes	No
WAP-17	Fluoride	25	13	Dixon	0.4091	0.09497	NA	NA	No	No
WAP-18	Fluoride	24	7	Dixon	0.2614	0.6344	NA	NA	No	No
WAP-19	Fluoride	24	4	Dixon	0.3	0.444	NA	NA	No	No
WAP-9	Fluoride	24	22	Dixon	1	0	NA	NA	Yes	No
WBW-1	Fluoride	24	23	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WLF-A2-1	Fluoride	15	13	Dixon	1	0	NA	NA	Yes	No
WLF-A2-2	Fluoride	15	14	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WLF-A2-6	Fluoride	16	2	Dixon	0.1	0.1851	NA	NA	No	No
WAP-1	Sulfate	26	3	Rosner	2.245, 1.818, 1.748	NA	2.841, 2.822, 2.802	0	NA	No
WAP-17	Sulfate	24	0	Dixon	0.6493	0	NA	NA	Yes	No
WAP-18	Sulfate	23	0	Dixon	0.1237	0.4625	NA	NA	No	No
WAP-19	Sulfate	23	0	Dixon	0.1684	0.7433	NA	NA	No	No
WAP-9	Sulfate	26	0	Rosner	2.596, 2.946, 3.438	NA	2.841, 2.822, 2.802	3	NA	No
WBW-1	Sulfate	23	0	Dixon	0.3634	0.23	NA	NA	No	No
WLF-A2-1	Sulfate	15	0	Dixon	0.2474	0.8692	NA	NA	No	No
WLF-A2-2	Sulfate	15	0	Dixon	0.1073	0.1941	NA	NA	No	No
WLF-A2-6	Sulfate	16	0	Dixon	0.1349	0.3348	NA	NA	No	No
WAP-1	Total Dissolved Solids (TDS)	27	1	Rosner	3.872, 2.681, 1.797	NA	2.859, 2.841, 2.822	1	NA	No
WAP-17	Total Dissolved Solids (TDS)	24	0	Dixon	0.5829	0	NA	NA	Yes	No
WAP-18	Total Dissolved Solids (TDS)	23	0	Dixon	0.03257	0.03682	NA	NA	Yes	No
WAP-19	Total Dissolved Solids (TDS)	23	0	Dixon	0.04932	0.101	NA	NA	No	No
WAP-9	Total Dissolved Solids (TDS)	26	0	Rosner	4.022, 3.013, 3.146	NA	2.841, 2.822, 2.802	3	NA	No
WBW-1	Total Dissolved Solids (TDS)	22	4	Dixon	0.7558	0	NA	NA	Yes	No
WLF-A2-1	Total Dissolved Solids (TDS)	15	0	Dixon	0.3913	0.4396	NA	NA	No	No

Rosner or Dixon Test for Outliers (R programming, package = outliers, version 0.15, function = dixon.test or rosnerTest, non-detects substituted by reporting limit)

Location	Constituent	n	n, non-detects	Outlier Test	statistic	p-value (Dixon)	critical value (Rosner)	n of statistical outliers (significance level = 0.05, Rosner)	statistical outlier (significance level = 0.05, Dixon)	outlier removed
WLF-A2-2	Total Dissolved Solids (TDS)	15	0	Dixon	0.1134	0.2161	NA	NA	No	No
WLF-A2-6	Total Dissolved Solids (TDS)	16	0	Dixon	0.171	0.5192	NA	NA	No	No
WAP-1	pH, Field	26	0	Rosner	3.91, 3.559, 2.47	NA	2.841, 2.822, 2.802	2	NA	No
WAP-17	pH, Field	25	0	Dixon	0.03774	0.07406	NA	NA	No	No
WAP-18	pH, Field	25	0	Dixon	0.1103	0.4151	NA	NA	No	No
WAP-19	pH, Field	26	0	Rosner	2.452, 2.256, 2.103	NA	2.841, 2.822, 2.802	0	NA	No
WAP-9	pH, Field	26	0	Rosner	2.357, 2.466, 1.919	NA	2.841, 2.822, 2.802	0	NA	No
WBW-1	pH, Field	24	0	Dixon	0.2706	0.5868	NA	NA	No	No
WLF-A2-1	pH, Field	15	0	Dixon	0.06364	0.06658	NA	NA	No	No
WLF-A2-2	pH, Field	15	0	Dixon	0.3704	0.5239	NA	NA	No	No
WLF-A2-6	pH, Field	16	0	Dixon	0.4833	0.1393	NA	NA	No	No

Table A-4. Results of Mann Kendall and Thiel Sen Trend Tests

		Mann Kendall Trends		Secular Trend Evaluation for All Data Mann-Kendall Test (R programming, package = Kendall, version = 2.2.1, function = MannKendall, non-detects substituted by 0.5*reporting limit)							Secular Trend Evaluation for Recent Data (subset of 8 most recent data points) Mann-Kendall Test (R programming, package = Kendall, version = 2.2.1, function = MannKendall, non-detects substituted by 0.5*reporting limit)						
Location	Constituent	Trends, All Data	Trends, Recent Data	n	n, detected results	Coefficient of Variance	Kendall's Tau	p-value	Confidence Factor	Kendall Score (S)	n	n, detected results	recent data date range	Coefficient of Variance	Kendall's Tau	p-value	Confidence Factor	Kendall Score (S)
WAP-1	Boron	No Trend	No Trend	23	23	0.311	0.0878	0.578	42.2	22	8	8	2019-05-30 to 2025-02-18	0.267	0.296	0.379	62.1	8
WAP-17	Boron	Decreasing	No Trend	24	24	0.474	-0.417	0.00468	99.5	-115	8	8	2020-02-05 to 2025-03-04	0.0981	0.357	0.266	73.4	10
WAP-18	Boron	Decreasing	Decreasing	22	22	0.698	-0.331	0.0342	96.6	-76	8	8	2018-09-17 to 2025-02-27	0.606	-0.643	0.0354	96.5	-18
WAP-19	Boron	No Trend	Increasing	22	22	0.2	0.214	0.175	82.5	49	8	8	2018-09-17 to 2025-03-04	0.062	0.889	0.00385	99.6	24
WAP-9	Boron	Decreasing	Stable	21	21	0.175	-0.536	0.000794	99.9	-112	8	8	2018-06-05 to 2025-02-25	0.182	-0.0364	1	0	-1
WBW-1	Boron	No Trend	No Trend	23	14	1.27	0.18	0.251	74.9	44	8	7	2019-05-30 to 2025-02-18	1.16	0.143	0.711	28.9	4
WLF-A2-1	Boron	Stable	Stable	15	15	0.548	-0.325	0.102	89.8	-34	8	8	2022-05-17 to 2025-03-04	0.407	-0.429	0.174	82.6	-12
WLF-A2-2	Boron	Stable	Decreasing	15	15	0.423	-0.162	0.428	57.2	-17	8	8	2022-05-17 to 2025-03-04	0.088	-0.714	0.0187	98.1	-20
WLF-A2-6	Boron	Stable	No Trend	16	16	0.289	-0.235	0.223	77.7	-28	8	8	2021-09-28 to 2025-02-27	0.172	0.143	0.711	28.9	4
WAP-1	Calcium	Increasing	No Trend	26	24	1.28	0.361	0.0105	99	117	8	8	2019-05-30 to 2025-02-18	0.566	0.286	0.386	61.4	8
WAP-17	Calcium	Decreasing	Increasing	24	24	0.305	-0.377	0.0106	98.9	-104	8	8	2020-02-05 to 2025-03-04	0.185	0.643	0.0354	96.5	18
WAP-18	Calcium	Decreasing	Stable	23	23	0.626	-0.652	0.0000148	100	-165	8	8	2019-06-05 to 2025-02-27	0.832	-0.143	0.711	28.9	-4
WAP-19	Calcium	No Trend	Increasing	23	23	0.436	0.143	0.355	64.5	36	8	8	2019-06-06 to 2025-03-04	0.378	0.786	0.00937	99.1	22
WAP-9	Calcium	No Trend	Probably Increasing	26	26	0.428	0.219	0.123	87.7	71	8	8	2019-05-30 to 2025-02-25	0.309	0.571	0.0635	93.7	16
WBW-1	Calcium	Increasing	Stable	23	11	4.54	0.565	0.00048	100	123	8	8	2019-05-30 to 2025-02-18	0.313	-0.0714	0.902	9.8	-2
WLF-A2-1	Calcium	Stable	Stable	15	15	0.563	-0.238	0.235	76.5	-25	8	8	2022-05-17 to 2025-03-04	0.329	0	1	0	0
WLF-A2-2	Calcium	Stable	Stable	15	15	0.244	-0.0766	0.729	27.1	-8	8	8	2022-05-17 to 2025-03-04	0.127	-0.327	0.319	68.1	-9
WLF-A2-6	Calcium	Increasing	Increasing	16	16	0.28	0.524	0.00637	99.4	61	8	8	2021-09-28 to 2025-02-27	0.283	0.889	0.00385	99.6	24
WAP-1	Chloride	Increasing	Stable	26	26	0.294	0.376	0.00764	99.2	122	8	8	2019-05-30 to 2025-02-18	0.191	-0.0714	0.902	9.8	-2
WAP-17	Chloride	Decreasing	No Trend	24	24	0.646	-0.522	0.00039	100	-144	8	8	2020-02-05 to 2025-03-04	0.266	0.214	0.536	46.4	6
WAP-18	Chloride	Stable	Stable	23	23	0.929	-0.182	0.234	76.6	-46	8	8	2019-06-05 to 2025-02-27	0.438	-0.0714	0.902	9.8	-2
WAP-19	Chloride	Decreasing	Stable	23	23	0.636	-0.737	0.00000102	100	-186	8	8	2019-06-06 to 2025-03-04	0.519	-0.473	0.135	86.5	-13
WAP-9	Chloride	Stable	Probably Increasing	26	26	0.33	-0.229	0.107	89.3	-74	8	8	2019-05-30 to 2025-02-25	0.354	0.571	0.0635	93.7	16
WBW-1	Chloride	Increasing	Stable	23	23	0.459	0.317	0.0369	96.3	80	8	8	2019-05-30 to 2025-02-18	0.4	-0.286	0.386	61.4	-8
WLF-A2-1	Chloride	Decreasing	Stable	15	15	0.982	-0.6	0.00215	99.8	-63	8	8	2022-05-17 to 2025-03-04	0.705	-0.5	0.108	89.2	-14
WLF-A2-2	Chloride	Stable	Decreasing	15	15	0.601	-0.314	0.113	88.7	-33	8	8	2022-05-17 to 2025-03-04	0.476	-0.929	0.00198	99.8	-26
WLF-A2-6	Chloride	Increasing	Increasing	16	16	1.03	0.733	0.0000896	100	88	8	8	2021-09-28 to 2025-02-27	0.565	0.857	0.00443	99.6	24
WAP-1	Fluoride	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	24	2	0.421	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0	NA	NA	NA	NA
WAP-17	Fluoride	Probably Decreasing	Not Evaluated - No detected results.	25	12	0.713	-0.28	0.0696	93	-74	8	0	2020-02-05 to 2025-03-04	0.126	NA	NA	NA	NA
WAP-18	Fluoride	Stable	No Trend	24	17	0.851	-0.147	0.339	66.1	-39	8	2	2019-06-05 to 2025-02-27	2.36	-0.0524	1	0	-1
WAP-19	Fluoride	Increasing	No Trend	24	20	0.662	0.428	0.00443	99.6	115	8	8	2019-06-06 to 2025-03-04	0.515	0.214	0.536	46.4	6
WAP-9	Fluoride	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - Only one detected result.	24	2	0.286	NA	NA	NA	NA	8	1	2019-05-30 to 2025-02-25	0.314	NA	NA	NA	NA
WBW-1	Fluoride	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	24	1	0.196	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0	NA	NA	NA	NA
WLF-A2-1	Fluoride	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - Only one detected result.	15	2	0.725	NA	NA	NA	NA	8	1	2022-05-17 to 2025-03-04	0.314	NA	NA	NA	NA
WLF-A2-2	Fluoride	Not Evaluated - Only one detected result.	Not Evaluated - Only one detected result.	15	1	0.878	NA	NA	NA	NA	8	1	2022-05-17 to 2025-03-04	1	NA	NA	NA	NA
WLF-A2-6	Fluoride	Stable	Stable	16	14	0.438	-0.211	0.278	72.2	-25	8	6	2021-09-28 to 2025-02-27	0.574	-0.473	0.135	86.5	-13
WAP-1	Sulfate	Increasing	No Trend	26	23	0.734	0.538	0.000135	100	174	8	8	2019-05-30 to 2025-02-18	0.214	0.5	0.108	89.2	14
WAP-17	Sulfate	Probably Decreasing	Increasing	24	24	0.376	-0.272	0.0663	93.4	-75	8	8	2020-02-05 to 2025-03-04	0.139	0.714	0.0187	98.1	20
WAP-18	Sulfate	Decreasing	Stable	23	23	0.605	-0.665	0.0000102	100	-168	8	8	2019-06-05 to 2025-02-27	0.855	-0.255	0.454	54.6	-7
WAP-19	Sulfate	Probably Increasing	Increasing	23	23	0.42	0.257	0.091	90.9	65	8	8	2019-06-06 to 2025-03-04	0.398	0.714	0.0187	98.1	20
WAP-9	Sulfate	Probably Increasing	Increasing	26	26	0.678	0.243	0.0856	91.4	79	8	8	2019-05-30 to 2025-02-25	0.497	0.714	0.0187	98.1	20
WBW-1	Sulfate	Increasing	No Trend	23	23	0.389	0.512	0.000717	99.9	129	8	8	2019-05-30 to 2025-02-18	0.324	0.0364	1	0	1
WLF-A2-1	Sulfate	Stable	Stable	15	15	0.572	-0.276	0.166	83.4	-29	8	8	2022-05-17 to 2025-03-04	0.485	-0.429	0.174	82.6	-12
WLF-A2-2	Sulfate	Stable	Stable	15	15	0.367	-0.0857	0.692	30.8	-9	8	8	2022-05-17 to 2025-03-04	0.163	-0.214	0.536	46.4	-6
WLF-A2-6	Sulfate	Increasing	Probably Increasing	16	16	0.909	0.633	0.000734	99.9	76	8	8	2021-09-28 to 2025-02-27	0.586	0.571	0.0635	93.7	16
WAP-1	Total Dissolved Solids (TDS)	Increasing	Stable	27	26	0.662	0.28	0.0431	95.7	98	8	8	2019-05-30 to 2025-02-18	0.246	0	1	0	0
WAP-17	Total Dissolved Solids (TDS)	Decreasing	No Trend	24	24	0.293	-0.417	0.00468	99.5	-115	8	8	2020-02-05 to 2025-03-04	0.109	0.5	0.108	89.2	14
WAP-18	Total Dissolved Solids (TDS)	Decreasing	Stable	23	23	0.494	-0.636	0.0000238	100	-161	8	8	2019-06-05 to 2025-02-27	0.687	-0.214	0.536	46.4	-6
WAP-19	Total Dissolved Solids (TDS)	No Trend	Increasing	23	23	0.296	0.178	0.245	75.5	45	8	8	2019-06-06 to 2025-03-04	0.318	0.714	0.0187	98.1	20
WAP-9	Total Dissolved Solids (TDS)	No Trend	No Trend	26	26	0.424	0.126	0.378	62.2	41	8	8	2019-05-30 to 2025-02-25	0.414	0.286	0.386	61.4	8
WBW-1	Total Dissolved Solids (TDS)	No Trend	No Trend	22	18	1.22	0.258	0.101	89.9	59	8	7	2019-05-30 to 2025-02-18	1.08	-0.5	0.108	89.2	-14
WLF-A2-1	Total Dissolved Solids (TDS)	Probably Decreasing	Stable	15	15	0.628	-0.352	0.0748	92.5	-37	8	8	2022-05-17 to 2025-03-04	0.33	-0.286	0.386	61.4	-8
WLF-A2-2	Total Dissolved Solids (TDS)	Stable	Decreasing	15	15	0.349	-0.162	0.428	57.2	-17	8	8	2022-05-17 to 2025-03-04	0.207	-0.643	0.0354	96.5	-18
WLF-A2-6	Total Dissolved Solids (TDS)	Probably Increasing	Increasing	16	16	0.242	0.317	0.0957	90.4	38	8	8	2021-09-28 to 2025-02-27	0.275	0.714	0.0187	98.1	20
WAP-1	pH, Field	No Trend	No Trend	26	26	0.163	0.031	0.843	15.7	10	8	8	2019-05-30 to 2025-02-18	0.0285	0.143	0.711	28.9	4
WAP-17	pH, Field	No Trend	Stable	25	25	0.0263	0.141	0.337	66.3	42	8	8	2020-02-05 to 2025-03-04	0.041	-0.327	0.319	68.1	-9
WAP-18	pH, Field	Decreasing	No Trend	25	25	0.0798	-0.287	0.0471	95.3	-86	8	8	2019-06-05 to 2025-02-27	0.0399	0.143	0.711	28.9	4
WAP-19	pH, Field	No Trend	Stable	26	26	0.0359	0.105	0.466	53.4	34	8	8	2020-02-04 to 2025-03-04	0.0516	-0.214	0.536	46.4	-6
WAP-9	pH, Field	Increasing	No Trend	26	26	0.0275	0.488	0.000573	99.9	157	8	8	2019-05-30 to 2025-02-25	0.0271	0.286	0.386	61.4	8
WBW-1	pH, Field	No Trend	Stable	24	24	0.0618	0.215	0.15	85	59	8	8	2019-05-30 to 2025-02-18	0.0704	-0.182	0.618	38.2	-5
WLF-A2-1	pH, Field	Probably Decreasing	No Trend	15	15	0.0813	-0.375	0.0594	94.1	-39	8	8	2022-05-17 to 2025-03-04	0.0822	0.4	0.212	78.8	11
WLF-A2-2	pH, Field	Increasing	No Trend	15	15	0.0315	0.459	0.0199	98	48	8	8	2022-05-17 to 2025-03-04	0.0233	0.286	0.386	61.4	8
WLF-A2-6	pH, Field	Probably Decreasing	No Trend	16	16	0.0256	-0.336	0.0785	92.2	-40	8	8	2021-09-28 to 2025-02-27	0.0313	0.0364	1	0	1

Note:

Mann Kendall Trends are classified based on Aziz (2003) guidance.

Table A-5. Intrawell Prediction Limit Calculations

			Baseline Data Characterization [a]											Prediction Limits			95% Confidence Parametric Prediction Limit Calculation Details					Non-Parametric Prediction Limit Calculation Details	
Location	Constituent	Units	Baseline Distribution [a]	Prediction Interval Calculation	min baseline sample date	max baseline sample sample	n	n, non-detects	max	min	mean	standard deviation	Trend (Baseline Data)	Prediction Limit Calculation Method	UPL	LPL	degrees of freedom	future samples (M)	confidence level (%) for M sample comparisons	t (percentile of student's t-test)	t quantile	achieved confidence level (%)	false positive rate (%)
WAP-17	Boron	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-03-04	24	NA	14.2	2.8	5.132	2.434	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	14.2	NA	23	4	NA	NA	NA	85.7	14.3
WAP-18	Boron	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	22	NA	8.2	0.799	3.859	2.694	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	12.49	NA	21	4	99.75	0.9975	3.135	NA	NA
WAP-19	Boron	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-03-04	22	NA	6.19	1.99	4.081	0.8148	No Trend	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.693	NA	21	4	99.75	0.9975	3.135	NA	NA
WAP-9	Boron	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-25	21	NA	5.8	2.63	4.782	0.8385	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	7.489	NA	20	4	99.75	0.9975	3.153	NA	NA
WLF-A2-1	Boron	mg/L	Normal at 99% confidence	Parametric	2022-02-24	2025-03-04	15	NA	5.5	1.14	2.431	1.333	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	7.009	NA	14	4	99.75	0.9975	3.326	NA	NA
WLF-A2-2	Boron	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-23	2025-03-04	15	NA	5.04	1.36	2.696	1.14	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	5.04	NA	14	4	NA	NA	NA	78.9	21.1
WLF-A2-6	Boron	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	0.74	0.245	0.3805	0.1101	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.74	NA	15	4	NA	NA	NA	80	20
WAP-17	Calcium	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-03-04	24	NA	580	136	301.3	92.01	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	592.8	NA	23	4	99.75	0.9975	3.104	NA	NA
WAP-18	Calcium	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	23	NA	870	52.3	319.9	200.2	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	957.7	NA	22	4	99.75	0.9975	3.119	NA	NA
WAP-19	Calcium	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-03-04	23	NA	970	201	427.9	186.6	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	970	NA	22	4	NA	NA	NA	85.2	14.8
WAP-9	Calcium	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	26	NA	453	121	186.7	79.91	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	453	NA	25	4	NA	NA	NA	86.7	13.3
WLF-A2-1	Calcium	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-24	2025-03-04	15	NA	353	62.2	148	83.32	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	353	NA	14	4	NA	NA	NA	78.9	21.1
WLF-A2-2	Calcium	mg/L	Normal at 99% confidence	Parametric	2022-02-23	2025-03-04	15	NA	238	98.8	167.1	40.7	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	306.9	NA	14	4	99.75	0.9975	3.326	NA	NA
WLF-A2-6	Calcium	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	235	117	155.2	43.44	Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	235	NA	15	4	NA	NA	NA	80	20
WAP-17	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-03-04	24	NA	769	45.3	261.4	168.8	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	769	NA	23	4	NA	NA	NA	85.7	14.3
WAP-18	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-27	23	NA	260	7.63	84.7	78.69	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	260	NA	22	4	NA	NA	NA	85.2	14.8
WAP-19	Chloride	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-03-04	23	NA	375	31.1	143.9	91.44	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	435.2	NA	22	4	99.75	0.9975	3.119	NA	NA
WAP-9	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	26	NA	229	77.7	126.3	41.66	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	229	NA	25	4	NA	NA	NA	86.7	13.3

Note:

[a] `Baseline` data refer to the entire statistical dataset, except the most recent data point. Baseline datasets were re-tested for outliers, secular trends, and data normality. No outliers were removed.

Prediction limits calculated using simple replacement with the reporting limit for non-detect results.

UPL = Upper Prediction Limit. LPL = Lower Prediction Limit, calculated for pH, Field only.

			Baseline Data Characterization [a]											Prediction Limits			95% Confidence Parametric Prediction Limit Calculation Details					Non-Parametric Prediction Limit Calculation Details	
Location	Constituent	Units	Baseline Distribution [a]	Prediction Interval Calculation	min baseline sample date	max baseline sample sample	n	n, non-detects	max	min	mean	standard deviation	Trend (Baseline Data)	Prediction Limit Calculation Method	UPL	LPL	degrees of freedom	future samples (M)	confidence level (%) for M sample comparisons	t (percentile of student's t-test)	t quantile	achieved confidence level (%)	false positive rate (%)
WLF-A2-1	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-24	2025-03-04	15	NA	491	17.3	153.4	150.7	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	491	NA	14	4	NA	NA	NA	78.9	21.1
WLF-A2-2	Chloride	mg/L	Normal at 99% confidence	Parametric	2022-02-23	2025-03-04	15	NA	188	17.6	84.93	51.05	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	260.3	NA	14	4	99.75	0.9975	3.326	NA	NA
WLF-A2-6	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	79.9	5.31	26.34	27.16	Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	79.9	NA	15	4	NA	NA	NA	80	20
WAP-17	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-03-04	25	13	0.32	0.066	0.1382	0.0612	Probably Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.32	NA	24	4	NA	NA	NA	86.2	13.8
WAP-18	Fluoride	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	24	7	2.51	0.1	0.9005	0.7371	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	3.236	NA	23	4	99.75	0.9975	3.104	NA	NA
WAP-19	Fluoride	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-03-04	24	4	0.6	0.1	0.2404	0.1443	Increasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	0.6975	NA	23	4	99.75	0.9975	3.104	NA	NA
WAP-9	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	24	22	0.11	0.1	0.1004	0.002041	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.11	NA	23	4	NA	NA	NA	85.7	14.3
WLF-A2-1	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-24	2025-03-04	15	13	0.23	0.1	0.1087	0.03357	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.23	NA	14	4	NA	NA	NA	78.9	21.1
WLF-A2-2	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-23	2025-03-04	15	14	0.27	0.1	0.1113	0.04389	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.27	NA	14	4	NA	NA	NA	78.9	21.1
WLF-A2-6	Fluoride	mg/L	Normal at 99% confidence	Parametric	2021-04-08	2025-02-27	16	2	0.31	0.1	0.1986	0.07407	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	0.4495	NA	15	4	99.75	0.9975	3.286	NA	NA
WAP-17	Sulfate	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-03-04	24	NA	1810	348	759.9	285.4	Probably Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	1810	NA	23	4	NA	NA	NA	85.7	14.3
WAP-18	Sulfate	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	23	NA	1160	6.69	610.6	369.3	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	1787	NA	22	4	99.75	0.9975	3.119	NA	NA
WAP-19	Sulfate	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-03-04	23	NA	1810	441	957.4	402.5	Probably Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	1810	NA	22	4	NA	NA	NA	85.2	14.8
WAP-9	Sulfate	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	26	NA	602	82.2	218.1	147.9	Probably Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	602	NA	25	4	NA	NA	NA	86.7	13.3
WLF-A2-1	Sulfate	mg/L	Normal at 99% confidence	Parametric	2022-02-24	2025-03-04	15	NA	739	119	325.2	186.1	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	964.3	NA	14	4	99.75	0.9975	3.326	NA	NA
WLF-A2-2	Sulfate	mg/L	Normal at 99% confidence	Parametric	2022-02-23	2025-03-04	15	NA	552	166	336.1	123.3	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	759.7	NA	14	4	99.75	0.9975	3.326	NA	NA
WLF-A2-6	Sulfate	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	292	11.5	104.3	94.81	Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	292	NA	15	4	NA	NA	NA	80	20
WAP-17	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-03-04	24	NA	3140	812.5	1563	458.7	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	3140	NA	23	4	NA	NA	NA	85.7	14.3
WAP-18	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-27	23	NA	2182	327.5	1286	635.1	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	2182	NA	22	4	NA	NA	NA	85.2	14.8

Note:

[a] `Baseline` data refer to the entire statistical dataset, except the most recent data point. Baseline datasets were re-tested for outliers, secular trends, and data normality. No outliers were removed.

Prediction limits calculated using simple replacement with the reporting limit for non-detect results.

UPL = Upper Prediction Limit. LPL = Lower Prediction Limit, calculated for pH, Field only.

			Baseline Data Characterization [a]											Prediction Limits			95% Confidence Parametric Prediction Limit Calculation Details					Non-Parametric Prediction Limit Calculation Details	
Location	Constituent	Units	Baseline Distribution [a]	Prediction Interval Calculation	min baseline sample date	max baseline sample sample	n	n, non-detects	max	min	mean	standard deviation	Trend (Baseline Data)	Prediction Limit Calculation Method	UPL	LPL	degrees of freedom	future samples (M)	confidence level (%) for M sample comparisons	t (percentile of student's t-test)	t quantile	achieved confidence level (%)	false positive rate (%)
WAP-19	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-03-04	23	NA	2891	1110	1835	542.6	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	2891	NA	22	4	NA	NA	NA	85.2	14.8
WAP-9	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	26	NA	2745	711.2	1014	430.3	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	2745	NA	25	4	NA	NA	NA	86.7	13.3
WLF-A2-1	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-24	2025-03-04	15	NA	2125	306.2	859.5	539.6	Probably Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	2125	NA	14	4	NA	NA	NA	78.9	21.1
WLF-A2-2	Total Dissolved Solids (TDS)	mg/L	Normal at 99% confidence	Parametric	2022-02-23	2025-03-04	15	NA	1281	433.8	826	288.7	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	1818	NA	14	4	99.75	0.9975	3.326	NA	NA
WLF-A2-6	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	947.5	456.2	634	153.1	Probably Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	947.5	NA	15	4	NA	NA	NA	80	20
WAP-17	pH, Field	pH units	Normal at 99% confidence	Parametric	2015-11-11	2025-03-04	25	NA	6.35	5.78	6.057	0.1594	No Trend	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.56	5.555	24	4	99.75	0.9975	3.091	NA	NA
WAP-18	pH, Field	pH units	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	25	NA	6.8	5.21	6.155	0.4909	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	7.702	4.608	24	4	99.75	0.9975	3.091	NA	NA
WAP-19	pH, Field	pH units	Normal at 99% confidence	Parametric	2015-11-11	2025-03-04	26	NA	6.81	5.79	6.26	0.2245	No Trend	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.964	5.555	25	4	99.75	0.9975	3.078	NA	NA
WAP-9	pH, Field	pH units	Normal at 99% confidence	Parametric	2015-11-11	2025-02-25	26	NA	6.34	5.68	5.954	0.1639	Increasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.468	5.44	25	4	99.75	0.9975	3.078	NA	NA
WLF-A2-1	pH, Field	pH units	Normal at 99% confidence	Parametric	2022-02-24	2025-03-04	15	NA	5.7	4.48	5.133	0.4173	Probably Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.566	3.699	14	4	99.75	0.9975	3.326	NA	NA
WLF-A2-2	pH, Field	pH units	Normal at 99% confidence	Parametric	2022-02-23	2025-03-04	15	NA	6.04	5.43	5.793	0.1823	Increasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.419	5.166	14	4	99.75	0.9975	3.326	NA	NA
WLF-A2-6	pH, Field	pH units	Normal at 99% confidence	Parametric	2021-04-08	2025-02-27	16	NA	6.6	5.99	6.406	0.1642	Probably Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.963	5.85	15	4	99.75	0.9975	3.286	NA	NA

Note:

[a] `Baseline` data refer to the entire statistical dataset, except the most recent data point. Baseline datasets were re-tested for outliers, secular trends, and data normality. No outliers were removed.

Prediction limits calculated using simple replacement with the reporting limit for non-detect results.

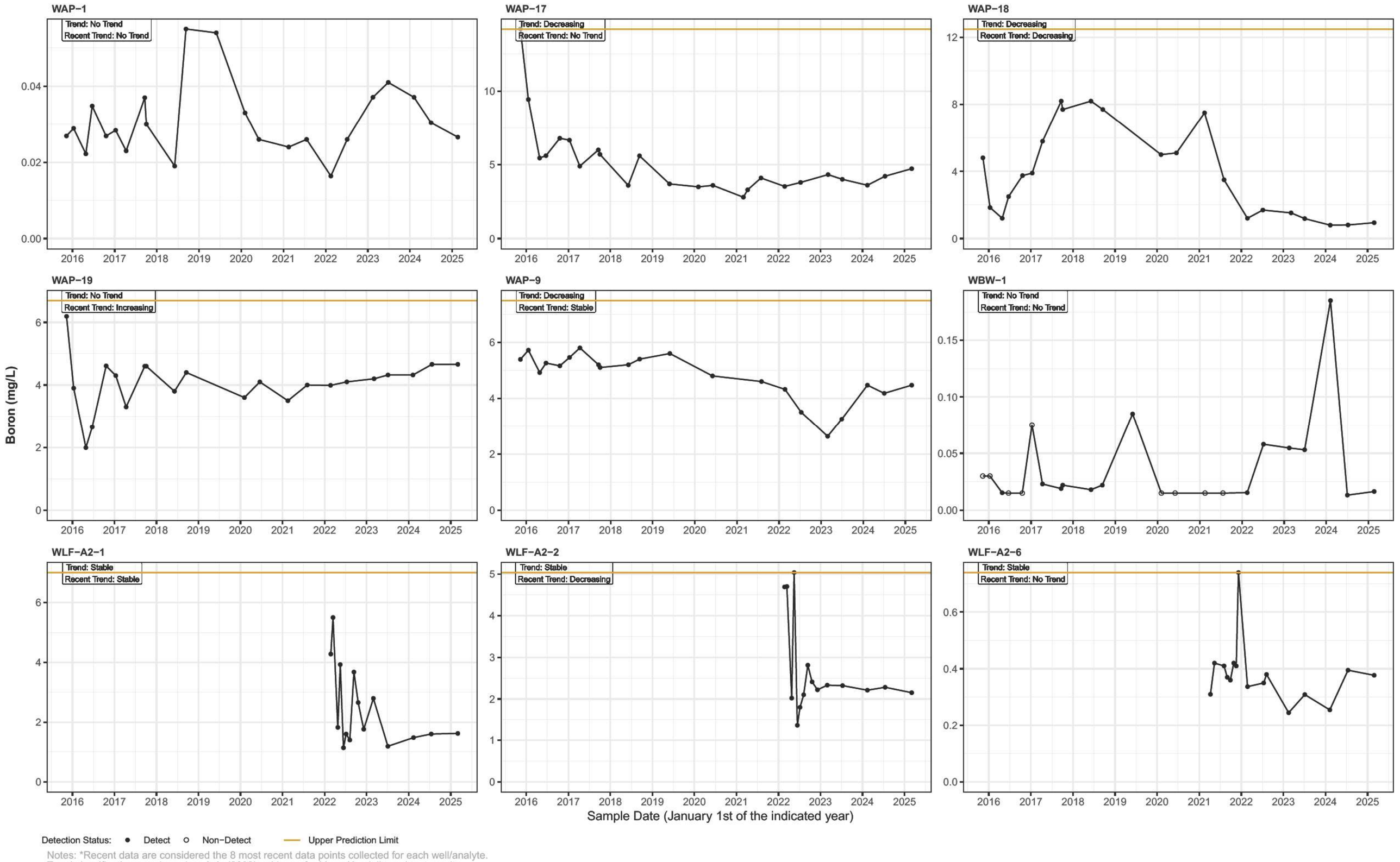
UPL = Upper Prediction Limit. LPL = Lower Prediction Limit, calculated for pH, Field only.

Table A-6. Intrawell Prediction Limit Comparison & Statistically Significant Increases

Location	Constituent	Units	Sample Date	Sample Result	Upper Prediction Limit (UPL)	Lower Prediction Limit (LPL)	Intrawell SSI
WAP-17	Boron	mg/L	2025-03-04	4.73	14.2	NA	No
WAP-18	Boron	mg/L	2025-02-27	0.946	12.5	NA	No
WAP-19	Boron	mg/L	2025-03-04	4.66	6.69	NA	No
WAP-9	Boron	mg/L	2025-02-25	4.47	7.49	NA	No
WLF-A2-1	Boron	mg/L	2025-03-04	1.62	7.01	NA	No
WLF-A2-2	Boron	mg/L	2025-03-04	2.15	5.04	NA	No
WLF-A2-6	Boron	mg/L	2025-02-27	0.377	0.74	NA	No
WAP-17	Calcium	mg/L	2025-03-04	323	592.8	NA	No
WAP-18	Calcium	mg/L	2025-02-27	88.3	957.7	NA	No
WAP-19	Calcium	mg/L	2025-03-04	657	970	NA	No
WAP-9	Calcium	mg/L	2025-02-25	298	453	NA	No
WLF-A2-1	Calcium	mg/L	2025-03-04	112	353	NA	No
WLF-A2-2	Calcium	mg/L	2025-03-04	136	306.9	NA	No
WLF-A2-6	Calcium	mg/L	2025-02-27	235	235	NA	No
WAP-17	Chloride	mg/L	2025-03-04	226	769	NA	No
WAP-18	Chloride	mg/L	2025-02-27	39	260	NA	No
WAP-19	Chloride	mg/L	2025-03-04	45.5	435	NA	No
WAP-9	Chloride	mg/L	2025-02-25	113	229	NA	No
WLF-A2-1	Chloride	mg/L	2025-03-04	45	491	NA	No
WLF-A2-2	Chloride	mg/L	2025-03-04	31.3	260	NA	No
WLF-A2-6	Chloride	mg/L	2025-02-27	70.2	79.9	NA	No
WAP-17	Fluoride	mg/L	2025-03-04	< 0.066	0.32	NA	No
WAP-18	Fluoride	mg/L	2025-02-27	0.132	3.24	NA	No
WAP-19	Fluoride	mg/L	2025-03-04	0.45	0.697	NA	No
WAP-9	Fluoride	mg/L	2025-02-25	< 0.1	0.11	NA	No
WLF-A2-1	Fluoride	mg/L	2025-03-04	< 0.1	0.23	NA	No
WLF-A2-2	Fluoride	mg/L	2025-03-04	< 0.1	0.27	NA	No
WLF-A2-6	Fluoride	mg/L	2025-02-27	0.177	0.449	NA	No
WAP-17	Sulfate	mg/L	2025-03-04	749	1810	NA	No
WAP-18	Sulfate	mg/L	2025-02-27	150	1787	NA	No
WAP-19	Sulfate	mg/L	2025-03-04	1550	1810	NA	No
WAP-9	Sulfate	mg/L	2025-02-25	542	602	NA	No
WLF-A2-1	Sulfate	mg/L	2025-03-04	242	964.3	NA	No
WLF-A2-2	Sulfate	mg/L	2025-03-04	248	759.7	NA	No
WLF-A2-6	Sulfate	mg/L	2025-02-27	257	292	NA	No
WAP-17	Total Dissolved Solids (TDS)	mg/L	2025-03-04	1612	3140	NA	No
WAP-18	Total Dissolved Solids (TDS)	mg/L	2025-02-27	390	2182	NA	No
WAP-19	Total Dissolved Solids (TDS)	mg/L	2025-03-04	2745	2891	NA	No
WAP-9	Total Dissolved Solids (TDS)	mg/L	2025-02-25	1325	2745	NA	No
WLF-A2-1	Total Dissolved Solids (TDS)	mg/L	2025-03-04	517.5	2125	NA	No
WLF-A2-2	Total Dissolved Solids (TDS)	mg/L	2025-03-04	565	1818	NA	No
WLF-A2-6	Total Dissolved Solids (TDS)	mg/L	2025-02-27	872.5	947.5	NA	No
WAP-17	pH, Field	pH units	2025-03-04	5.82	6.56	5.55	No
WAP-18	pH, Field	pH units	2025-02-27	5.73	7.7	4.61	No
WAP-19	pH, Field	pH units	2025-03-04	6.32	6.96	5.56	No
WAP-9	pH, Field	pH units	2025-02-25	6.3	6.47	5.44	No
WLF-A2-1	pH, Field	pH units	2025-03-04	5.28	6.57	3.7	No
WLF-A2-2	pH, Field	pH units	2025-03-04	6.04	6.42	5.17	No
WLF-A2-6	pH, Field	pH units	2025-02-27	6.59	6.96	5.85	No

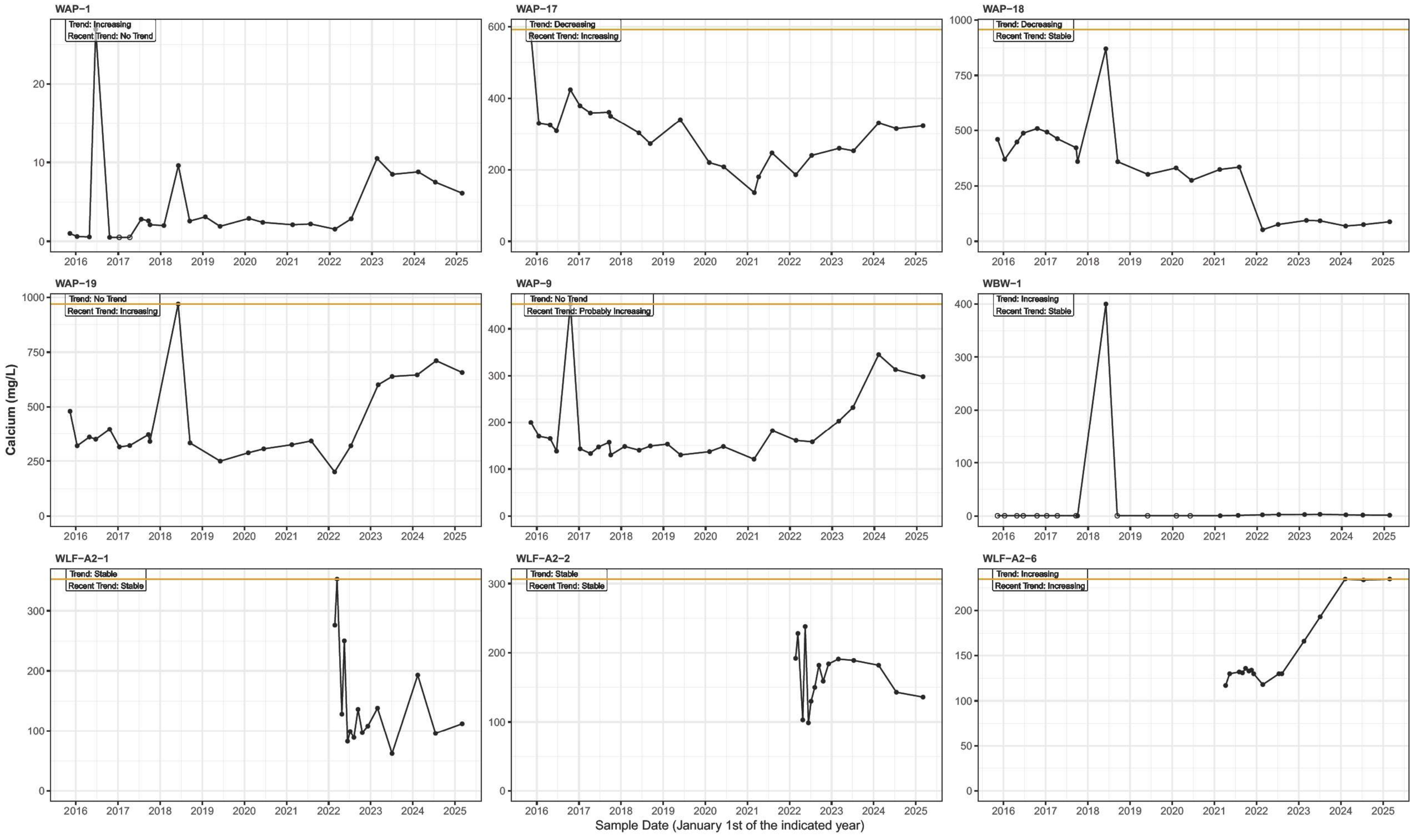
Statistically Significant Increases (SSIs) include any sample results that exceed prediction limits. In other words, an SSI is any sample concentration greater than the UPL, or any sample concentration less than the LCL for pH, Field.
< indicates that the constituent was not detected above the method detection limit, the reporting detection limit is shown following the symbol.

Trend Analysis for Boron



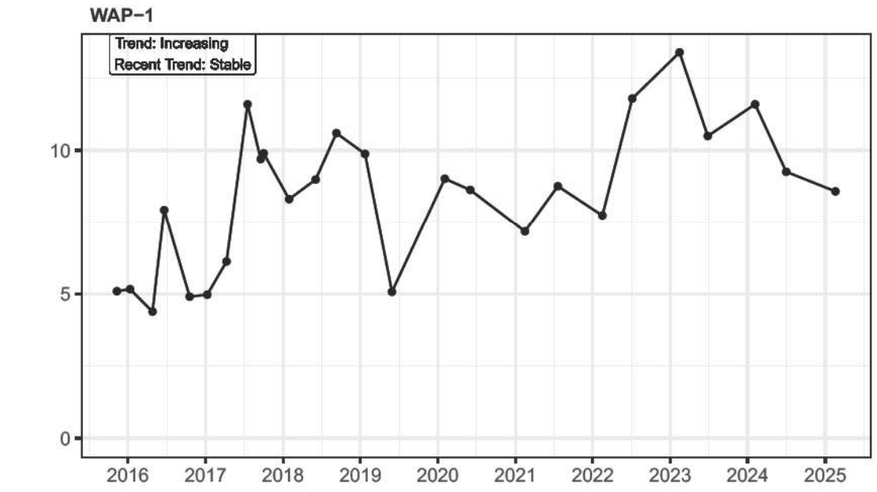
Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

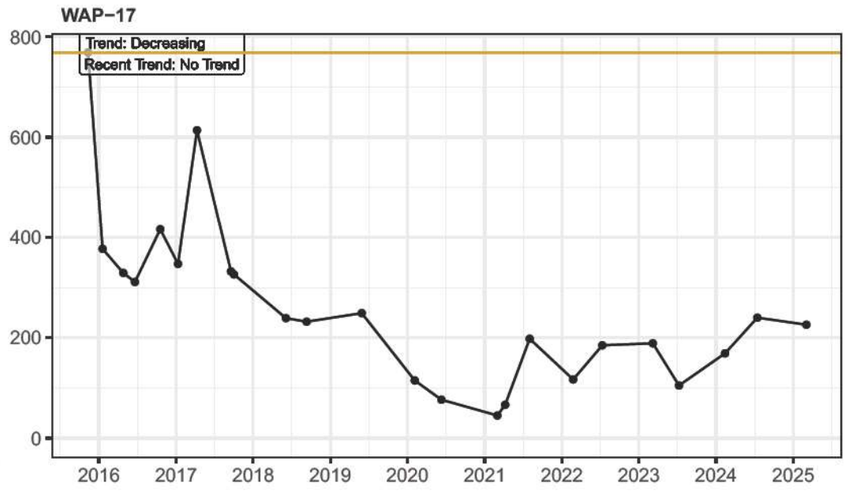
Trend Analysis for Calcium

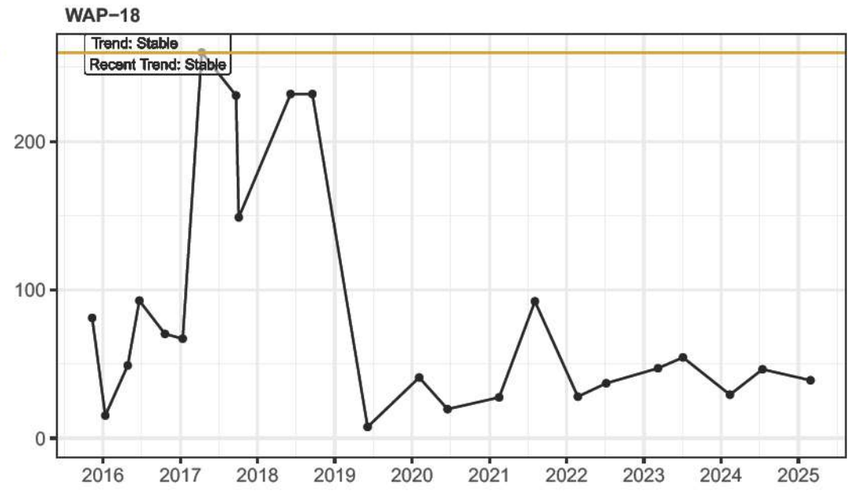


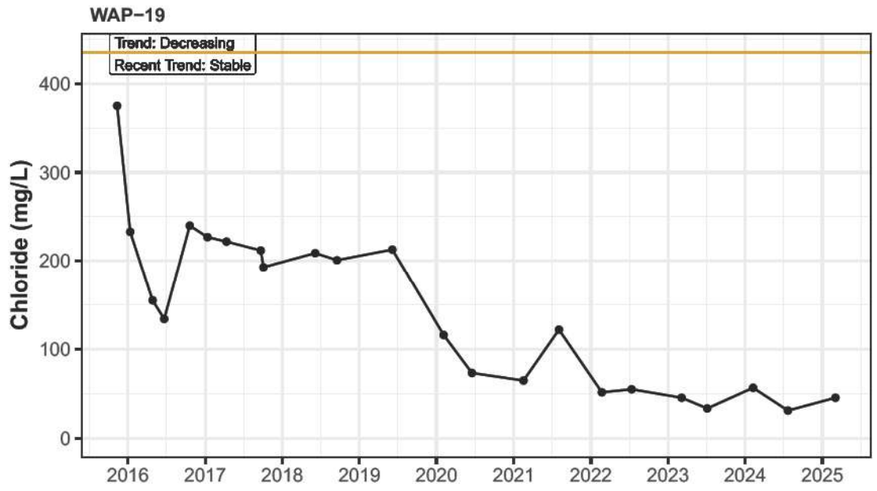
Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

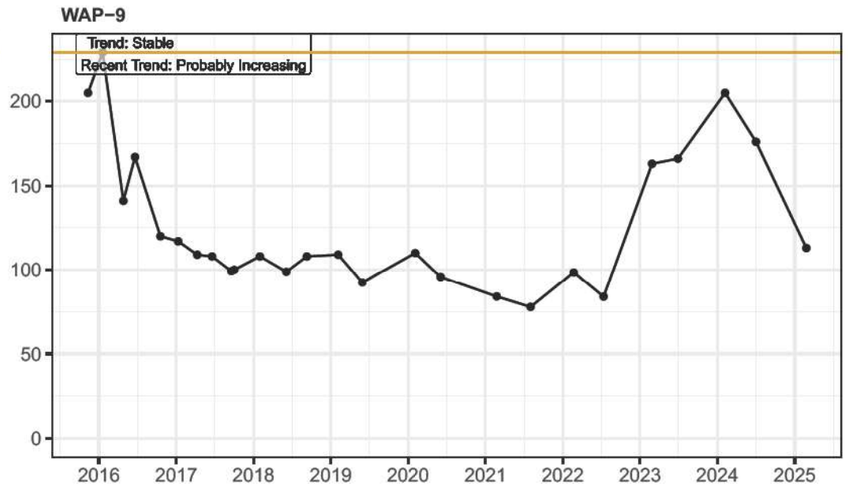
Trend Analysis for Chloride

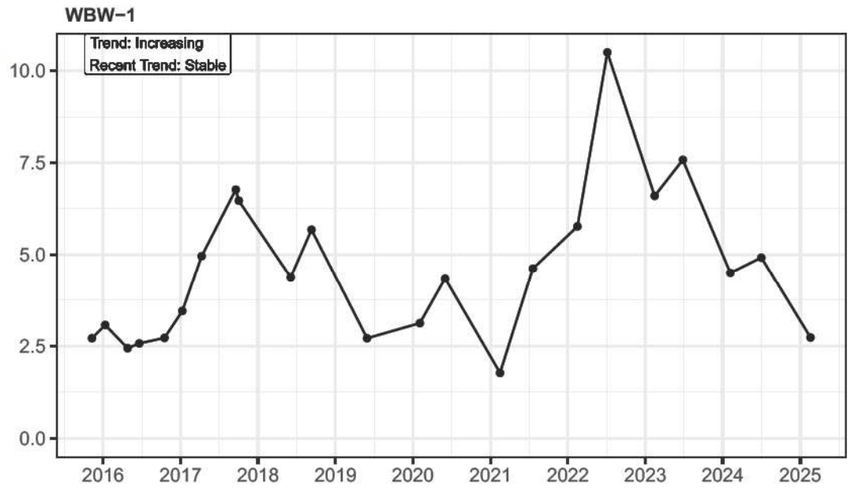


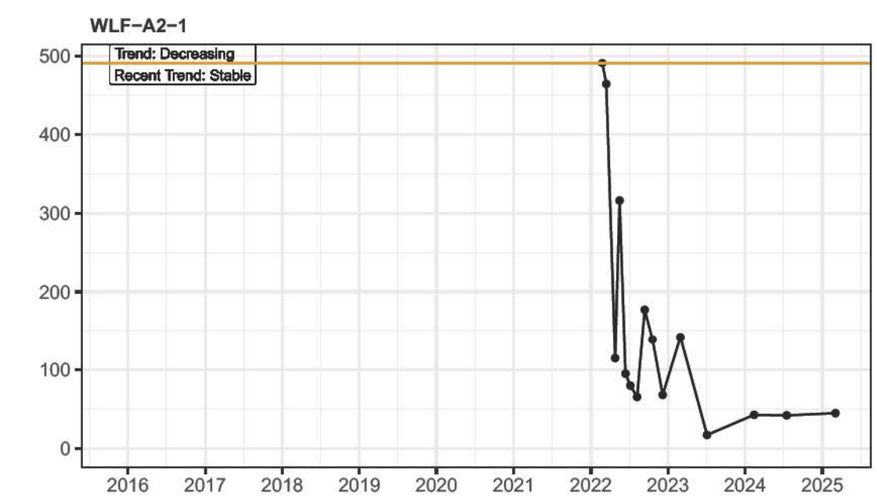


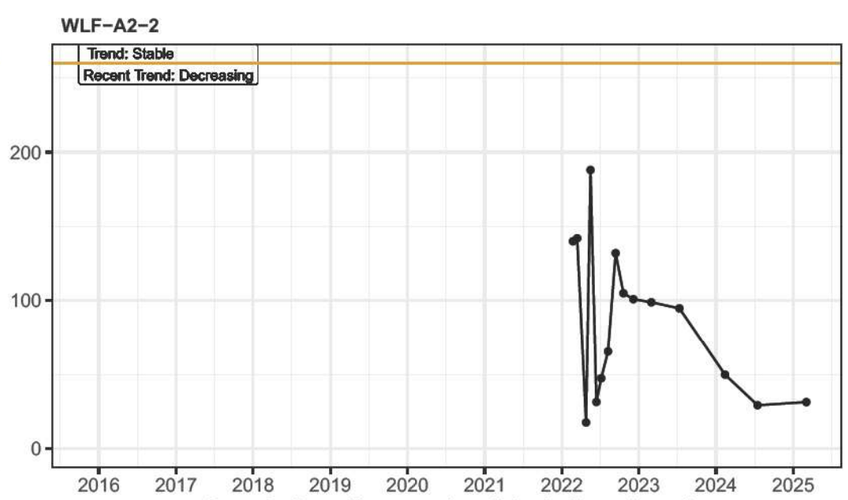


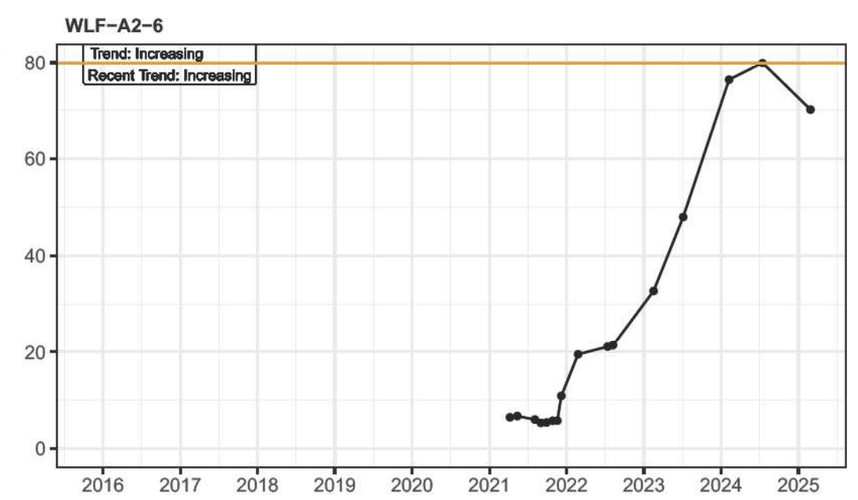










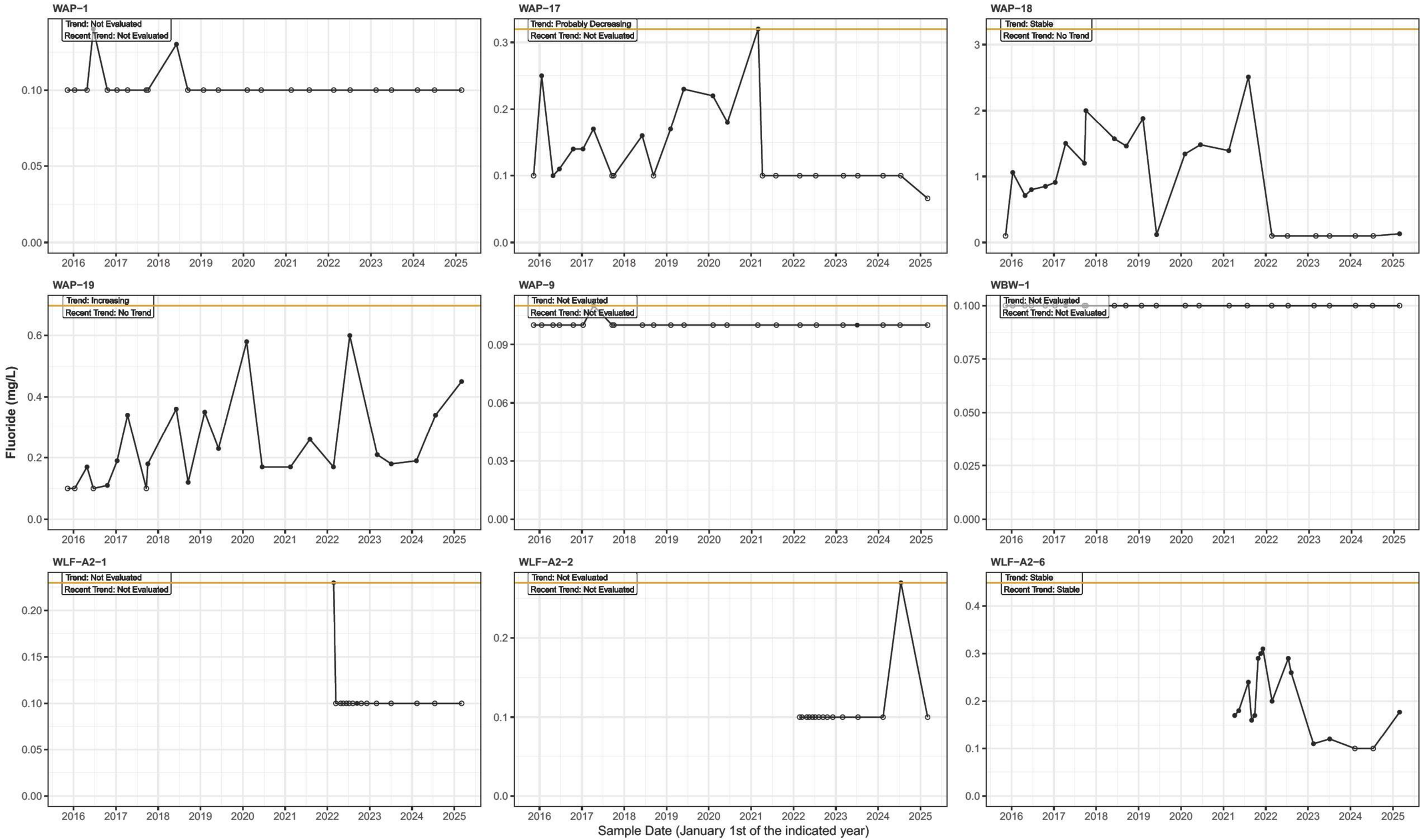


Sample Date (January 1st of the indicated year)

Upper Prediction Limit Detection Status: ● Detect

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

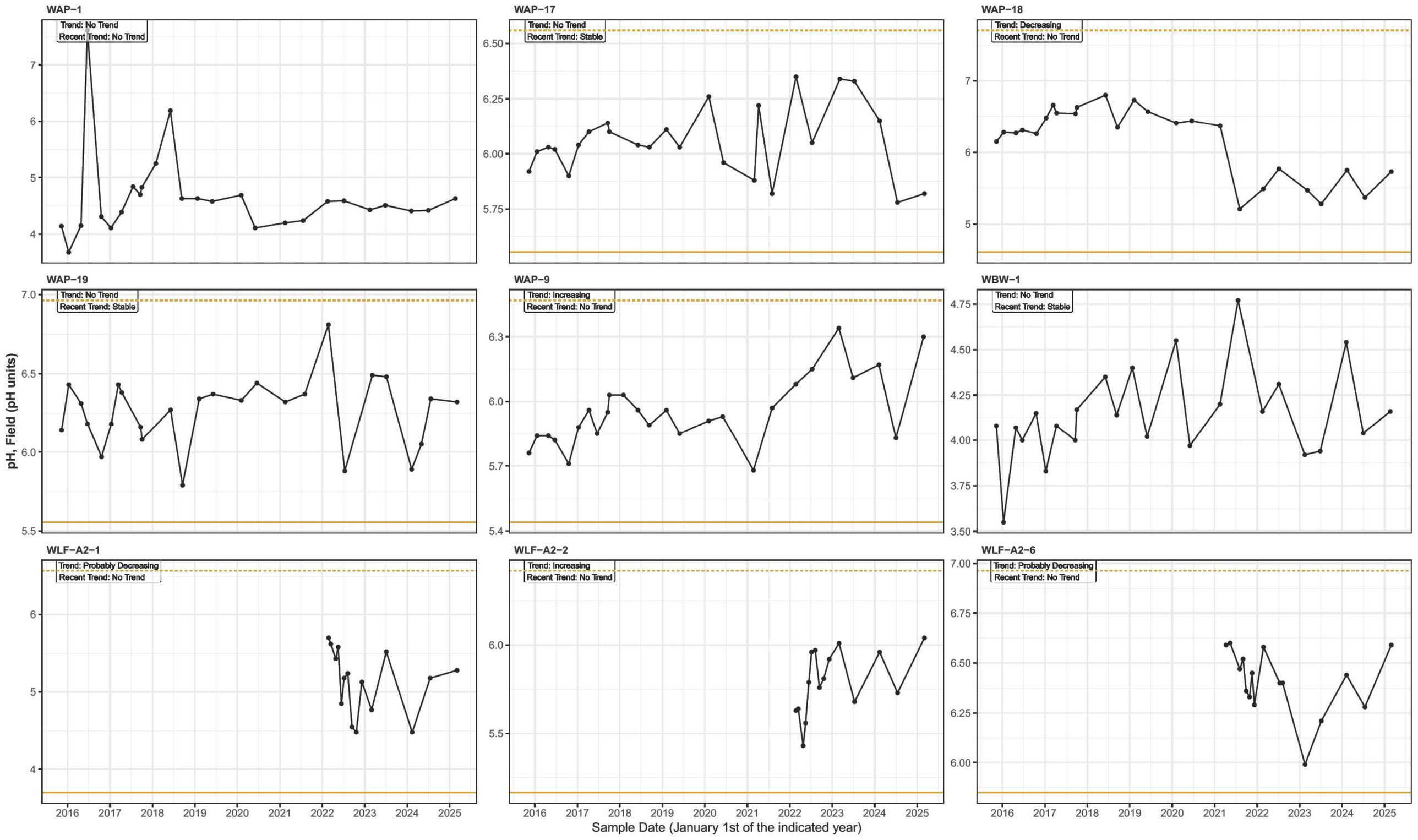
Trend Analysis for Fluoride



Detection Status: ● Detect ○ Non−Detect — Upper Prediction Limit

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

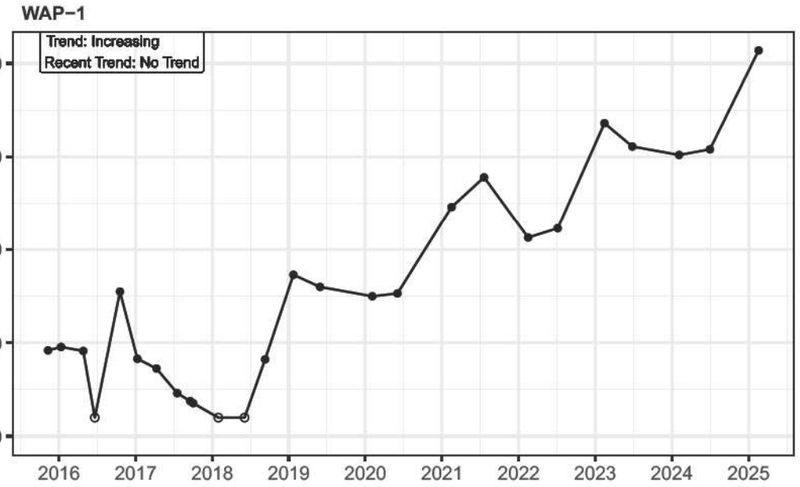
Trend Analysis for pH, Field

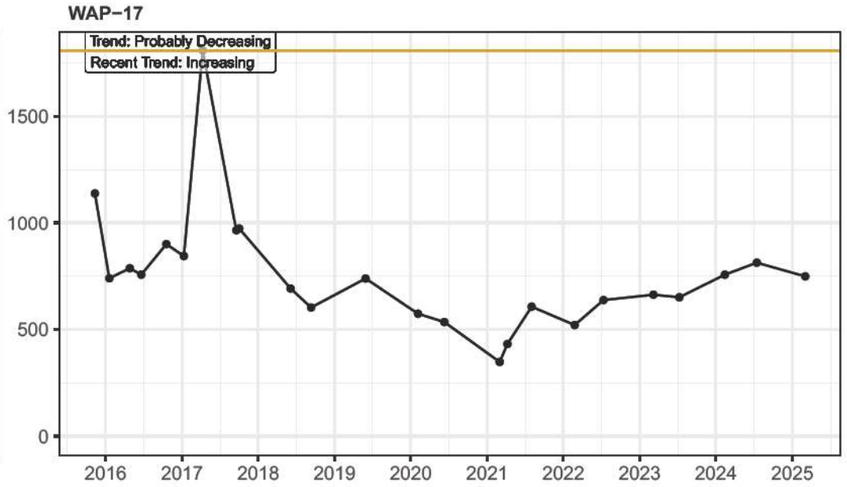


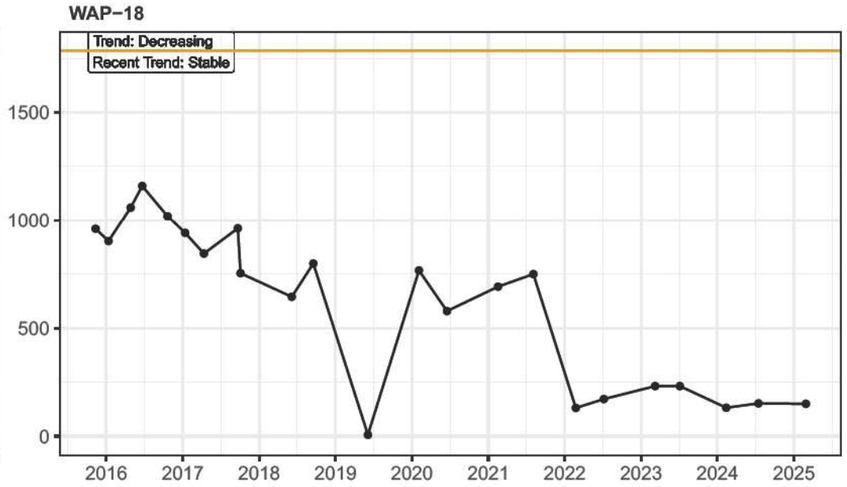
linetype — Lower Prediction Limit - - - Upper Prediction Limit Detection Status: ● Detect

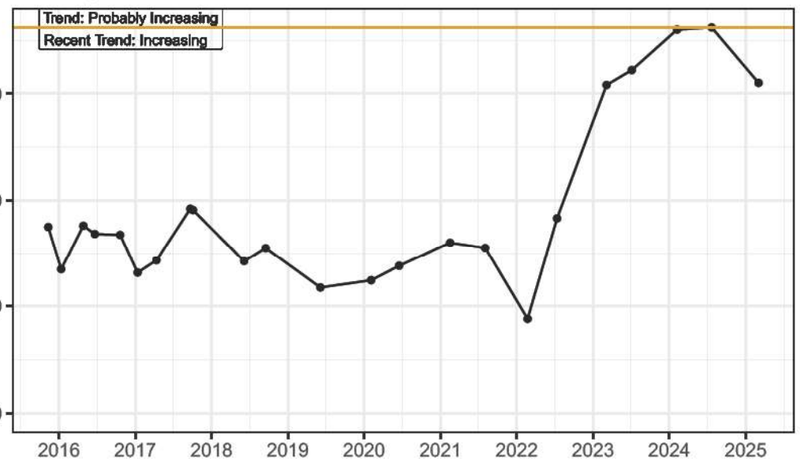
Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

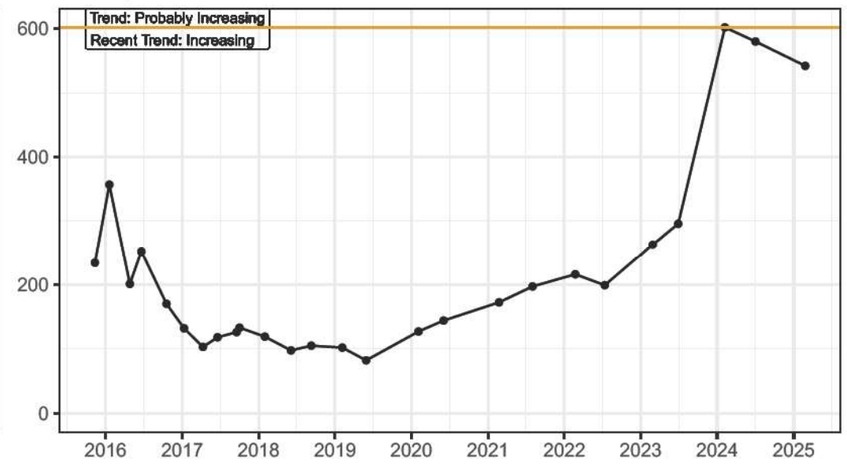
Trend Analysis for Sulfate

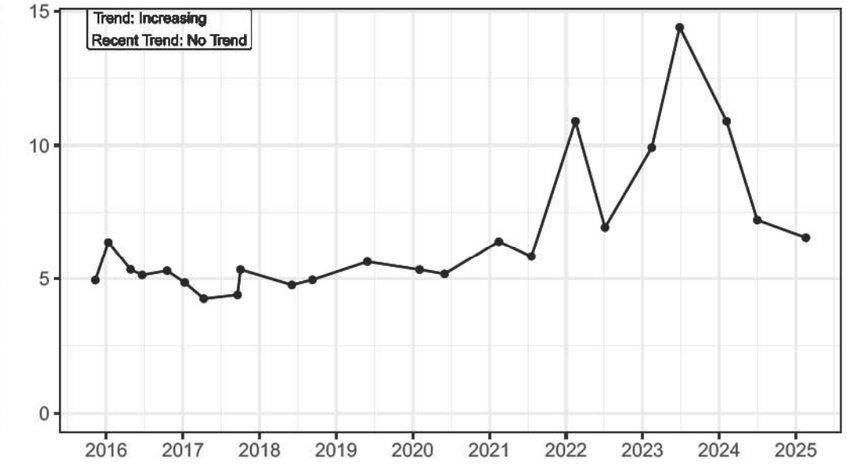


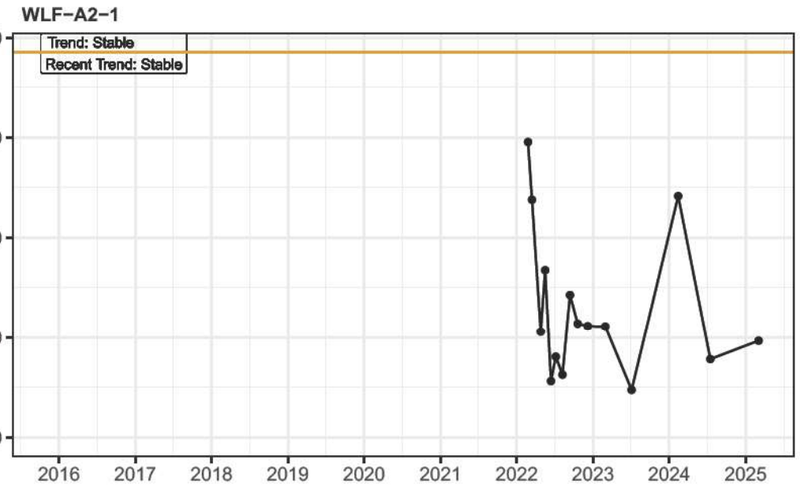


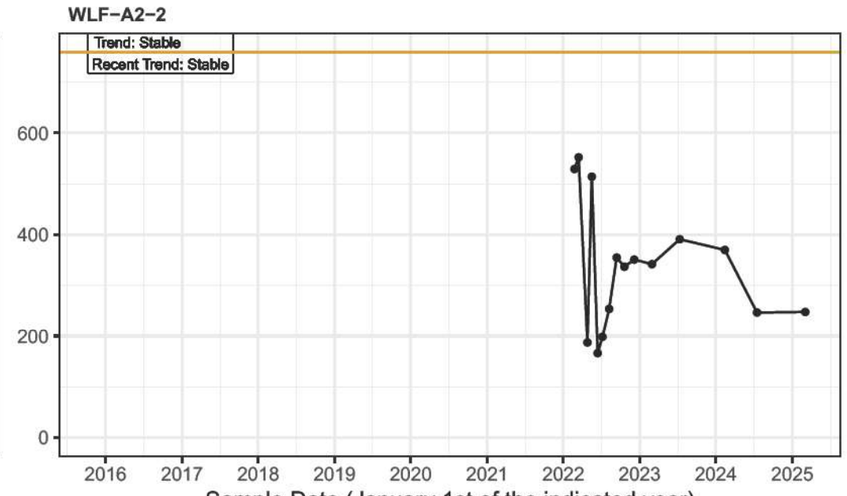


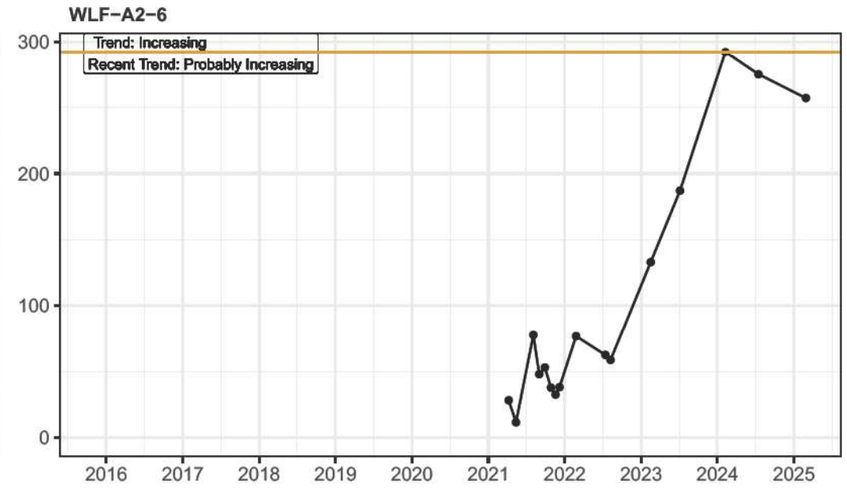












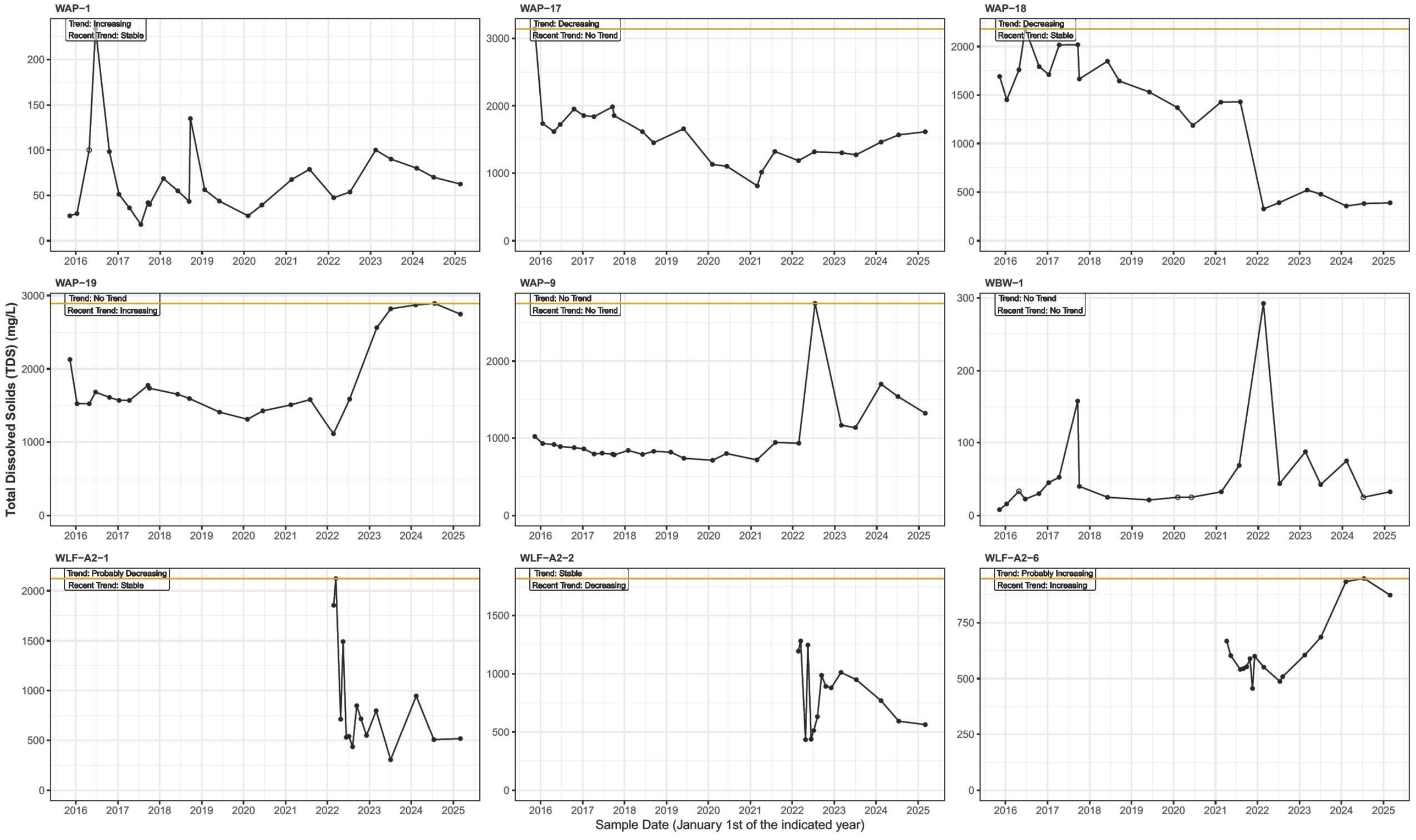
Sulfate (mg/L)

Sample Date (January 1st of the indicated year)

Detection Status: ● Detect ○ Non−Detect — Upper Prediction Limit

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for Total Dissolved Solids (TDS)



Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

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

TECHNICAL MEMORANDUM

December 23, 2025
File No. 0132892-102

SUBJECT: Statistical Evaluation of the June and July 2025 Semiannual Groundwater Detection Monitoring Data, Winyah Generating Station, Class 3 Landfill Area 2

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 June and July 2025 semiannual detection monitoring event for the Winyah Generating Station Class 3 Landfill Area 2. Data for this groundwater sampling event were validated on September 26, 2025, by Santee Cooper and provided to Haley & Aldrich, Inc. (Haley & Aldrich).

BACKGROUND

The results of analytical testing performed on samples collected from the groundwater monitoring network are evaluated to determine whether there has been a statistically significant increase (SSI) or statistically significant decrease (SSD) over baseline for one or more detection monitoring constituents. The Class 3 Landfill Area 2 is a relatively new landfill located in the footprint of the excavated Ash Pond A; the first receipt of waste was on March 28, 2022. As the elevated levels of detected Appendix III constituents were identified downgradient of Class 3 Landfill Area 2 prior to the placement of coal combustion residual (CCR) material into the unit, a successful alternative source demonstration (ASD) was prepared 90 days after SSIs were identified and another ASD was prepared in 2024. The ASDs supported that Appendix III constituent concentrations downgradient of Class 3 Landfill Area 2 are attributable to co-located Ash Pond A which is undergoing closure by removal.

Using intrawell evaluations, sample data from the June and July 2025 semiannual groundwater sampling event for the downgradient monitoring wells were compared to prediction limits (PLs). The results of the groundwater detection monitoring statistical evaluation are discussed below and provided in Table 1.

STATISTICAL EVALUATION

The Rule provides four specific options to statistically evaluate whether water quality downgradient of the CCR unit (40 CFR § 257.93(f)(1-4)) represents an SSI of Appendix III parameters compared to baseline groundwater quality of the CCR Unit. The selected statistical method used for these evaluations is the upper prediction limit (UPL). This statistical method was certified by Haley & Aldrich on December 16, 2021.

An intrawell evaluation was used for statistical analysis, which compares the most recent values from downgradient compliance wells against a baseline dataset composed of data from that well that is

determined to be unimpacted by the monitored CCR unit. The results of analytical testing performed on samples collected from the groundwater monitoring network were evaluated to determine whether an SSI exists for Appendix III constituents.

In order to statistically evaluate the analytical results, the prediction interval procedure uses a concentration limit for each constituent that is established from the distribution of the baseline data with a specified confidence level (e.g., 95 percent). The upper endpoint of a concentration limit is the UPL, and the lower endpoint is called the lower prediction limit (LPL). Depending on the baseline data distribution, parametric or non-parametric prediction limit procedures are used to evaluate groundwater monitoring data using this method. Parametric PLs use normally distributed data or normalized data via a transformation of the sample baseline data.

If the data are non-normal and a transformation is not indicated, non-parametric procedures (order statistics or bootstrap methods) are used to calculate the prediction limit. If all the baseline data are non-detect, a maximum reporting limit may serve as an approximate UPL. LPLs are only calculated for pH data. Valid pH measurements should always be greater than detection limits at this site, but the minimum value may serve as a non-parametric LPL. We note that depending on the available sample size, PLs generated from non-parametric or maximum reporting limits may not achieve the same target statistical confidence limits as the parametric PLs. In the case of the Class 3 Landfill Area 2, the statistical analysis was conducted using both parametric and non-parametric PLs.

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

Per the document *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009* (the Unified Guidance), baseline concentrations were based on statistical evaluation of analytical results collected through February 2025 and updated in the Statistical Output produced with R programming software (Attachment A). The background dataset was updated during the first semiannual sampling event in February 2025 and will be updated after four additional data points are collected (first semiannual event of 2027) in accordance with the Unified Guidance.

TREND ANALYSIS

Mann-Kendall trend analyses were performed on both the overall dataset, and on the eight most recent samples. Trends were only evaluated for constituent/well datasets of sufficient sample size. Recent trend analysis results are included in Table 1, and both overall and recent trends are included in Attachment A, Table A-4. Trend analysis will continue to be used to monitor and evaluate concentrations in the context of overall site conditions.

Of the 45 downgradient well/constituent datasets that were evaluated for recent trends, 44 percent had decreasing or stable trends, 20 percent were increasing, and 36 percent were variable with no statistically significant trend. Increasing trends were identified for boron (WAP-19), calcium (WAP-17, WAP-19, and WLF-A2-6), fluoride (WAP-18), sulfate (WAP-17 and WLF-A2-6), and total dissolved solids (TDS; WAP-17 and WLF-A2-6). It is important to note that increasing trends are not a part of the SSI

identification process. Trend analysis will continue to be used to monitor and evaluate concentrations in the context of overall site conditions.

RESULTS OF DETECTION MONITORING DOWNGRADIENT STATISTICAL COMPARISONS

Analytical results for each Appendix III constituent were compared to the background value of that constituent to determine whether an SSI has occurred (Table 1). A sample concentration greater than the UPL (or less than LPL for pH) indicates an SSI over background using intrawell comparisons. Note that intrawell comparisons alone do not account for conditions in upgradient background wells. SSIs/SSDs were detected for the following:

- Boron, calcium, sulfate, and TDS SSI at WLF-A2-6.
- pH SSD at WAP-9.

Boron (0.786 milligrams per liter [mg/L]), calcium (258 mg/L), sulfate (407 mg/L), and TDS (957.5 mg/L) at WLF-A2-6 each exceeded their respective UPLs (0.74, 235, 292, and 947.5 mg/L, respectively) under intrawell comparison, resulting in SSIs. These SSIs were also identified at well WLF-A2-6 during the second semi-annual sampling event of 2024. As noted in the 2023 and 2024 ASDs, which cited boron, calcium, sulfate, and TDS SSIs at WLF-A2-6, the Class 3 Landfill Area 2 is within the footprint of Ash Pond A and is undergoing corrective action and closure. Ash Ponds A and B were unlined CCR impoundments that operated for over 40 years. As supported by the ASDs, the former units are contributing to fluctuating and elevating concentrations. This unit is also surrounded by a dynamic hydraulic system, which likely contributes to the variable concentrations observed in nearby monitoring wells. In addition, the 2024 ASD cited the natural occurrence of Appendix III constituents is common in the Coastal Plain physiographic region.

- At WAP-9, pH measured 5.32 standard unit (SU), which is below the intrawell LPL of 5.44 SU and flagged as an SSD. However, this value is greater than values at the background wells WBW-1 and WAP-1 (e.g., 3.78 and 4.34 SU, respectively, on June 25, 2025; Table 1) and within the historical range observed prior to CCR placement at Class 3 Landfill Area 2.

Therefore, the pH result at WAP-9 is not interpreted as an SSD of significant concern and will continue to be monitored in future semi-annual events.

Statistical results and trends in concentrations will continue to be evaluated during subsequent sampling events. As such, the Class 3 Landfill Area 2 will remain in detection monitoring, and an updated ASD will be completed for the SSIs and SSD.

Enclosures:

Table 1 – June and July 2025 Semiannual Groundwater Detection Monitoring Data (WGS Class 3 Landfill Area 2)
Attachment A – Statistical Output, June and July 2025

TABLE

TABLE 1
JUNE AND JULY 2025 SEMIANNUAL GROUNDWATER DETECTION MONITORING DATA (WGS CLASS 3 LANDFILL AREA 2)
WINYAH GENERATING STATION
CLASS 3 LANDFILL AREA 2

Location	Frequency of Detection	Percent of Detected Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	CCR MCL/RSL	Number of MCL/RSL Exceedances	Mann-Kendall Trend [a]	Intra-well Analysis				
												Assumed Data Distribution	Sample Date	June/July 2025 Concentration	Intrawell Prediction Limits [b]	Statistically Significant Increases (SSIs)
CCR Appendix III: Boron, Total (mg/L)																
WBW-1	15/24	63%	0.015 - 0.075	0.035	0.021	0.0835	0.185	107%	NA	NA	No Trend	Non-Parametric	6/25/2025	0.0228	NA	NA
WAP-1	24/24	100%	NA	0.031	0.028	0.05	0.06	31%	NA	NA	Stable	Parametric	6/25/2025	0.0255	NA	NA
WAP-17	25/25	100%	NA	5.10	4.25	8.90	14.2	47%	NA	NA	No Trend	Non-Parametric	7/14/2025	4.25	14.2	No
WAP-18	23/23	100%	NA	3.71	3.50	8.15	8.20	74%	NA	NA	Decreasing	Parametric	7/8/2025	0.372	12.5	No
WAP-19	23/23	100%	NA	4.12	4.2	4.88	6.19	20%	NA	NA	Increasing	Parametric	7/7/2025	4.9	6.71	No
WAP-9	22/22	100%	NA	4.66	5.01	5.714	5.80	22%	NA	NA	Stable	Parametric	6/26/2025	2.02	7.49	No
WLF-A2-1	16/16	100%	NA	2.39	1.79	4.59	5.50	54%	NA	NA	Stable	Parametric	7/9/2025	1.83	7.25	No
WLF-A2-2	16/16	100%	NA	2.67	2.3	4.79	5.04	41%	NA	NA	Stable	Non-Parametric	7/9/2025	2.34	5.04	No
WLF-A2-6	17/17	100%	NA	0.40	0.38	0.75	0.79	36%	NA	NA	No Trend	Non-Parametric	7/7/2025	0.786	0.74	Yes
CCR Appendix III: Calcium, Total (mg/L)																
WBW-1	12/24	50%	0.5 - 0.5	18	0.50	3.19	400	459%	NA	NA	Probably Decreasing	Non-Parametric	6/25/2025	1.4	NA	NA
WAP-1	25/27	93%	0.5 - 0.5	4.4	2.6	10.2	26.9	123%	NA	NA	No Trend	Non-Parametric	6/25/2025	6.7	NA	NA
WAP-17	25/25	100%	NA	302	315	415	580	30%	NA	NA	Increasing	Parametric	7/14/2025	318	600	No
WAP-18	24/24	100%	NA	308	333	507	870	66%	NA	NA	Stable	Parametric	7/8/2025	32.6	958	No
WAP-19	24/24	100%	NA	437	346	703	970	43%	NA	NA	Increasing	Non-Parametric	7/7/2025	655	970	No
WAP-9	27/27	100%	NA	184	153	335	453	43%	NA	NA	No Trend	Non-Parametric	6/26/2025	122	453	No
WLF-A2-1	16/16	100%	NA	145	110	295	353	56%	NA	NA	Stable	Parametric	7/9/2025	96.8	450	No
WLF-A2-2	16/16	100%	NA	165	171	231	238	24%	NA	NA	Stable	Parametric	7/9/2025	139	313	No
WLF-A2-6	17/17	100%	NA	161	133	240	258	30%	NA	NA	Increasing	Non-Parametric	7/7/2025	258	235	Yes
CCR Appendix III: Chloride, Total (mg/L)																
WBW-1	24/24	100%	NA	4.4	4.4	7.5	10.5	47%	NA	NA	Decreasing	Parametric	6/25/2025	2.4	NA	NA
WAP-1	27/27	100%	NA	8.4	8.8	12	13.4	29%	NA	NA	Stable	Parametric	6/25/2025	8.81	NA	NA
WAP-17	25/25	100%	NA	256	232	574	769	65%	NA	NA	No Trend	Parametric	7/14/2025	132	812	No
WAP-18	24/24	100%	NA	81.6	48.05	232	260	96%	NA	NA	Stable	Non-Parametric	7/8/2025	9.26	260	No
WAP-19	24/24	100%	NA	140	128	239	375	65%	NA	NA	Stable	Parametric	7/7/2025	52.9	440	No
WAP-9	27/27	100%	NA	123	109	205	229	35%	NA	NA	No Trend	Non-Parametric	6/26/2025	47.3	229	No
WLF-A2-1	16/16	100%	NA	147	87.6	471	491	101%	NA	NA	Stable	Non-Parametric	7/9/2025	49.4	491	No
WLF-A2-2	16/16	100%	NA	81.6	80.2	154	188	63%	NA	NA	Decreasing	Parametric	7/9/2025	31.9	266	No
WLF-A2-6	17/17	100%	NA	26.9	19.5	77.1	79.9	98%	NA	NA	Probably Increasing	Non-Parametric	7/7/2025	35.6	80	No

TABLE 1
JUNE AND JULY 2025 SEMIANNUAL GROUNDWATER DETECTION MONITORING DATA (WGS CLASS 3 LANDFILL AREA 2)
WINYAH GENERATING STATION
CLASS 3 LANDFILL AREA 2

Location	Frequency of Detection	Percent of Detected Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	CCR MCL/RSL	Number of MCL/RSL Exceedances	Mann-Kendall Trend [a]	Intra-well Analysis				
												Assumed Data Distribution	Sample Date	June/July 2025 Concentration	Intrawell Prediction Limits [b]	Statistically Significant Increases (SSIs)
CCR Appendix III: Fluoride (mg/L)																
WBW-1	1/25	4%	0.1 - 0.1	0.10	0.10	0.10	0.1	0%	4	0	Not Evaluated	Non-Parametric	6/25/2025	<0.1	NA	NA
WAP-1	2/25	8%	0.1 - 0.1	0.10	0.10	0.12	0.14	10%	4	0	Not Evaluated	Non-Parametric	6/25/2025	<0.1	NA	NA
WAP-17	12/26	46%	0.066 - 0.1	0.14	0.10	0.25	0.32	44%	4	0	Not Evaluated	Non-Parametric	7/14/2025	<0.1	0.320	No
WAP-18	18/25	72%	0.1 - 0.1	0.87	0.85	1.98	2.51	85%	4	0	Increasing	Parametric	7/8/2025	0.14	3.24	No
WAP-19	21/25	84%	0.1 - 0.1	0.24	0.19	0.55	0.6	58%	4	0	No Trend	Non-Parametric	7/7/2025	0.29	0.600	No
WAP-9	2/25	8%	0.1 - 0.1	0.10	0.10	0.10	0.11	2%	4	0	Not Evaluated	Non-Parametric	6/26/2025	<0.1	0.110	No
WLF-A2-1	2/16	13%	0.1 - 0.1	0.11	0.10	0.13	0.23	30%	4	0	Not Evaluated	Non-Parametric	7/9/2025	<0.1	0.230	No
WLF-A2-2	1/16	6%	0.1 - 0.1	0.11	0.10	0.14	0.27	38%	4	0	Not Evaluated	Non-Parametric	7/9/2025	<0.1	0.270	No
WLF-A2-6	14/17	82%	0.1 - 0.1	0.19	0.18	0.30	0.31	39%	4	0	Probably Decreasing	Parametric	7/7/2025	<0.1	0.450	No
CCR Appendix III: pH, Field (SU) [c]																
WBW-1	25/25	100%	NA	4.13	4.08	4.55	4.77	6%	NA	NA	Stable	Parametric	6/25/2025	3.78	NA	NA
WAP-1	27/27	100%	NA	4.64	4.51	5.91	7.61	16%	NA	NA	Stable	Non-Parametric	6/25/2025	4.34	NA	NA
WAP-17	26/26	100%	NA	6.06	6.04	6.34	6.35	3%	NA	NA	Stable	Parametric	7/14/2025	6.07	6.56 / 5.58	No
WAP-18	26/26	100%	NA	6.13	6.30	6.71	6.80	8%	NA	NA	Stable	Parametric	7/8/2025	5.53	7.7 / 4.61	No
WAP-19	27/27	100%	NA	6.27	6.32	6.49	6.81	4%	NA	NA	No Trend	Parametric	7/7/2025	6.4	6.98 / 5.54	No
WAP-9	27/27	100%	NA	5.93	5.93	6.26	6.34	3%	NA	NA	Stable	Parametric	6/26/2025	5.31	6.47 / 5.44	*Yes (low)
WLF-A2-1	16/16	100%	NA	5.14	5.21	5.64	5.7	8%	NA	NA	No Trend	Parametric	7/9/2025	5.25	6.63 / 3.62	No
WLF-A2-2	16/16	100%	NA	5.80	5.80	6.02	6.04	3%	NA	NA	No Trend	Parametric	7/9/2025	5.87	6.39 / 5.16	No
WLF-A2-6	17/17	100%	NA	6.40	6.40	6.59	6.60	3%	NA	NA	No Trend	Parametric	7/7/2025	6.25	6.96 / 5.85	No
CCR Appendix III: Sulfate (mg/L)																
WBW-1	24/24	100%	NA	6.55	5.495	10.9	14.4	38%	NA	NA	Stable	Non-Parametric	6/25/2025	6.11	NA	NA
WAP-1	24/27	89%	2 - 2	16.1	15.3	32.85	41.4	70%	NA	NA	No Trend	Parametric	6/25/2025	22.6	NA	NA
WAP-17	25/25	100%	NA	761	740	1107	1810	37%	NA	NA	Increasing	Non-Parametric	7/14/2025	795.0	1810	No
WAP-18	24/24	100%	NA	587	721	1054	1160	65%	NA	NA	Stable	Parametric	7/8/2025	46.1	1787	No
WAP-19	24/24	100%	NA	981	839	1771	1810	42%	NA	NA	No Trend	Non-Parametric	7/7/2025	1520	1810	No
WAP-9	27/27	100%	NA	222	172	569	602	66%	NA	NA	No Trend	Non-Parametric	6/26/2025	319.0	602	No
WLF-A2-1	16/16	100%	NA	317	272	638	739	58%	NA	NA	Stable	Parametric	7/9/2025	194	1000.0	No
WLF-A2-2	16/16	100%	NA	331	340	535	552	37%	NA	NA	Stable	Parametric	7/9/2025	252	780.3	No
WLF-A2-6	17/17	100%	NA	122	62.5	315	407	96%	NA	NA	Increasing	Non-Parametric	7/7/2025	407	292.0	Yes

TABLE 1

JUNE AND JULY 2025 SEMIANNUAL GROUNDWATER DETECTION MONITORING DATA (WGS CLASS 3 LANDFILL AREA 2)

WINYAH GENERATING STATION

CLASS 3 LANDFILL AREA 2

Location	Frequency of Detection	Percent of Detected Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	CCR MCL/RSL	Number of MCL/RSL Exceedances	Mann-Kendall Trend [a]	Intra-well Analysis				
												Assumed Data Distribution	Sample Date	June/July 2025 Concentration	Intrawell Prediction Limits [b]	Statistically Significant Increases (SSIs)
CCR Appendix III: Total Dissolved Solids (mg/L)																
WBW-1	19/23	83%	25 - 33.3	53.5	32.5	150.9	292.5	114%	NA	NA	Decreasing	Non-Parametric	6/25/2025	30	NA	NA
WAP-1	27/28	96%	100 - 100	66.1	55.0	122.7	234.0	64%	NA	NA	Stable	Non-Parametric	6/25/2025	55.0	NA	NA
WAP-17	25/25	100%	NA	1562	1566	1979	3140	29%	NA	NA	Increasing	Non-Parametric	7/14/2025	1540	3140	No
WAP-18	24/24	100%	NA	1241	1442	2018	2182	53%	NA	NA	Stable	Non-Parametric	7/8/2025	210	2182	No
WAP-19	24/24	100%	NA	1869	1604	2863	2891	30%	NA	NA	No Trend	Non-Parametric	7/7/2025	2655	2891	No
WAP-9	27/27	100%	NA	997	858.8	1654	2745	43%	NA	NA	Stable	Non-Parametric	6/26/2025	550	2745	No
WLF-A2-1	16/16	100%	NA	839.0	632.5	1922	2125	63%	NA	NA	Stable	Non-Parametric	7/9/2025	532.5	2125	No
WLF-A2-2	16/16	100%	NA	812.4	825.0	1255	1281	35%	NA	NA	Probably Decreasing	Parametric	7/9/2025	607.5	1857	No
WLF-A2-6	17/17	100%	NA	653.0	600.0	949.5	957.5	26%	NA	NA	Increasing	Non-Parametric	7/7/2025	957.5	947.5	Yes

Notes:

[a] Mann-Kendall Trends calculated from the eight most recent samples at a 95% confidence limits and trend classifications are determined based on guidance from the Monitoring and Remediation Optimization System (Aziz, 2003). Recent trend date ranges vary by well/constituent and are included in Attachment A, Table A-4. 'Probably increasing' and 'probably decreasing' trends indicate that while no statistically significant trend was identified at the indicated confidence level, data suggest emerging trends at a lower confidence level. Data sets that do not meet test requirements, such as having a detection rate of at least 25%, are labeled as 'Not Evaluated'.

[b] Intrawell Prediction Limits are calculated from data collected from individual downgradient wells. No statistical outlier data points were removed from background datasets.

[c] Upper Prediction Limit (UPL) / Lower Prediction Limit (LPL): SSIs are identified as sample results below the LPL or above the UPL.

MCL/RSL: Maximum contaminant level/Regional screening level

mg/L: milligrams per liter, SU = standard pH units

NA: not applicable

<: Constituent not detected above the method detection limit and the sample-specific reporting limit is show.

**Yes = considered a statistically significant decrease*

ATTACHMENT A
Statistical Output, June and July 2025

Table A-1. Descriptive Statistics

Location	Constituent	Units	n	n, non-detects	percent of non-detects	max	min	mean	median	standard deviation	coefficient of variation (%)	reporting limit range	date range
WAP-1	Boron	mg/L	24	0	0	0.055	0.0164	0.0306	0.02765	0.0094	30.8	NA	2015-11-10 to 2025-06-25
WAP-17	Boron	mg/L	25	0	0	14.2	2.8	5.1	4.25	2.4	46.9	NA	2015-11-11 to 2025-07-14
WAP-18	Boron	mg/L	23	0	0	8.2	0.372	3.71	3.5	2.7	73.6	NA	2015-11-11 to 2025-07-08
WAP-19	Boron	mg/L	23	0	0	6.19	1.99	4.12	4.2	0.81	19.8	NA	2015-11-11 to 2025-07-07
WAP-9	Boron	mg/L	22	0	0	5.8	2.02	4.66	5.01	1	21.7	NA	2015-11-11 to 2025-06-26
WBW-1	Boron	mg/L	24	9	38	0.185	0.0132	0.0353	0.0205	0.038	107	0.015 - 0.075	2015-11-10 to 2025-06-25
WLF-A2-1	Boron	mg/L	16	0	0	5.5	1.14	2.39	1.79	1.3	54.2	NA	2022-02-24 to 2025-07-09
WLF-A2-2	Boron	mg/L	16	0	0	5.04	1.36	2.67	2.3	1.1	41.3	NA	2022-02-23 to 2025-07-09
WLF-A2-6	Boron	mg/L	17	0	0	0.786	0.245	0.404	0.377	0.15	35.9	NA	2021-04-08 to 2025-07-07
WAP-1	Calcium	mg/L	27	2	7	26.9	0.5	4.42	2.57	5.4	123	0.5 - 0.5	2015-11-10 to 2025-06-25
WAP-17	Calcium	mg/L	25	0	0	580	136	302	315	90	29.8	NA	2015-11-11 to 2025-07-14
WAP-18	Calcium	mg/L	24	0	0	870	32.6	308	333	200	66.4	NA	2015-11-11 to 2025-07-08
WAP-19	Calcium	mg/L	24	0	0	970	201	437	346	190	43	NA	2015-11-11 to 2025-07-07
WAP-9	Calcium	mg/L	27	0	0	453	121	184	153	79	43.1	NA	2015-11-11 to 2025-06-26
WBW-1	Calcium	mg/L	24	12	50	400	0.3	17.7	0.5	81	459	0.5 - 0.5	2015-11-10 to 2025-06-25
WLF-A2-1	Calcium	mg/L	16	0	0	353	62.2	145	110	82	56.3	NA	2022-02-24 to 2025-07-09
WLF-A2-2	Calcium	mg/L	16	0	0	238	98.8	165	170.5	40	24.2	NA	2022-02-23 to 2025-07-09
WLF-A2-6	Calcium	mg/L	17	0	0	258	117	161	133	49	30.3	NA	2021-04-08 to 2025-07-07
WAP-1	Chloride	mg/L	27	0	0	13.4	4.39	8.44	8.76	2.4	28.8	NA	2015-11-10 to 2025-06-25
WAP-17	Chloride	mg/L	25	0	0	769	45.3	256	232	170	65.3	NA	2015-11-11 to 2025-07-14
WAP-18	Chloride	mg/L	24	0	0	260	7.63	81.6	48.05	78	96.2	NA	2015-11-11 to 2025-07-08
WAP-19	Chloride	mg/L	24	0	0	375	31.1	140	128	91	65.2	NA	2015-11-11 to 2025-07-07
WAP-9	Chloride	mg/L	27	0	0	229	47.3	123	109	44	35.3	NA	2015-11-11 to 2025-06-26
WBW-1	Chloride	mg/L	24	0	0	10.5	1.77	4.45	4.36	2.1	46.8	NA	2015-11-10 to 2025-06-25
WLF-A2-1	Chloride	mg/L	16	0	0	491	17.3	147	87.6	150	101	NA	2022-02-24 to 2025-07-09
WLF-A2-2	Chloride	mg/L	16	0	0	188	17.6	81.6	80.15	51	62.6	NA	2022-02-23 to 2025-07-09
WLF-A2-6	Chloride	mg/L	17	0	0	79.9	5.31	26.9	19.5	26	98.2	NA	2021-04-08 to 2025-07-07
WAP-1	Fluoride	mg/L	25	23	92	0.14	0.1	0.103	0.1	0.0098	9.53	0.1 - 0.1	2015-11-10 to 2025-06-25
WAP-17	Fluoride	mg/L	26	14	54	0.32	0.066	0.137	0.1	0.06	44.2	0.066 - 0.1	2015-11-11 to 2025-07-14
WAP-18	Fluoride	mg/L	25	7	28	2.51	0.1	0.87	0.85	0.74	84.8	0.1 - 0.1	2015-11-11 to 2025-07-08
WAP-19	Fluoride	mg/L	25	4	16	0.6	0.1	0.242	0.19	0.14	58.4	0.1 - 0.1	2015-11-11 to 2025-07-07
WAP-9	Fluoride	mg/L	25	23	92	0.11	0.1	0.1	0.1	0.002	1.99	0.1 - 0.1	2015-11-11 to 2025-06-26
WBW-1	Fluoride	mg/L	25	24	96	0.1	0.1	0.1	0.1	0	0	0.1 - 0.1	2015-11-10 to 2025-06-25
WLF-A2-1	Fluoride	mg/L	16	14	88	0.23	0.1	0.108	0.1	0.032	30.1	0.1 - 0.1	2022-02-24 to 2025-07-09
WLF-A2-2	Fluoride	mg/L	16	15	94	0.27	0.1	0.111	0.1	0.042	38.4	0.1 - 0.1	2022-02-23 to 2025-07-09
WLF-A2-6	Fluoride	mg/L	17	3	18	0.31	0.1	0.193	0.177	0.076	39.2	0.1 - 0.1	2021-04-08 to 2025-07-07
WAP-1	Sulfate	mg/L	27	3	11	41.4	2	16.1	15.3	11	69.8	2 - 2	2015-11-10 to 2025-06-25
WAP-17	Sulfate	mg/L	25	0	0	1810	348	761	740	280	36.7	NA	2015-11-11 to 2025-07-14
WAP-18	Sulfate	mg/L	24	0	0	1160	6.69	587	721	380	64.6	NA	2015-11-11 to 2025-07-08
WAP-19	Sulfate	mg/L	24	0	0	1810	441	981	839	410	41.8	NA	2015-11-11 to 2025-07-07
WAP-9	Sulfate	mg/L	27	0	0	602	82.2	222	172.3	150	66	NA	2015-11-11 to 2025-06-26
WBW-1	Sulfate	mg/L	24	0	0	14.4	4.26	6.54	5.495	2.5	38.2	NA	2015-11-10 to 2025-06-25
WLF-A2-1	Sulfate	mg/L	16	0	0	739	119	317	271.5	180	57.6	NA	2022-02-24 to 2025-07-09
WLF-A2-2	Sulfate	mg/L	16	0	0	552	166	331	339.5	120	36.6	NA	2022-02-23 to 2025-07-09
WLF-A2-6	Sulfate	mg/L	17	0	0	407	11.5	122	62.5	120	96.3	NA	2021-04-08 to 2025-07-07
WAP-1	Total Dissolved Solids (TDS)	mg/L	28	1	4	234	18	66.1	55	43	64.3	100 - 100	2015-11-10 to 2025-06-25
WAP-17	Total Dissolved Solids (TDS)	mg/L	25	0	0	3140	812	1.56e+03	1566	450	28.7	NA	2015-11-11 to 2025-07-14
WAP-18	Total Dissolved Solids (TDS)	mg/L	24	0	0	2182	210	1.24e+03	1442	660	53.1	NA	2015-11-11 to 2025-07-08
WAP-19	Total Dissolved Solids (TDS)	mg/L	24	0	0	2891	1.11e+03	1.87e+03	1604	560	29.8	NA	2015-11-11 to 2025-07-07
WAP-9	Total Dissolved Solids (TDS)	mg/L	27	0	0	2745	550	997	858.8	430	43.3	NA	2015-11-11 to 2025-06-26
WBW-1	Total Dissolved Solids (TDS)	mg/L	23	4	17	292.5	8	53.5	32.5	61	114	25 - 33.3	2015-11-10 to 2025-06-25
WLF-A2-1	Total Dissolved Solids (TDS)	mg/L	16	0	0	2125	306	839	632.5	530	62.9	NA	2022-02-24 to 2025-07-09
WLF-A2-2	Total Dissolved Solids (TDS)	mg/L	16	0	0	1281	434	812	825	280	35	NA	2022-02-23 to 2025-07-09
WLF-A2-6	Total Dissolved Solids (TDS)	mg/L	17	0	0	957.5	456	653	600	170	25.7	NA	2021-04-08 to 2025-07-07
WAP-1	pH, Field	pH units	27	0	0	7.61	3.68	4.64	4.51	0.75	16.1	NA	2015-11-10 to 2025-06-25
WAP-17	pH, Field	pH units	26	0	0	6.35	5.78	6.06	6.04	0.16	2.58	NA	2015-11-11 to 2025-07-14
WAP-18	pH, Field	pH units	26	0	0	6.8	5.21	6.13	6.295	0.5	8.1	NA	2015-11-11 to 2025-07-08
WAP-19	pH, Field	pH units	27	0	0	6.81	5.79	6.26	6.32	0.22	3.54	NA	2015-11-11 to 2025-07-07
WAP-9	pH, Field	pH units	27	0	0	6.34	5.31	5.93	5.93	0.2	3.42	NA	2015-11-11 to 2025-06-26
WBW-1	pH, Field	pH units	25	0	0	4.77	3.55	4.13	4.08	0.26	6.32	NA	2015-11-10 to 2025-06-25
WLF-A2-1	pH, Field	pH units	16	0	0	5.7	4.48	5.14	5.21	0.4	7.86	NA	2022-02-24 to 2025-07-09
WLF-A2-2	pH, Field	pH units	16	0	0	6.04	5.43	5.8	5.8	0.18	3.06	NA	2022-02-23 to 2025-07-09
WLF-A2-6	pH, Field	pH units	17	0	0	6.6	5.99	6.4	6.4	0.16	2.56	NA	2021-04-08 to 2025-07-07

Note:

NA = not applicable, constituent detected in all reported samples.

Table A-2. Results of Shapiro-Wilk Test for Normality

		Shapiro-Wilk Test for Normality (R programming, package = stats, version 4.3.3, function = shapiro.test, non-detects substituted by 0.5*reporting limit)					
Location	Constituent	W statistic	p-value	Sample Count (n)	Non-Detect Count (n)	Data Normality (significance level = 0.05)	Data Normality (significance level = 0.01)
WAP-1	Boron	0.883	0.0097	24	0	Not normal	Not normal
WAP-17	Boron	0.714	1.1e-05	25	0	Not normal	Not normal
WAP-18	Boron	0.880	0.01	23	0	Not normal	Normal
WAP-19	Boron	0.922	0.073	23	0	Normal	Normal
WAP-9	Boron	0.870	0.0079	22	0	Not normal	Not normal
WBW-1	Boron	0.599	6e-07	24	9	Not normal	Not normal
WLF-A2-1	Boron	0.832	0.0075	16	0	Not normal	Not normal
WLF-A2-2	Boron	0.741	0.00049	16	0	Not normal	Not normal
WLF-A2-6	Boron	0.738	0.00032	17	0	Not normal	Not normal
WAP-1	Calcium	0.664	1.3e-06	27	2	Not normal	Not normal
WAP-17	Calcium	0.933	0.1	25	0	Normal	Normal
WAP-18	Calcium	0.898	0.019	24	0	Not normal	Normal
WAP-19	Calcium	0.833	0.0011	24	0	Not normal	Not normal
WAP-9	Calcium	0.711	5.6e-06	27	0	Not normal	Not normal
WBW-1	Calcium	0.217	2.5e-10	24	12	Not normal	Not normal
WLF-A2-1	Calcium	0.796	0.0024	16	0	Not normal	Not normal
WLF-A2-2	Calcium	0.960	0.65	16	0	Normal	Normal
WLF-A2-6	Calcium	0.753	0.00049	17	0	Not normal	Not normal
WAP-1	Chloride	0.952	0.24	27	0	Normal	Normal
WAP-17	Chloride	0.879	0.0065	25	0	Not normal	Not normal
WAP-18	Chloride	0.771	0.00012	24	0	Not normal	Not normal
WAP-19	Chloride	0.890	0.013	24	0	Not normal	Normal
WAP-9	Chloride	0.893	0.0093	27	0	Not normal	Not normal
WBW-1	Chloride	0.900	0.022	24	0	Not normal	Normal
WLF-A2-1	Chloride	0.752	0.00067	16	0	Not normal	Not normal
WLF-A2-2	Chloride	0.919	0.16	16	0	Normal	Normal
WLF-A2-6	Chloride	0.791	0.0015	17	0	Not normal	Not normal
WAP-1	Fluoride	0.313	8.3e-10	25	23	Not normal	Not normal
WAP-17	Fluoride	0.805	0.00021	26	14	Not normal	Not normal
WAP-18	Fluoride	0.883	0.008	25	7	Not normal	Not normal
WAP-19	Fluoride	0.899	0.017	25	4	Not normal	Normal
WAP-9	Fluoride	0.315	8.5e-10	25	23	Not normal	Not normal
WBW-1	Fluoride	0.203	1.2e-10	25	24	Not normal	Not normal
WLF-A2-1	Fluoride	0.366	2e-07	16	14	Not normal	Not normal
WLF-A2-2	Fluoride	0.273	4.6e-08	16	15	Not normal	Not normal
WLF-A2-6	Fluoride	0.924	0.17	17	3	Normal	Normal
WAP-1	Sulfate	0.942	0.14	27	3	Normal	Normal
WAP-17	Sulfate	0.811	0.00034	25	0	Not normal	Not normal
WAP-18	Sulfate	0.888	0.012	24	0	Not normal	Normal
WAP-19	Sulfate	0.829	0.00091	24	0	Not normal	Not normal
WAP-9	Sulfate	0.788	8.5e-05	27	0	Not normal	Not normal
WBW-1	Sulfate	0.748	4.7e-05	24	0	Not normal	Not normal
WLF-A2-1	Sulfate	0.854	0.015	16	0	Not normal	Normal
WLF-A2-2	Sulfate	0.919	0.16	16	0	Normal	Normal
WLF-A2-6	Sulfate	0.807	0.0026	17	0	Not normal	Not normal
WAP-1	Total Dissolved Solids (TDS)	0.744	1.3e-05	28	1	Not normal	Not normal
WAP-17	Total Dissolved Solids (TDS)	0.874	0.0051	25	0	Not normal	Not normal

		Shapiro-Wilk Test for Normality (R programming, package = stats, version 4.3.3, function = shapiro.test, non-detects substituted by 0.5*reporting limit)					
Location	Constituent	W statistic	p-value	Sample Count (n)	Non-Detect Count (n)	Data Normality (significance level = 0.05)	Data Normality (significance level = 0.01)
WAP-18	Total Dissolved Solids (TDS)	0.863	0.0038	24	0	Not normal	Not normal
WAP-19	Total Dissolved Solids (TDS)	0.812	0.00047	24	0	Not normal	Not normal
WAP-9	Total Dissolved Solids (TDS)	0.663	1.2e-06	27	0	Not normal	Not normal
WBW-1	Total Dissolved Solids (TDS)	0.616	1.3e-06	23	4	Not normal	Not normal
WLF-A2-1	Total Dissolved Solids (TDS)	0.780	0.0015	16	0	Not normal	Not normal
WLF-A2-2	Total Dissolved Solids (TDS)	0.930	0.24	16	0	Normal	Normal
WLF-A2-6	Total Dissolved Solids (TDS)	0.830	0.0055	17	0	Not normal	Not normal
WAP-1	pH, Field	0.682	2.2e-06	27	0	Not normal	Not normal
WAP-17	pH, Field	0.958	0.36	26	0	Normal	Normal
WAP-18	pH, Field	0.896	0.013	26	0	Not normal	Normal
WAP-19	pH, Field	0.947	0.18	27	0	Normal	Normal
WAP-9	pH, Field	0.939	0.11	27	0	Normal	Normal
WBW-1	pH, Field	0.966	0.55	25	0	Normal	Normal
WLF-A2-1	pH, Field	0.919	0.16	16	0	Normal	Normal
WLF-A2-2	pH, Field	0.955	0.58	16	0	Normal	Normal
WLF-A2-6	pH, Field	0.934	0.25	17	0	Normal	Normal

Table A-3. Results of Rosner/Dixon Test for Outliers

				Rosner or Dixon Test for Outliers (R programming, package = outliers, version 0.15, function = dixon.test or rosnerTest, non-detects substituted by reporting limit)						
Location	Constituent	n	n, non-detects	Outlier Test	statistic	p-value (Dixon)	critical value (Rosner)	n of statistical outliers (significance level = 0.05, Rosner)	statistical outlier (significance level = 0.05, Dixon)	outlier removed
WAP-1	Boron	24	0	NA	0.4268	0.07898	NA	NA	No	No
WAP-17	Boron	25	0	NA	0.6925	0	NA	NA	Yes	No
WAP-18	Boron	23	0	NA	0.06767	0.1681	NA	NA	No	No
WAP-19	Boron	23	0	NA	0.4906	0.02719	NA	NA	Yes	No
WAP-9	Boron	22	0	NA	0.3436	0.3205	NA	NA	No	No
WBW-1	Boron	24	9	NA	0.6471	0	NA	NA	Yes	No
WLF-A2-1	Boron	16	0	NA	0.3829	0.4114	NA	NA	No	No
WLF-A2-2	Boron	16	0	NA	0.1159	0.2482	NA	NA	No	No
WLF-A2-6	Boron	17	0	NA	0.7673	0	NA	NA	Yes	No
WAP-1	Calcium	27	2	NA	4.142, 2.237, 2.243	NA	2.859, 2.841, 2.822	NA	NA	No
WAP-17	Calcium	25	0	NA	0.5102	0.01167	NA	NA	Yes	No
WAP-18	Calcium	24	0	NA	0.4707	0.03522	NA	NA	Yes	No
WAP-19	Calcium	24	0	NA	0.4589	0.04398	NA	NA	Yes	No
WAP-9	Calcium	27	0	NA	3.387, 2.872, 2.961	NA	2.859, 2.841, 2.822	NA	NA	No
WBW-1	Calcium	24	12	NA	0.9943	0	NA	NA	Yes	No
WLF-A2-1	Calcium	16	0	NA	0.3902	0.3849	NA	NA	No	No
WLF-A2-2	Calcium	16	0	NA	0.4259	0.2718	NA	NA	No	No
WLF-A2-6	Calcium	17	0	NA	0.1797	0.6094	NA	NA	No	No
WAP-1	Chloride	27	0	NA	2.038, 1.705, 1.613	NA	2.859, 2.841, 2.822	NA	NA	No
WAP-17	Chloride	25	0	NA	0.51	0.01173	NA	NA	Yes	No
WAP-18	Chloride	24	0	NA	0.1144	0.4211	NA	NA	No	No
WAP-19	Chloride	24	0	NA	0.431	0.07344	NA	NA	No	No
WAP-9	Chloride	27	0	NA	2.423, 2.203, 2.513	NA	2.859, 2.841, 2.822	NA	NA	No
WBW-1	Chloride	24	0	NA	0.4628	0.04093	NA	NA	Yes	No
WLF-A2-1	Chloride	16	0	NA	0.3905	0.3835	NA	NA	No	No
WLF-A2-2	Chloride	16	0	NA	0.3063	0.7566	NA	NA	No	No
WLF-A2-6	Chloride	17	0	NA	0.1308	0.3426	NA	NA	No	No
WAP-1	Fluoride	25	23	NA	1	0	NA	NA	Yes	No
WAP-17	Fluoride	26	14	NA	3.032, 2.487, 2.493	NA	2.841, 2.822, 2.802	NA	NA	No
WAP-18	Fluoride	25	7	NA	0.2614	0.6031	NA	NA	No	No
WAP-19	Fluoride	25	4	NA	0.3	0.4172	NA	NA	No	No
WAP-9	Fluoride	25	23	NA	1	0	NA	NA	Yes	No
WBW-1	Fluoride	25	24	NA	Only 1 detected result.	NA	NA	NA	NA	No
WLF-A2-1	Fluoride	16	14	NA	1	0	NA	NA	Yes	No
WLF-A2-2	Fluoride	16	15	NA	Only 1 detected result.	NA	NA	NA	NA	No
WLF-A2-6	Fluoride	17	3	NA	0.09524	0.1857	NA	NA	No	No
WAP-1	Sulfate	27	3	NA	2.252, 1.806, 1.722	NA	2.859, 2.841, 2.822	NA	NA	No
WAP-17	Sulfate	25	0	NA	0.6493	0	NA	NA	Yes	No
WAP-18	Sulfate	24	0	NA	0.1227	0.4732	NA	NA	No	No
WAP-19	Sulfate	24	0	NA	0.1684	0.7753	NA	NA	No	No
WAP-9	Sulfate	27	0	NA	2.598, 2.923, 3.347	NA	2.859, 2.841, 2.822	NA	NA	No
WBW-1	Sulfate	24	0	NA	0.3634	0.2098	NA	NA	No	No
WLF-A2-1	Sulfate	16	0	NA	0.2474	0.9285	NA	NA	No	No
WLF-A2-2	Sulfate	16	0	NA	0.1073	0.213	NA	NA	No	No
WLF-A2-6	Sulfate	17	0	NA	0.3525	0.4797	NA	NA	No	No
WAP-1	Total Dissolved Solids (TDS)	28	1	NA	3.95, 2.739, 1.837	NA	2.876, 2.859, 2.841	NA	NA	No
WAP-17	Total Dissolved Solids (TDS)	25	0	NA	0.5829	0	NA	NA	Yes	No
WAP-18	Total Dissolved Solids (TDS)	24	0	NA	0.08167	0.2364	NA	NA	No	No
WAP-19	Total Dissolved Solids (TDS)	24	0	NA	0.04932	0.1067	NA	NA	No	No
WAP-9	Total Dissolved Solids (TDS)	27	0	NA	4.052, 2.992, 3.082	NA	2.859, 2.841, 2.822	NA	NA	No
WBW-1	Total Dissolved Solids (TDS)	23	4	NA	0.7558	0	NA	NA	Yes	No
WLF-A2-1	Total Dissolved Solids (TDS)	16	0	NA	0.3913	0.3806	NA	NA	No	No
WLF-A2-2	Total Dissolved Solids (TDS)	16	0	NA	0.1134	0.2376	NA	NA	No	No
WLF-A2-6	Total Dissolved Solids (TDS)	17	0	NA	0.05572	0.06474	NA	NA	No	No
WAP-1	pH, Field	27	0	NA	3.99, 3.637, 2.531	NA	2.859, 2.841, 2.822	NA	NA	No
WAP-17	pH, Field	26	0	NA	1.871, 1.995, 2.164	NA	2.841, 2.822, 2.802	NA	NA	No
WAP-18	pH, Field	26	0	NA	1.855, 1.893, 1.896	NA	2.841, 2.822, 2.802	NA	NA	No
WAP-19	pH, Field	27	0	NA	2.458, 2.304, 2.152	NA	2.859, 2.841, 2.822	NA	NA	No

Rosner or Dixon Test for Outliers (R programming, package = outliers, version 0.15, function = dixon.test or rosnerTest, non-detects substituted by reporting limit)

Location	Constituent	n	n, non-detects	Outlier Test	statistic	p-value (Dixon)	critical value (Rosner)	n of statistical outliers (significance level = 0.05, Rosner)	statistical outlier (significance level = 0.05, Dixon)	outlier removed
WAP-9	pH, Field	27	0	NA	3.056, 2.357, 2.466	NA	2.859, 2.841, 2.822	NA	NA	No
WBW-1	pH, Field	25	0	NA	0.2447	0.6954	NA	NA	No	No
WLF-A2-1	pH, Field	16	0	NA	0.06364	0.07769	NA	NA	No	No
WLF-A2-2	pH, Field	16	0	NA	0.3704	0.4601	NA	NA	No	No
WLF-A2-6	pH, Field	17	0	NA	0.4333	0.2114	NA	NA	No	No

Table A-4. Results of Mann Kendall and Thiel Sen Trend Tests

		Mann Kendall Trends		Secular Trend Evaluation for All Data Mann-Kendall Test (R programming, package = Kendall, version = 2.2.1, function = MannKendall, non-detects substituted by 0.5*reporting limit)							Secular Trend Evaluation for Recent Data (subset of 8 most recent data points) Mann-Kendall Test (R programming, package = Kendall, version = 2.2.1, function = MannKendall, non-detects substituted by 0.5*reporting limit)						
Location	Constituent	Trends, All Data	Trends, Recent Data	n	n, detected results	Coefficient of Variance	Kendall's Tau	p-value	Confidence Factor	Kendall Score (S)	n	n, detected results	recent data date range	Coefficient of Variance	Kendall's Tau	p-value	Confidence Factor	Kendall Score (S)
WAP-1	Boron	No Trend	Stable	24	24	0.308	0.0329	0.842	15.8	9	8	8	2020-02-03 to 2025-06-25	0.269	-0.0364	1	0	-1
WAP-17	Boron	Decreasing	No Trend	25	25	0.469	-0.384	0.00774	99.2	-115	8	8	2020-06-10 to 2025-07-14	0.0993	0.5	0.108	89.2	14
WAP-18	Boron	Decreasing	Decreasing	23	23	0.736	-0.39	0.0103	99	-98	8	8	2020-02-04 to 2025-07-08	0.401	-0.643	0.0354	96.5	-18
WAP-19	Boron	Probably Increasing	Increasing	23	23	0.198	0.275	0.0721	92.8	69	8	8	2020-02-04 to 2025-07-07	0.0718	0.964	0.00168	99.8	26
WAP-9	Boron	Decreasing	Stable	22	22	0.217	-0.578	0.000195	100	-133	8	8	2018-09-10 to 2025-06-26	0.255	-0.0364	1	0	-1
WBW-1	Boron	No Trend	No Trend	24	15	1.25	0.198	0.193	80.7	53	8	8	2020-02-03 to 2025-06-25	1.09	-0.143	0.711	28.9	-4
WLF-A2-1	Boron	Stable	Stable	16	16	0.542	-0.259	0.176	82.4	-31	8	8	2022-06-14 to 2025-07-09	0.304	-0.0714	0.902	9.8	-2
WLF-A2-2	Boron	Stable	Stable	16	16	0.413	-0.1	0.62	38	-12	8	8	2022-06-14 to 2025-07-09	0.037	-0.286	0.386	61.4	-8
WLF-A2-6	Boron	Stable	No Trend	17	17	0.359	-0.0889	0.65	35	-12	8	8	2021-10-27 to 2025-07-07	0.441	0.357	0.266	73.4	10
WAP-1	Calcium	Increasing	No Trend	27	25	1.24	0.374	0.0067	99.3	131	8	8	2020-02-03 to 2025-06-25	0.462	0.0714	0.902	9.8	2
WAP-17	Calcium	Decreasing	Increasing	25	25	0.298	-0.34	0.0183	98.2	-102	8	8	2020-06-10 to 2025-07-14	0.186	0.643	0.0354	96.5	18
WAP-18	Calcium	Decreasing	Stable	24	24	0.664	-0.681	0.00000351	100	-188	8	8	2020-02-04 to 2025-07-08	0.293	-0.143	0.711	28.9	-4
WAP-19	Calcium	No Trend	Increasing	24	24	0.43	0.192	0.197	80.3	53	8	8	2020-02-04 to 2025-07-07	0.336	0.786	0.00937	99.1	22
WAP-9	Calcium	No Trend	No Trend	27	27	0.431	0.134	0.337	66.3	47	8	8	2020-02-04 to 2025-06-26	0.358	0.214	0.536	46.4	6
WBW-1	Calcium	Increasing	Probably Decreasing	24	12	4.62	0.54	0.000599	99.9	130	8	8	2020-02-03 to 2025-06-25	0.292	-0.571	0.0635	93.7	-16
WLF-A2-1	Calcium	Stable	Stable	16	16	0.563	-0.267	0.163	83.7	-32	8	8	2022-06-14 to 2025-07-09	0.342	0	1	0	0
WLF-A2-2	Calcium	Stable	Stable	16	16	0.242	-0.126	0.528	47.2	-15	8	8	2022-06-14 to 2025-07-09	0.143	-0.5	0.108	89.2	-14
WLF-A2-6	Calcium	Increasing	Increasing	17	17	0.303	0.581	0.0016	99.8	77	8	8	2021-10-27 to 2025-07-07	0.256	0.889	0.00385	99.6	24
WAP-1	Chloride	Increasing	Stable	27	27	0.288	0.354	0.0103	99	124	8	8	2020-02-03 to 2025-06-25	0.19	-0.286	0.386	61.4	-8
WAP-17	Chloride	Decreasing	No Trend	25	25	0.653	-0.52	0.000295	100	-156	8	8	2020-06-10 to 2025-07-14	0.29	0.214	0.536	46.4	6
WAP-18	Chloride	Stable	Stable	24	24	0.962	-0.243	0.102	89.8	-67	8	8	2020-02-04 to 2025-07-08	0.39	-0.0714	0.902	9.8	-2
WAP-19	Chloride	Decreasing	Stable	24	24	0.652	-0.722	0.000000898	100	-199	8	8	2020-02-04 to 2025-07-07	0.208	-0.109	0.803	19.7	-3
WAP-9	Chloride	Decreasing	No Trend	27	27	0.353	-0.287	0.0388	96.1	-100	8	8	2020-02-04 to 2025-06-26	0.41	0.0714	0.902	9.8	2
WBW-1	Chloride	No Trend	Decreasing	24	24	0.468	0.214	0.15	85	59	8	8	2020-02-03 to 2025-06-25	0.471	-0.643	0.0354	96.5	-18
WLF-A2-1	Chloride	Decreasing	Stable	16	16	1.01	-0.583	0.00189	99.8	-70	8	8	2022-06-14 to 2025-07-09	0.684	-0.214	0.536	46.4	-6
WLF-A2-2	Chloride	Probably Decreasing	Decreasing	16	16	0.626	-0.333	0.0791	92.1	-40	8	8	2022-06-14 to 2025-07-09	0.518	-0.786	0.00937	99.1	-22
WLF-A2-6	Chloride	Increasing	Probably Increasing	17	17	0.982	0.706	0.0000911	100	96	8	8	2021-10-27 to 2025-07-07	0.505	0.571	0.0635	93.7	16
WAP-1	Fluoride	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	25	2	0.415	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-17	Fluoride	Decreasing	Not Evaluated - No detected results.	26	12	0.723	-0.301	0.047	95.3	-85	8	0	2020-06-10 to 2025-07-14	0.126	NA	NA	NA	NA
WAP-18	Fluoride	Stable	Increasing	25	18	0.879	-0.156	0.298	70.2	-45	8	2	2020-02-04 to 2025-07-08	0.558	0.681	0.0485	95.2	13
WAP-19	Fluoride	Increasing	No Trend	25	21	0.644	0.427	0.00359	99.6	125	8	8	2020-02-04 to 2025-07-07	0.506	0.286	0.386	61.4	8
WAP-9	Fluoride	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - Only one detected result.	25	2	0.281	NA	NA	NA	NA	8	1	2020-02-04 to 2025-06-26	0.314	NA	NA	NA	NA
WBW-1	Fluoride	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	25	1	0.192	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WLF-A2-1	Fluoride	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	16	2	0.713	NA	NA	NA	NA	8	0	2022-06-14 to 2025-07-09	0	NA	NA	NA	NA
WLF-A2-2	Fluoride	Not Evaluated - Only one detected result.	Not Evaluated - Only one detected result.	16	1	0.863	NA	NA	NA	NA	8	1	2022-06-14 to 2025-07-09	1	NA	NA	NA	NA
WLF-A2-6	Fluoride	Stable	Probably Decreasing	17	14	0.481	-0.292	0.116	88.4	-39	8	5	2021-10-27 to 2025-07-07	0.69	-0.567	0.0746	92.5	-15
WAP-1	Sulfate	Increasing	No Trend	27	24	0.713	0.532	0.000113	100	186	8	8	2020-02-03 to 2025-06-25	0.235	0.286	0.386	61.4	8
WAP-17	Sulfate	Stable	Increasing	25	25	0.367	-0.217	0.135	86.5	-65	8	8	2020-06-10 to 2025-07-14	0.14	0.714	0.0187	98.1	20
WAP-18	Sulfate	Decreasing	Stable	24	24	0.646	-0.686	0.00000309	100	-189	8	8	2020-02-04 to 2025-07-08	0.384	-0.255	0.454	54.6	-7
WAP-19	Sulfate	Probably Increasing	No Trend	24	24	0.418	0.283	0.0561	94.4	78	8	8	2020-02-04 to 2025-07-07	0.34	0.429	0.174	82.6	12
WAP-9	Sulfate	Increasing	No Trend	27	27	0.66	0.276	0.0454	95.5	97	8	8	2020-02-04 to 2025-06-26	0.448	0.5	0.108	89.2	14
WBW-1	Sulfate	Increasing	Stable	24	24	0.382	0.487	0.000963	99.9	134	8	8	2020-02-03 to 2025-06-25	0.318	-0.473	0.135	86.5	-13
WLF-A2-1	Sulfate	Probably Decreasing	Stable	16	16	0.576	-0.317	0.0957	90.4	-38	8	8	2022-06-14 to 2025-07-09	0.527	-0.429	0.174	82.6	-12
WLF-A2-2	Sulfate	Stable	Stable	16	16	0.366	-0.117	0.558	44.2	-14	8	8	2022-06-14 to 2025-07-09	0.186	-0.214	0.536	46.4	-6
WLF-A2-6	Sulfate	Increasing	Increasing	17	17	0.963	0.676	0.000178	100	92	8	8	2021-10-27 to 2025-07-07	0.581	0.714	0.0187	98.1	20
WAP-1	Total Dissolved Solids (TDS)	Probably Increasing	Stable	28	27	0.654	0.265	0.0504	95	100	8	8	2020-02-03 to 2025-06-25	0.268	-0.0714	0.902	9.8	-2
WAP-17	Total Dissolved Solids (TDS)	Decreasing	Increasing	25	25	0.287	-0.391	0.00673	99.3	-117	8	8	2020-06-10 to 2025-07-14	0.112	0.643	0.0354	96.5	18
WAP-18	Total Dissolved Solids (TDS)	Decreasing	Stable	24	24	0.531	-0.667	0.00000565	100	-184	8	8	2020-02-04 to 2025-07-08	0.246	-0.214	0.536	46.4	-6
WAP-19	Total Dissolved Solids (TDS)	No Trend	No Trend	24	24	0.298	0.217	0.143	85.7	60	8	8	2020-02-04 to 2025-07-07	0.28	0.5	0.108	89.2	14
WAP-9	Total Dissolved Solids (TDS)	No Trend	Stable	27	27	0.433	0.0427	0.77	23	15	8	8	2020-02-04 to 2025-06-26	0.471	-0.143	0.711	28.9	-4
WBW-1	Total Dissolved Solids (TDS)	No Trend	Decreasing	23	19	1.21	0.224	0.146	85.4	56	8	7	2020-02-03 to 2025-06-25	1.17	-0.643	0.0354	96.5	-18

Note:
Mann Kendall Trends are classified based on Aziz (2003) guidance.

		Mann Kendall Trends		Secular Trend Evaluation for All Data Mann-Kendall Test (R programming, package = Kendall, version = 2.2.1, function = MannKendall, non-detects substituted by 0.5*reporting limit)							Secular Trend Evaluation for Recent Data (subset of 8 most recent data points) Mann-Kendall Test (R programming, package = Kendall, version = 2.2.1, function = MannKendall, non-detects substituted by 0.5*reporting limit)						
Location	Constituent	Trends, All Data	Trends, Recent Data	n	n, detected results	Coefficient of Variance	Kendall's Tau	p-value	Confidence Factor	Kendall Score (S)	n	n, detected results	recent data date range	Coefficient of Variance	Kendall's Tau	p-value	Confidence Factor	Kendall Score (S)
WLF-A2-1	Total Dissolved Solids (TDS)	Probably Decreasing	Stable	16	16	0.629	-0.35	0.0649	93.5	-42	8	8	2022-06-14 to 2025-07-09	0.33	-0.143	0.711	28.9	-4
WLF-A2-2	Total Dissolved Solids (TDS)	Stable	Probably Decreasing	16	16	0.35	-0.183	0.344	65.6	-22	8	8	2022-06-14 to 2025-07-09	0.224	-0.571	0.0635	93.7	-16
WLF-A2-6	Total Dissolved Solids (TDS)	Increasing	Increasing	17	17	0.257	0.397	0.029	97.1	54	8	8	2021-10-27 to 2025-07-07	0.268	0.857	0.00443	99.6	24
WAP-1	pH, Field	Stable	Stable	27	27	0.161	0	1	0	0	8	8	2020-02-03 to 2025-06-25	0.0231	-0.357	0.266	73.4	-10
WAP-17	pH, Field	No Trend	Stable	26	26	0.0258	0.146	0.31	69	47	8	8	2020-06-10 to 2025-07-14	0.037	-0.5	0.108	89.2	-14
WAP-18	pH, Field	Decreasing	Stable	26	26	0.081	-0.311	0.0275	97.2	-101	8	8	2020-02-04 to 2025-07-08	0.0331	-0.0714	0.902	9.8	-2
WAP-19	pH, Field	No Trend	No Trend	27	27	0.0354	0.138	0.327	67.3	48	8	8	2020-06-17 to 2025-07-07	0.0407	0.143	0.711	28.9	4
WAP-9	pH, Field	Increasing	Stable	27	27	0.0342	0.376	0.00665	99.3	131	8	8	2020-02-04 to 2025-06-26	0.0549	-0.143	0.711	28.9	-4
WBW-1	pH, Field	No Trend	Stable	25	25	0.0632	0.124	0.4	60	37	8	8	2020-02-03 to 2025-06-25	0.0588	-0.182	0.618	38.2	-5
WLF-A2-1	pH, Field	Stable	No Trend	16	16	0.0786	-0.303	0.114	88.6	-36	8	8	2022-06-14 to 2025-07-09	0.0774	0.4	0.212	78.8	11
WLF-A2-2	pH, Field	Increasing	No Trend	16	16	0.0306	0.427	0.0242	97.6	51	8	8	2022-06-14 to 2025-07-09	0.0221	0.143	0.711	28.9	4
WLF-A2-6	pH, Field	Decreasing	No Trend	17	17	0.0256	-0.385	0.0353	96.5	-52	8	8	2021-10-27 to 2025-07-07	0.0285	0.109	0.803	19.7	3

Note:

Mann Kendall Trends are classified based on Aziz (2003) guidance.

Table A-5. Intrawell Prediction Limit Calculations

			Baseline Data Characterization [a]											Prediction Limits			95% Confidence Parametric Prediction Limit Calculation Details					Non-Parametric Prediction Limit Calculation Details	
Location	Constituent	Units	Baseline Distribution [a]	Prediction Interval Calculation	min baseline sample date	max baseline sample sample	n	n, non-detects	max	min	mean	standard deviation	Trend (Baseline Data)	Prediction Limit Calculation Method	UPL	LPL	degrees of freedom	future samples (M)	confidence level (%) for M sample comparisons	t (percentile of student's t-test)	t quantile	achieved confidence level (%)	false positive rate (%)
WAP-17	Boron	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2024-07-15	23	NA	14.2	2.8	5.15	2.487	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	14.2	NA	22	4	NA	NA	NA	85.2	14.8
WAP-18	Boron	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	22	NA	8.2	0.799	3.859	2.694	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	12.49	NA	21	4	99.75	0.9975	3.135	NA	NA
WAP-19	Boron	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2024-07-22	21	NA	6.19	1.99	4.054	0.8243	No Trend	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.714	NA	20	4	99.75	0.9975	3.153	NA	NA
WAP-9	Boron	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-25	21	NA	5.8	2.63	4.782	0.8385	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	7.489	NA	20	4	99.75	0.9975	3.153	NA	NA
WLF-A2-1	Boron	mg/L	Normal at 99% confidence	Parametric	2022-02-24	2024-07-16	14	NA	5.5	1.14	2.489	1.363	Probably Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	7.248	NA	13	4	99.75	0.9975	3.372	NA	NA
WLF-A2-2	Boron	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-23	2024-07-16	14	NA	5.04	1.36	2.735	1.172	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	5.04	NA	13	4	NA	NA	NA	77.8	22.2
WLF-A2-6	Boron	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	0.74	0.245	0.3805	0.1101	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.74	NA	15	4	NA	NA	NA	80	20
WAP-17	Calcium	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2024-07-15	23	NA	580	136	300.4	93.96	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	599.7	NA	22	4	99.75	0.9975	3.119	NA	NA
WAP-18	Calcium	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	23	NA	870	52.3	319.9	200.2	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	957.7	NA	22	4	99.75	0.9975	3.119	NA	NA
WAP-19	Calcium	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2024-07-22	22	NA	970	201	417.5	184	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	970	NA	21	4	NA	NA	NA	84.6	15.4
WAP-9	Calcium	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	26	NA	453	121	186.7	79.91	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	453	NA	25	4	NA	NA	NA	86.7	13.3
WLF-A2-1	Calcium	mg/L	Normal at 99% confidence	Parametric	2022-02-24	2024-07-16	14	NA	353	62.2	150.6	85.85	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	450.2	NA	13	4	99.75	0.9975	3.372	NA	NA
WLF-A2-2	Calcium	mg/L	Normal at 99% confidence	Parametric	2022-02-23	2024-07-16	14	NA	238	98.8	169.3	41.29	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	313.4	NA	13	4	99.75	0.9975	3.372	NA	NA
WLF-A2-6	Calcium	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	235	117	155.2	43.44	Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	235	NA	15	4	NA	NA	NA	80	20
WAP-17	Chloride	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2024-07-15	23	NA	769	45.3	262.9	172.4	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	812.2	NA	22	4	99.75	0.9975	3.119	NA	NA
WAP-18	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-27	23	NA	260	7.63	84.7	78.69	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	260	NA	22	4	NA	NA	NA	85.2	14.8
WAP-19	Chloride	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2024-07-22	22	NA	375	31.1	148.3	90.98	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	440	NA	21	4	99.75	0.9975	3.135	NA	NA
WAP-9	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	26	NA	229	77.7	126.3	41.66	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	229	NA	25	4	NA	NA	NA	86.7	13.3
WLF-A2-1	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-24	2024-07-16	14	NA	491	17.3	161.1	153.2	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	491	NA	13	4	NA	NA	NA	77.8	22.2
WLF-A2-2	Chloride	mg/L	Normal at 99% confidence	Parametric	2022-02-23	2024-07-16	14	NA	188	17.6	88.76	50.69	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	265.7	NA	13	4	99.75	0.9975	3.372	NA	NA

Note:

[a] 'Baseline' data refer to the entire statistical dataset, except the most recent data point. Baseline datasets were re-tested for outliers, secular trends, and data normality. No outliers were removed.

Prediction limits calculated using simple replacement with the reporting limit for non-detect results.

UPL = Upper Prediction Limit. LPL = Lower Prediction Limit, calculated for pH, Field only.

			Baseline Data Characterization [a]											Prediction Limits		95% Confidence Parametric Prediction Limit Calculation Details					Non-Parametric Prediction Limit Calculation Details	
Location	Constituent	Units	Baseline Distribution [a]	Prediction Interval Calculation	min baseline sample date	max baseline sample sample	n	n, non-detects	max	min	mean	standard deviation	Trend (Baseline Data)	Prediction Limit Calculation Method	UPL	LPL	degrees of freedom	future samples (M)	confidence level (%) for M sample comparisons	t (percentile of student's t-test)	t quantile	achieved confidence level (%)	false positive rate (%)
WLF-A2-6	Chloride	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	79.9	5.31	26.34	27.16	Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	79.9	NA	15	4	NA	NA	NA	80	20
WAP-17	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2024-07-15	24	12	0.32	0.1	0.1413	0.0606	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.32	NA	23	4	NA	NA	NA	85.7	14.3
WAP-18	Fluoride	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	24	7	2.51	0.1	0.9005	0.7371	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	3.236	NA	23	4	99.75	0.9975	3.104	NA	NA
WAP-19	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2024-07-22	23	4	0.6	0.1	0.2313	0.1403	Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.6	NA	22	4	NA	NA	NA	85.2	14.8
WAP-9	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	24	22	0.11	0.1	0.1004	0.002041	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.11	NA	23	4	NA	NA	NA	85.7	14.3
WLF-A2-1	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-24	2024-07-16	14	12	0.23	0.1	0.1093	0.03474	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.23	NA	13	4	NA	NA	NA	77.8	22.2
WLF-A2-2	Fluoride	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-23	2024-07-16	14	13	0.27	0.1	0.1121	0.04543	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.27	NA	13	4	NA	NA	NA	77.8	22.2
WLF-A2-6	Fluoride	mg/L	Normal at 99% confidence	Parametric	2021-04-08	2025-02-27	16	2	0.31	0.1	0.1986	0.07407	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	0.4495	NA	15	4	99.75	0.9975	3.286	NA	NA
WAP-17	Sulfate	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2024-07-15	23	NA	1810	348	760.4	291.8	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	1810	NA	22	4	NA	NA	NA	85.2	14.8
WAP-18	Sulfate	mg/L	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	23	NA	1160	6.69	610.6	369.3	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	1787	NA	22	4	99.75	0.9975	3.119	NA	NA
WAP-19	Sulfate	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2024-07-22	22	NA	1810	441	930.5	390.1	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	1810	NA	21	4	NA	NA	NA	84.6	15.4
WAP-9	Sulfate	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	26	NA	602	82.2	218.1	147.9	Probably Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	602	NA	25	4	NA	NA	NA	86.7	13.3
WLF-A2-1	Sulfate	mg/L	Normal at 99% confidence	Parametric	2022-02-24	2024-07-16	14	NA	739	119	331.1	191.6	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	1000	NA	13	4	99.75	0.9975	3.372	NA	NA
WLF-A2-2	Sulfate	mg/L	Normal at 99% confidence	Parametric	2022-02-23	2024-07-16	14	NA	552	166	342.4	125.5	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	780.3	NA	13	4	99.75	0.9975	3.372	NA	NA
WLF-A2-6	Sulfate	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	292	11.5	104.3	94.81	Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	292	NA	15	4	NA	NA	NA	80	20
WAP-17	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2024-07-15	23	NA	3140	812.5	1561	468.9	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	3140	NA	22	4	NA	NA	NA	85.2	14.8
WAP-18	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-27	23	NA	2182	327.5	1286	635.1	Decreasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	2182	NA	22	4	NA	NA	NA	85.2	14.8
WAP-19	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2024-07-22	22	NA	2891	1110	1794	516.9	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	2891	NA	21	4	NA	NA	NA	84.6	15.4
WAP-9	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-11	2025-02-25	26	NA	2745	711.2	1014	430.3	No Trend	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	2745	NA	25	4	NA	NA	NA	86.7	13.3
WLF-A2-1	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2022-02-24	2024-07-16	14	NA	2125	306.2	883.9	551.3	Stable	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	2125	NA	13	4	NA	NA	NA	77.8	22.2
WLF-A2-2	Total Dissolved Solids (TDS)	mg/L	Normal at 99% confidence	Parametric	2022-02-23	2024-07-16	14	NA	1281	433.8	844.7	290	Stable	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	1857	NA	13	4	99.75	0.9975	3.372	NA	NA

Note:

[a] `Baseline` data refer to the entire statistical dataset, except the most recent data point. Baseline datasets were re-tested for outliers, secular trends, and data normality. No outliers were removed.

Prediction limits calculated using simple replacement with the reporting limit for non-detect results.

UPL = Upper Prediction Limit. LPL = Lower Prediction Limit, calculated for pH, Field only.

			Baseline Data Characterization [a]											Prediction Limits								Non-Parametric Prediction Limit Calculation Details	
Location	Constituent	Units	Baseline Distribution [a]	Prediction Interval Calculation	min baseline sample date	max baseline sample sample	n	n, non-detects	max	min	mean	standard deviation	Trend (Baseline Data)	Prediction Limit Calculation Method	UPL	LPL	degrees of freedom	future samples (M)	confidence level (%) for M sample comparisons	t (percentile of student's t-test)	t quantile	achieved confidence level (%)	false positive rate (%)
WLF-A2-6	Total Dissolved Solids (TDS)	mg/L	Not normal at 99% confidence	Non-Parametric	2021-04-08	2025-02-27	16	NA	947.5	456.2	634	153.1	Probably Increasing	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	947.5	NA	15	4	NA	NA	NA	80	20
WAP-17	pH, Field	pH units	Normal at 99% confidence	Parametric	2015-11-11	2024-07-15	24	NA	6.35	5.78	6.067	0.1548	No Trend	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.558	5.577	23	4	99.75	0.9975	3.104	NA	NA
WAP-18	pH, Field	pH units	Normal at 99% confidence	Parametric	2015-11-11	2025-02-27	25	NA	6.8	5.21	6.155	0.4909	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	7.702	4.608	24	4	99.75	0.9975	3.091	NA	NA
WAP-19	pH, Field	pH units	Normal at 99% confidence	Parametric	2015-11-11	2024-07-22	25	NA	6.81	5.79	6.257	0.2288	No Trend	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.978	5.536	24	4	99.75	0.9975	3.091	NA	NA
WAP-9	pH, Field	pH units	Normal at 99% confidence	Parametric	2015-11-11	2025-02-25	26	NA	6.34	5.68	5.954	0.1639	Increasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.468	5.44	25	4	99.75	0.9975	3.078	NA	NA
WLF-A2-1	pH, Field	pH units	Normal at 99% confidence	Parametric	2022-02-24	2024-07-16	14	NA	5.7	4.48	5.122	0.431	Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.627	3.617	13	4	99.75	0.9975	3.372	NA	NA
WLF-A2-2	pH, Field	pH units	Normal at 99% confidence	Parametric	2022-02-23	2024-07-16	14	NA	6.01	5.43	5.775	0.1754	Probably Increasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.387	5.163	13	4	99.75	0.9975	3.372	NA	NA
WLF-A2-6	pH, Field	pH units	Normal at 99% confidence	Parametric	2021-04-08	2025-02-27	16	NA	6.6	5.99	6.406	0.1642	Probably Decreasing	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	6.963	5.85	15	4	99.75	0.9975	3.286	NA	NA

Note:

[a] `Baseline` data refer to the entire statistical dataset, except the most recent data point. Baseline datasets were re-tested for outliers, secular trends, and data normality. No outliers were removed.

Prediction limits calculated using simple replacement with the reporting limit for non-detect results.

UPL = Upper Prediction Limit. LPL = Lower Prediction Limit, calculated for pH, Field only.

Table A-6. Intrawell Prediction Limit Comparison & Statistically Significant Increases

Location	Constituent	Units	Sample Date	Sample Result	Upper Prediction Limit (UPL)	Lower Prediction Limit (LPL)	Intrawell SSI
WAP-9	pH, Field	pH units	2025-06-26	5.31	6.47	5.44	Yes (low)
WLF-A2-6	Boron	mg/L	2025-07-07	0.786	0.74	NA	Yes
WLF-A2-6	Calcium	mg/L	2025-07-07	258	235	NA	Yes
WLF-A2-6	Sulfate	mg/L	2025-07-07	407	292	NA	Yes
WLF-A2-6	Total Dissolved Solids (TDS)	mg/L	2025-07-07	957.5	947.5	NA	Yes
WAP-17	Boron	mg/L	2025-07-14	4.25	14.2	NA	No
WAP-18	Boron	mg/L	2025-07-08	0.372	12.5	NA	No
WAP-19	Boron	mg/L	2025-07-07	4.9	6.71	NA	No
WAP-9	Boron	mg/L	2025-06-26	2.02	7.49	NA	No
WLF-A2-1	Boron	mg/L	2025-07-09	1.83	7.25	NA	No
WLF-A2-2	Boron	mg/L	2025-07-09	2.34	5.04	NA	No
WAP-17	Calcium	mg/L	2025-07-14	318	599.7	NA	No
WAP-18	Calcium	mg/L	2025-07-08	32.6	957.7	NA	No
WAP-19	Calcium	mg/L	2025-07-07	655	970	NA	No
WAP-9	Calcium	mg/L	2025-06-26	122	453	NA	No
WLF-A2-1	Calcium	mg/L	2025-07-09	96.8	450.2	NA	No
WLF-A2-2	Calcium	mg/L	2025-07-09	139	313.4	NA	No
WAP-17	Chloride	mg/L	2025-07-14	132	812	NA	No
WAP-18	Chloride	mg/L	2025-07-08	9.26	260	NA	No
WAP-19	Chloride	mg/L	2025-07-07	52.9	440	NA	No
WAP-9	Chloride	mg/L	2025-06-26	47.3	229	NA	No
WLF-A2-1	Chloride	mg/L	2025-07-09	49.4	491	NA	No
WLF-A2-2	Chloride	mg/L	2025-07-09	31.9	266	NA	No
WLF-A2-6	Chloride	mg/L	2025-07-07	35.6	79.9	NA	No
WAP-17	Fluoride	mg/L	2025-07-14	< 0.1	0.32	NA	No
WAP-18	Fluoride	mg/L	2025-07-08	0.14	3.24	NA	No
WAP-19	Fluoride	mg/L	2025-07-07	0.29	0.6	NA	No
WAP-9	Fluoride	mg/L	2025-06-26	< 0.1	0.11	NA	No
WLF-A2-1	Fluoride	mg/L	2025-07-09	< 0.1	0.23	NA	No
WLF-A2-2	Fluoride	mg/L	2025-07-09	< 0.1	0.27	NA	No
WLF-A2-6	Fluoride	mg/L	2025-07-07	< 0.1	0.449	NA	No
WAP-17	Sulfate	mg/L	2025-07-14	795	1810	NA	No
WAP-18	Sulfate	mg/L	2025-07-08	46.1	1787	NA	No
WAP-19	Sulfate	mg/L	2025-07-07	1520	1810	NA	No
WAP-9	Sulfate	mg/L	2025-06-26	319	602	NA	No
WLF-A2-1	Sulfate	mg/L	2025-07-09	194	1000	NA	No
WLF-A2-2	Sulfate	mg/L	2025-07-09	252	780.3	NA	No
WAP-17	Total Dissolved Solids (TDS)	mg/L	2025-07-14	1540	3140	NA	No
WAP-18	Total Dissolved Solids (TDS)	mg/L	2025-07-08	210	2182	NA	No
WAP-19	Total Dissolved Solids (TDS)	mg/L	2025-07-07	2655	2891	NA	No
WAP-9	Total Dissolved Solids (TDS)	mg/L	2025-06-26	550	2745	NA	No
WLF-A2-1	Total Dissolved Solids (TDS)	mg/L	2025-07-09	532.5	2125	NA	No
WLF-A2-2	Total Dissolved Solids (TDS)	mg/L	2025-07-09	607.5	1857	NA	No
WAP-17	pH, Field	pH units	2025-07-14	6.07	6.56	5.58	No
WAP-18	pH, Field	pH units	2025-07-08	5.53	7.7	4.61	No
WAP-19	pH, Field	pH units	2025-07-07	6.4	6.98	5.54	No
WLF-A2-1	pH, Field	pH units	2025-07-09	5.25	6.63	3.62	No
WLF-A2-2	pH, Field	pH units	2025-07-09	5.87	6.39	5.16	No
WLF-A2-6	pH, Field	pH units	2025-07-07	6.25	6.96	5.85	No

Statistically Significant Increases (SSIs) include any sample results that exceed prediction limits. In other words, an SSI is any sample concentration greater than the UPL, or any sample concentration less than the LCL for pH, Field.

< indicates that the constituent was not detected above the method detection limit, the reporting detection limit is shown following the symbol.

Table A-7. Updated Baseline Data Set, January 2025

Location	Constituent	Sample Date	Result	Units
WAP-17	Boron	2024-07-15	4.22	mg/L
WAP-17	Boron	2024-02-13	3.61	mg/L
WAP-17	Boron	2023-07-10	4.01	mg/L
WAP-17	Boron	2023-03-08	4.33	mg/L
WAP-17	Boron	2022-07-12	3.8	mg/L
WAP-17	Boron	2022-02-24	3.53	mg/L
WAP-17	Boron	2021-08-02	4.1	mg/L
WAP-17	Boron	2021-04-08	3.3	mg/L
WAP-17	Boron	2021-03-02	2.8	mg/L
WAP-17	Boron	2020-06-10	3.6	mg/L
WAP-17	Boron	2020-02-05	3.5	mg/L
WAP-17	Boron	2019-05-30	3.7	mg/L
WAP-17	Boron	2018-09-11	5.6	mg/L
WAP-17	Boron	2018-06-05	3.6	mg/L
WAP-17	Boron	2017-10-02	5.7	mg/L
WAP-17	Boron	2017-09-18	6	mg/L
WAP-17	Boron	2017-04-10	4.9	mg/L
WAP-17	Boron	2017-01-10	6.66	mg/L
WAP-17	Boron	2016-10-18	6.79	mg/L
WAP-17	Boron	2016-06-20	5.61	mg/L
WAP-17	Boron	2016-04-26	5.45	mg/L
WAP-17	Boron	2016-01-19	9.43	mg/L
WAP-17	Boron	2015-11-11	14.2	mg/L
WAP-18	Boron	2025-02-27	0.946	mg/L
WAP-18	Boron	2024-07-15	0.811	mg/L
WAP-18	Boron	2024-02-12	0.799	mg/L
WAP-18	Boron	2023-07-05	1.19	mg/L
WAP-18	Boron	2023-03-09	1.53	mg/L
WAP-18	Boron	2022-07-07	1.7	mg/L
WAP-18	Boron	2022-02-23	1.21	mg/L
WAP-18	Boron	2021-08-04	3.5	mg/L
WAP-18	Boron	2021-02-16	7.5	mg/L
WAP-18	Boron	2020-06-17	5.1	mg/L
WAP-18	Boron	2020-02-04	5	mg/L
WAP-18	Boron	2018-09-17	7.7	mg/L
WAP-18	Boron	2018-06-06	8.2	mg/L
WAP-18	Boron	2017-10-04	7.7	mg/L
WAP-18	Boron	2017-09-21	8.2	mg/L
WAP-18	Boron	2017-04-12	5.8	mg/L
WAP-18	Boron	2017-01-12	3.9	mg/L
WAP-18	Boron	2016-10-20	3.75	mg/L
WAP-18	Boron	2016-06-21	2.5	mg/L
WAP-18	Boron	2016-04-27	1.21	mg/L
WAP-18	Boron	2016-01-12	1.85	mg/L
WAP-18	Boron	2015-11-11	4.81	mg/L
WAP-19	Boron	2024-07-22	4.66	mg/L
WAP-19	Boron	2024-02-08	4.32	mg/L
WAP-19	Boron	2023-07-06	4.32	mg/L
WAP-19	Boron	2023-03-07	4.2	mg/L
WAP-19	Boron	2022-07-13	4.1	mg/L
WAP-19	Boron	2022-02-22	3.99	mg/L
WAP-19	Boron	2021-08-03	4	mg/L
WAP-19	Boron	2021-02-16	3.5	mg/L
WAP-19	Boron	2020-06-17	4.1	mg/L
WAP-19	Boron	2020-02-04	3.6	mg/L
WAP-19	Boron	2018-09-17	4.4	mg/L
WAP-19	Boron	2018-06-06	3.8	mg/L
WAP-19	Boron	2017-10-04	4.6	mg/L
WAP-19	Boron	2017-09-21	4.6	mg/L
WAP-19	Boron	2017-04-12	3.3	mg/L
WAP-19	Boron	2017-01-12	4.3	mg/L
WAP-19	Boron	2016-10-20	4.61	mg/L
WAP-19	Boron	2016-06-21	2.65	mg/L
WAP-19	Boron	2016-04-27	1.99	mg/L
WAP-19	Boron	2016-01-12	3.9	mg/L
WAP-19	Boron	2015-11-11	6.19	mg/L

Location	Constituent	Sample Date	Result	Units
WAP-9	Boron	2025-02-25	4.47	mg/L
WAP-9	Boron	2024-07-02	4.18	mg/L
WAP-9	Boron	2024-02-07	4.47	mg/L
WAP-9	Boron	2023-06-29	3.25	mg/L
WAP-9	Boron	2023-02-27	2.63	mg/L
WAP-9	Boron	2022-07-13	3.5	mg/L
WAP-9	Boron	2022-02-22	4.32	mg/L
WAP-9	Boron	2021-08-02	4.6	mg/L
WAP-9	Boron	2020-06-03	4.8	mg/L
WAP-9	Boron	2019-05-30	5.6	mg/L
WAP-9	Boron	2018-09-10	5.4	mg/L
WAP-9	Boron	2018-06-05	5.2	mg/L
WAP-9	Boron	2017-10-02	5.1	mg/L
WAP-9	Boron	2017-09-18	5.2	mg/L
WAP-9	Boron	2017-04-10	5.8	mg/L
WAP-9	Boron	2017-01-10	5.46	mg/L
WAP-9	Boron	2016-10-18	5.16	mg/L
WAP-9	Boron	2016-06-20	5.26	mg/L
WAP-9	Boron	2016-04-26	4.92	mg/L
WAP-9	Boron	2016-01-19	5.72	mg/L
WAP-9	Boron	2015-11-11	5.39	mg/L
WLF-A2-1	Boron	2024-07-16	1.6	mg/L
WLF-A2-1	Boron	2024-02-13	1.48	mg/L
WLF-A2-1	Boron	2023-07-05	1.19	mg/L
WLF-A2-1	Boron	2023-03-01	2.8	mg/L
WLF-A2-1	Boron	2022-12-07	1.76	mg/L
WLF-A2-1	Boron	2022-10-20	2.66	mg/L
WLF-A2-1	Boron	2022-09-13	3.68	mg/L
WLF-A2-1	Boron	2022-08-08	1.4	mg/L
WLF-A2-1	Boron	2022-07-07	1.6	mg/L
WLF-A2-1	Boron	2022-06-14	1.14	mg/L
WLF-A2-1	Boron	2022-05-17	3.93	mg/L
WLF-A2-1	Boron	2022-04-26	1.82	mg/L
WLF-A2-1	Boron	2022-03-15	5.5	mg/L
WLF-A2-1	Boron	2022-02-24	4.28	mg/L
WLF-A2-2	Boron	2024-07-16	2.28	mg/L
WLF-A2-2	Boron	2024-02-13	2.21	mg/L
WLF-A2-2	Boron	2023-07-12	2.32	mg/L
WLF-A2-2	Boron	2023-03-01	2.33	mg/L
WLF-A2-2	Boron	2022-12-06	2.22	mg/L
WLF-A2-2	Boron	2022-10-20	2.41	mg/L
WLF-A2-2	Boron	2022-09-13	2.81	mg/L
WLF-A2-2	Boron	2022-08-08	2.1	mg/L
WLF-A2-2	Boron	2022-07-07	1.8	mg/L
WLF-A2-2	Boron	2022-06-14	1.36	mg/L
WLF-A2-2	Boron	2022-05-17	5.04	mg/L
WLF-A2-2	Boron	2022-04-26	2.02	mg/L
WLF-A2-2	Boron	2022-03-15	4.7	mg/L
WLF-A2-2	Boron	2022-02-23	4.69	mg/L
WLF-A2-6	Boron	2025-02-27	0.377	mg/L
WLF-A2-6	Boron	2024-07-15	0.395	mg/L
WLF-A2-6	Boron	2024-02-08	0.255	mg/L
WLF-A2-6	Boron	2023-07-06	0.309	mg/L
WLF-A2-6	Boron	2023-02-16	0.245	mg/L
WLF-A2-6	Boron	2022-08-08	0.38	mg/L
WLF-A2-6	Boron	2022-07-14	0.35	mg/L
WLF-A2-6	Boron	2022-02-24	0.337	mg/L
WLF-A2-6	Boron	2021-12-07	0.74	mg/L
WLF-A2-6	Boron	2021-11-18	0.41	mg/L
WLF-A2-6	Boron	2021-10-27	0.42	mg/L
WLF-A2-6	Boron	2021-09-28	0.36	mg/L
WLF-A2-6	Boron	2021-09-01	0.37	mg/L
WLF-A2-6	Boron	2021-08-04	0.41	mg/L
WLF-A2-6	Boron	2021-05-13	0.42	mg/L
WLF-A2-6	Boron	2021-04-08	0.31	mg/L
WAP-17	Calcium	2024-07-15	315	mg/L
WAP-17	Calcium	2024-02-13	331	mg/L
WAP-17	Calcium	2023-07-10	253	mg/L

Location	Constituent	Sample Date	Result	Units
WAP-17	Calcium	2023-03-08	260	mg/L
WAP-17	Calcium	2022-07-12	240	mg/L
WAP-17	Calcium	2022-02-24	186	mg/L
WAP-17	Calcium	2021-08-02	247	mg/L
WAP-17	Calcium	2021-04-08	180	mg/L
WAP-17	Calcium	2021-03-02	136	mg/L
WAP-17	Calcium	2020-06-10	208	mg/L
WAP-17	Calcium	2020-02-05	220	mg/L
WAP-17	Calcium	2019-05-30	340	mg/L
WAP-17	Calcium	2018-09-11	273	mg/L
WAP-17	Calcium	2018-06-05	303	mg/L
WAP-17	Calcium	2017-10-02	350	mg/L
WAP-17	Calcium	2017-09-18	361	mg/L
WAP-17	Calcium	2017-04-10	359	mg/L
WAP-17	Calcium	2017-01-10	379	mg/L
WAP-17	Calcium	2016-10-18	424	mg/L
WAP-17	Calcium	2016-06-20	309	mg/L
WAP-17	Calcium	2016-04-26	325	mg/L
WAP-17	Calcium	2016-01-19	330	mg/L
WAP-17	Calcium	2015-11-11	580	mg/L
WAP-18	Calcium	2025-02-27	88.3	mg/L
WAP-18	Calcium	2024-07-15	75.5	mg/L
WAP-18	Calcium	2024-02-12	69	mg/L
WAP-18	Calcium	2023-07-05	92.6	mg/L
WAP-18	Calcium	2023-03-09	94.4	mg/L
WAP-18	Calcium	2022-07-07	76	mg/L
WAP-18	Calcium	2022-02-23	52.3	mg/L
WAP-18	Calcium	2021-08-04	335	mg/L
WAP-18	Calcium	2021-02-16	324	mg/L
WAP-18	Calcium	2020-06-17	275	mg/L
WAP-18	Calcium	2020-02-04	331	mg/L
WAP-18	Calcium	2019-06-05	302	mg/L
WAP-18	Calcium	2018-09-17	359	mg/L
WAP-18	Calcium	2018-06-06	870	mg/L
WAP-18	Calcium	2017-10-04	360	mg/L
WAP-18	Calcium	2017-09-21	422	mg/L
WAP-18	Calcium	2017-04-12	463	mg/L
WAP-18	Calcium	2017-01-12	493	mg/L
WAP-18	Calcium	2016-10-20	509	mg/L
WAP-18	Calcium	2016-06-21	488	mg/L
WAP-18	Calcium	2016-04-27	448	mg/L
WAP-18	Calcium	2016-01-12	370	mg/L
WAP-18	Calcium	2015-11-11	460	mg/L
WAP-19	Calcium	2024-07-22	711	mg/L
WAP-19	Calcium	2024-02-08	646	mg/L
WAP-19	Calcium	2023-07-06	639	mg/L
WAP-19	Calcium	2023-03-07	601	mg/L
WAP-19	Calcium	2022-07-13	320	mg/L
WAP-19	Calcium	2022-02-22	201	mg/L
WAP-19	Calcium	2021-08-03	342	mg/L
WAP-19	Calcium	2021-02-16	325	mg/L
WAP-19	Calcium	2020-06-17	306	mg/L
WAP-19	Calcium	2020-02-04	288	mg/L
WAP-19	Calcium	2019-06-06	250	mg/L
WAP-19	Calcium	2018-09-17	333	mg/L
WAP-19	Calcium	2018-06-06	970	mg/L
WAP-19	Calcium	2017-10-04	340	mg/L
WAP-19	Calcium	2017-09-21	371	mg/L
WAP-19	Calcium	2017-04-12	321	mg/L
WAP-19	Calcium	2017-01-12	315	mg/L
WAP-19	Calcium	2016-10-20	396	mg/L
WAP-19	Calcium	2016-06-21	350	mg/L
WAP-19	Calcium	2016-04-27	360	mg/L
WAP-19	Calcium	2016-01-12	320	mg/L
WAP-19	Calcium	2015-11-11	480	mg/L
WAP-9	Calcium	2025-02-25	298	mg/L
WAP-9	Calcium	2024-07-02	313	mg/L
WAP-9	Calcium	2024-02-07	345	mg/L

Location	Constituent	Sample Date	Result	Units
WAP-9	Calcium	2023-06-29	232	mg/L
WAP-9	Calcium	2023-02-27	203	mg/L
WAP-9	Calcium	2022-07-13	158	mg/L
WAP-9	Calcium	2022-02-22	161	mg/L
WAP-9	Calcium	2021-08-02	182	mg/L
WAP-9	Calcium	2021-02-23	121	mg/L
WAP-9	Calcium	2020-06-03	148	mg/L
WAP-9	Calcium	2020-02-04	137	mg/L
WAP-9	Calcium	2019-05-30	130	mg/L
WAP-9	Calcium	2019-02-05	153	mg/L
WAP-9	Calcium	2018-09-10	149	mg/L
WAP-9	Calcium	2018-06-05	140	mg/L
WAP-9	Calcium	2018-01-31	148	mg/L
WAP-9	Calcium	2017-10-02	130	mg/L
WAP-9	Calcium	2017-09-18	157	mg/L
WAP-9	Calcium	2017-06-19	147	mg/L
WAP-9	Calcium	2017-04-10	133	mg/L
WAP-9	Calcium	2017-01-10	143	mg/L
WAP-9	Calcium	2016-10-18	453	mg/L
WAP-9	Calcium	2016-06-20	138	mg/L
WAP-9	Calcium	2016-04-26	165	mg/L
WAP-9	Calcium	2016-01-19	170	mg/L
WAP-9	Calcium	2015-11-11	200	mg/L
WLF-A2-1	Calcium	2024-07-16	95.8	mg/L
WLF-A2-1	Calcium	2024-02-13	193	mg/L
WLF-A2-1	Calcium	2023-07-05	62.2	mg/L
WLF-A2-1	Calcium	2023-03-01	138	mg/L
WLF-A2-1	Calcium	2022-12-07	108	mg/L
WLF-A2-1	Calcium	2022-10-20	97.1	mg/L
WLF-A2-1	Calcium	2022-09-13	136	mg/L
WLF-A2-1	Calcium	2022-08-08	89	mg/L
WLF-A2-1	Calcium	2022-07-07	99	mg/L
WLF-A2-1	Calcium	2022-06-14	82.7	mg/L
WLF-A2-1	Calcium	2022-05-17	250	mg/L
WLF-A2-1	Calcium	2022-04-26	128	mg/L
WLF-A2-1	Calcium	2022-03-15	353	mg/L
WLF-A2-1	Calcium	2022-02-24	276	mg/L
WLF-A2-2	Calcium	2024-07-16	143	mg/L
WLF-A2-2	Calcium	2024-02-13	182	mg/L
WLF-A2-2	Calcium	2023-07-12	189	mg/L
WLF-A2-2	Calcium	2023-03-01	191	mg/L
WLF-A2-2	Calcium	2022-12-06	184	mg/L
WLF-A2-2	Calcium	2022-10-20	159	mg/L
WLF-A2-2	Calcium	2022-09-13	182	mg/L
WLF-A2-2	Calcium	2022-08-08	150	mg/L
WLF-A2-2	Calcium	2022-07-07	130	mg/L
WLF-A2-2	Calcium	2022-06-14	98.8	mg/L
WLF-A2-2	Calcium	2022-05-17	238	mg/L
WLF-A2-2	Calcium	2022-04-26	103	mg/L
WLF-A2-2	Calcium	2022-03-15	228	mg/L
WLF-A2-2	Calcium	2022-02-23	192	mg/L
WLF-A2-6	Calcium	2025-02-27	235	mg/L
WLF-A2-6	Calcium	2024-07-15	234	mg/L
WLF-A2-6	Calcium	2024-02-08	235	mg/L
WLF-A2-6	Calcium	2023-07-06	193	mg/L
WLF-A2-6	Calcium	2023-02-16	166	mg/L
WLF-A2-6	Calcium	2022-08-08	130	mg/L
WLF-A2-6	Calcium	2022-07-14	130	mg/L
WLF-A2-6	Calcium	2022-02-24	118	mg/L
WLF-A2-6	Calcium	2021-12-07	130	mg/L
WLF-A2-6	Calcium	2021-11-18	134	mg/L
WLF-A2-6	Calcium	2021-10-27	133	mg/L
WLF-A2-6	Calcium	2021-09-28	136	mg/L
WLF-A2-6	Calcium	2021-09-01	131	mg/L
WLF-A2-6	Calcium	2021-08-04	132	mg/L
WLF-A2-6	Calcium	2021-05-13	130	mg/L
WLF-A2-6	Calcium	2021-04-08	117	mg/L
WAP-17	Chloride	2024-07-15	240	mg/L

Location	Constituent	Sample Date	Result	Units
WAP-17	Chloride	2024-02-13	169	mg/L
WAP-17	Chloride	2023-07-10	105	mg/L
WAP-17	Chloride	2023-03-08	189	mg/L
WAP-17	Chloride	2022-07-12	185	mg/L
WAP-17	Chloride	2022-02-24	117	mg/L
WAP-17	Chloride	2021-08-02	198	mg/L
WAP-17	Chloride	2021-04-08	66.6	mg/L
WAP-17	Chloride	2021-03-02	45.3	mg/L
WAP-17	Chloride	2020-06-10	76.8	mg/L
WAP-17	Chloride	2020-02-05	115	mg/L
WAP-17	Chloride	2019-05-30	249	mg/L
WAP-17	Chloride	2018-09-11	232	mg/L
WAP-17	Chloride	2018-06-05	239	mg/L
WAP-17	Chloride	2017-10-02	326	mg/L
WAP-17	Chloride	2017-09-18	332	mg/L
WAP-17	Chloride	2017-04-10	614	mg/L
WAP-17	Chloride	2017-01-10	347	mg/L
WAP-17	Chloride	2016-10-18	416	mg/L
WAP-17	Chloride	2016-06-20	311	mg/L
WAP-17	Chloride	2016-04-26	329	mg/L
WAP-17	Chloride	2016-01-19	377	mg/L
WAP-17	Chloride	2015-11-11	769	mg/L
WAP-18	Chloride	2025-02-27	39	mg/L
WAP-18	Chloride	2024-07-15	46.4	mg/L
WAP-18	Chloride	2024-02-12	29.3	mg/L
WAP-18	Chloride	2023-07-05	54.4	mg/L
WAP-18	Chloride	2023-03-09	47.1	mg/L
WAP-18	Chloride	2022-07-07	37	mg/L
WAP-18	Chloride	2022-02-23	28	mg/L
WAP-18	Chloride	2021-08-04	92.1	mg/L
WAP-18	Chloride	2021-02-16	27.5	mg/L
WAP-18	Chloride	2020-06-17	19.6	mg/L
WAP-18	Chloride	2020-02-04	40.9	mg/L
WAP-18	Chloride	2019-06-05	7.63	mg/L
WAP-18	Chloride	2018-09-17	232	mg/L
WAP-18	Chloride	2018-06-06	232	mg/L
WAP-18	Chloride	2017-10-04	149	mg/L
WAP-18	Chloride	2017-09-21	231	mg/L
WAP-18	Chloride	2017-04-12	260	mg/L
WAP-18	Chloride	2017-01-12	67	mg/L
WAP-18	Chloride	2016-10-20	70.2	mg/L
WAP-18	Chloride	2016-06-21	92.6	mg/L
WAP-18	Chloride	2016-04-27	49	mg/L
WAP-18	Chloride	2016-01-12	15.3	mg/L
WAP-18	Chloride	2015-11-11	81	mg/L
WAP-19	Chloride	2024-07-22	31.1	mg/L
WAP-19	Chloride	2024-02-08	56.7	mg/L
WAP-19	Chloride	2023-07-06	33.5	mg/L
WAP-19	Chloride	2023-03-07	45.5	mg/L
WAP-19	Chloride	2022-07-13	55	mg/L
WAP-19	Chloride	2022-02-22	51.6	mg/L
WAP-19	Chloride	2021-08-03	122	mg/L
WAP-19	Chloride	2021-02-16	64.8	mg/L
WAP-19	Chloride	2020-06-17	73.3	mg/L
WAP-19	Chloride	2020-02-04	116	mg/L
WAP-19	Chloride	2019-06-06	213	mg/L
WAP-19	Chloride	2018-09-17	201	mg/L
WAP-19	Chloride	2018-06-06	209	mg/L
WAP-19	Chloride	2017-10-04	193	mg/L
WAP-19	Chloride	2017-09-21	212	mg/L
WAP-19	Chloride	2017-04-12	222	mg/L
WAP-19	Chloride	2017-01-12	227	mg/L
WAP-19	Chloride	2016-10-20	240	mg/L
WAP-19	Chloride	2016-06-21	134	mg/L
WAP-19	Chloride	2016-04-27	155	mg/L
WAP-19	Chloride	2016-01-12	233	mg/L
WAP-19	Chloride	2015-11-11	375	mg/L
WAP-9	Chloride	2025-02-25	113	mg/L

Location	Constituent	Sample Date	Result	Units
WAP-9	Chloride	2024-07-02	176	mg/L
WAP-9	Chloride	2024-02-07	205	mg/L
WAP-9	Chloride	2023-06-29	166	mg/L
WAP-9	Chloride	2023-02-27	163	mg/L
WAP-9	Chloride	2022-07-13	83.8	mg/L
WAP-9	Chloride	2022-02-22	98.4	mg/L
WAP-9	Chloride	2021-08-02	77.7	mg/L
WAP-9	Chloride	2021-02-23	83.9	mg/L
WAP-9	Chloride	2020-06-03	95.6	mg/L
WAP-9	Chloride	2020-02-04	110	mg/L
WAP-9	Chloride	2019-05-30	92.3	mg/L
WAP-9	Chloride	2019-02-05	109	mg/L
WAP-9	Chloride	2018-09-10	108	mg/L
WAP-9	Chloride	2018-06-05	98.8	mg/L
WAP-9	Chloride	2018-01-31	108	mg/L
WAP-9	Chloride	2017-10-02	100	mg/L
WAP-9	Chloride	2017-09-18	99.2	mg/L
WAP-9	Chloride	2017-06-19	108	mg/L
WAP-9	Chloride	2017-04-10	109	mg/L
WAP-9	Chloride	2017-01-10	117	mg/L
WAP-9	Chloride	2016-10-18	120	mg/L
WAP-9	Chloride	2016-06-20	167	mg/L
WAP-9	Chloride	2016-04-26	141	mg/L
WAP-9	Chloride	2016-01-19	229	mg/L
WAP-9	Chloride	2015-11-11	205	mg/L
WLF-A2-1	Chloride	2024-07-16	42.2	mg/L
WLF-A2-1	Chloride	2024-02-13	42.9	mg/L
WLF-A2-1	Chloride	2023-07-05	17.3	mg/L
WLF-A2-1	Chloride	2023-03-01	142	mg/L
WLF-A2-1	Chloride	2022-12-07	68.2	mg/L
WLF-A2-1	Chloride	2022-10-20	139	mg/L
WLF-A2-1	Chloride	2022-09-13	177	mg/L
WLF-A2-1	Chloride	2022-08-08	65.6	mg/L
WLF-A2-1	Chloride	2022-07-07	80	mg/L
WLF-A2-1	Chloride	2022-06-14	95.2	mg/L
WLF-A2-1	Chloride	2022-05-17	316	mg/L
WLF-A2-1	Chloride	2022-04-26	115	mg/L
WLF-A2-1	Chloride	2022-03-15	464	mg/L
WLF-A2-1	Chloride	2022-02-24	491	mg/L
WLF-A2-2	Chloride	2024-07-16	29.2	mg/L
WLF-A2-2	Chloride	2024-02-13	49.8	mg/L
WLF-A2-2	Chloride	2023-07-12	94.8	mg/L
WLF-A2-2	Chloride	2023-03-01	98.9	mg/L
WLF-A2-2	Chloride	2022-12-06	101	mg/L
WLF-A2-2	Chloride	2022-10-20	105	mg/L
WLF-A2-2	Chloride	2022-09-13	132	mg/L
WLF-A2-2	Chloride	2022-08-08	65.5	mg/L
WLF-A2-2	Chloride	2022-07-07	47.4	mg/L
WLF-A2-2	Chloride	2022-06-14	31.4	mg/L
WLF-A2-2	Chloride	2022-05-17	188	mg/L
WLF-A2-2	Chloride	2022-04-26	17.6	mg/L
WLF-A2-2	Chloride	2022-03-15	142	mg/L
WLF-A2-2	Chloride	2022-02-23	140	mg/L
WLF-A2-6	Chloride	2025-02-27	70.2	mg/L
WLF-A2-6	Chloride	2024-07-15	79.9	mg/L
WLF-A2-6	Chloride	2024-02-08	76.4	mg/L
WLF-A2-6	Chloride	2023-07-06	48	mg/L
WLF-A2-6	Chloride	2023-02-16	32.7	mg/L
WLF-A2-6	Chloride	2022-08-08	21.4	mg/L
WLF-A2-6	Chloride	2022-07-14	21.1	mg/L
WLF-A2-6	Chloride	2022-02-24	19.5	mg/L
WLF-A2-6	Chloride	2021-12-07	10.9	mg/L
WLF-A2-6	Chloride	2021-11-18	5.77	mg/L
WLF-A2-6	Chloride	2021-10-27	5.75	mg/L
WLF-A2-6	Chloride	2021-09-28	5.39	mg/L
WLF-A2-6	Chloride	2021-09-01	5.31	mg/L
WLF-A2-6	Chloride	2021-08-04	6	mg/L
WLF-A2-6	Chloride	2021-05-13	6.72	mg/L

Location	Constituent	Sample Date	Result	Units
WLF-A2-6	Chloride	2021-04-08	6.47	mg/L
WAP-17	Fluoride	2024-07-15	< 0.1	mg/L
WAP-17	Fluoride	2024-02-13	< 0.1	mg/L
WAP-17	Fluoride	2023-07-10	< 0.1	mg/L
WAP-17	Fluoride	2023-03-08	< 0.1	mg/L
WAP-17	Fluoride	2022-07-12	< 0.1	mg/L
WAP-17	Fluoride	2022-02-24	< 0.1	mg/L
WAP-17	Fluoride	2021-08-02	< 0.1	mg/L
WAP-17	Fluoride	2021-04-08	< 0.1	mg/L
WAP-17	Fluoride	2021-03-02	0.32	mg/L
WAP-17	Fluoride	2020-06-10	0.18	mg/L
WAP-17	Fluoride	2020-02-05	0.22	mg/L
WAP-17	Fluoride	2019-05-30	0.23	mg/L
WAP-17	Fluoride	2019-02-05	0.17	mg/L
WAP-17	Fluoride	2018-09-11	< 0.1	mg/L
WAP-17	Fluoride	2018-06-05	0.16	mg/L
WAP-17	Fluoride	2017-10-02	< 0.1	mg/L
WAP-17	Fluoride	2017-09-18	< 0.1	mg/L
WAP-17	Fluoride	2017-04-10	0.17	mg/L
WAP-17	Fluoride	2017-01-10	0.14	mg/L
WAP-17	Fluoride	2016-10-18	0.14	mg/L
WAP-17	Fluoride	2016-06-20	0.11	mg/L
WAP-17	Fluoride	2016-04-26	0.1	mg/L
WAP-17	Fluoride	2016-01-19	0.25	mg/L
WAP-17	Fluoride	2015-11-11	< 0.1	mg/L
WAP-18	Fluoride	2025-02-27	0.132	mg/L
WAP-18	Fluoride	2024-07-15	< 0.1	mg/L
WAP-18	Fluoride	2024-02-12	< 0.1	mg/L
WAP-18	Fluoride	2023-07-05	< 0.1	mg/L
WAP-18	Fluoride	2023-03-09	< 0.1	mg/L
WAP-18	Fluoride	2022-07-07	< 0.1	mg/L
WAP-18	Fluoride	2022-02-23	< 0.1	mg/L
WAP-18	Fluoride	2021-08-04	2.51	mg/L
WAP-18	Fluoride	2021-02-16	1.39	mg/L
WAP-18	Fluoride	2020-06-17	1.48	mg/L
WAP-18	Fluoride	2020-02-04	1.34	mg/L
WAP-18	Fluoride	2019-06-05	0.12	mg/L
WAP-18	Fluoride	2019-02-07	1.88	mg/L
WAP-18	Fluoride	2018-09-17	1.46	mg/L
WAP-18	Fluoride	2018-06-06	1.57	mg/L
WAP-18	Fluoride	2017-10-04	2	mg/L
WAP-18	Fluoride	2017-09-21	1.2	mg/L
WAP-18	Fluoride	2017-04-12	1.5	mg/L
WAP-18	Fluoride	2017-01-12	0.91	mg/L
WAP-18	Fluoride	2016-10-20	0.85	mg/L
WAP-18	Fluoride	2016-06-21	0.8	mg/L
WAP-18	Fluoride	2016-04-27	0.71	mg/L
WAP-18	Fluoride	2016-01-12	1.06	mg/L
WAP-18	Fluoride	2015-11-11	< 0.1	mg/L
WAP-19	Fluoride	2024-07-22	0.34	mg/L
WAP-19	Fluoride	2024-02-08	0.19	mg/L
WAP-19	Fluoride	2023-07-06	0.18	mg/L
WAP-19	Fluoride	2023-03-07	0.21	mg/L
WAP-19	Fluoride	2022-07-13	0.6	mg/L
WAP-19	Fluoride	2022-02-22	0.17	mg/L
WAP-19	Fluoride	2021-08-03	0.26	mg/L
WAP-19	Fluoride	2021-02-16	0.17	mg/L
WAP-19	Fluoride	2020-06-17	0.17	mg/L
WAP-19	Fluoride	2020-02-04	0.58	mg/L
WAP-19	Fluoride	2019-06-06	0.23	mg/L
WAP-19	Fluoride	2019-02-07	0.35	mg/L
WAP-19	Fluoride	2018-09-17	0.12	mg/L
WAP-19	Fluoride	2018-06-06	0.36	mg/L
WAP-19	Fluoride	2017-10-04	0.18	mg/L
WAP-19	Fluoride	2017-09-21	< 0.1	mg/L
WAP-19	Fluoride	2017-04-12	0.34	mg/L
WAP-19	Fluoride	2017-01-12	0.19	mg/L
WAP-19	Fluoride	2016-10-20	0.11	mg/L

Location	Constituent	Sample Date	Result	Units
WAP-19	Fluoride	2016-06-21	< 0.1	mg/L
WAP-19	Fluoride	2016-04-27	0.17	mg/L
WAP-19	Fluoride	2016-01-12	< 0.1	mg/L
WAP-19	Fluoride	2015-11-11	< 0.1	mg/L
WAP-9	Fluoride	2025-02-25	< 0.1	mg/L
WAP-9	Fluoride	2024-07-02	< 0.1	mg/L
WAP-9	Fluoride	2024-02-07	< 0.1	mg/L
WAP-9	Fluoride	2023-06-29	0.1	mg/L
WAP-9	Fluoride	2023-02-27	< 0.1	mg/L
WAP-9	Fluoride	2022-07-13	< 0.1	mg/L
WAP-9	Fluoride	2022-02-22	< 0.1	mg/L
WAP-9	Fluoride	2021-08-02	< 0.1	mg/L
WAP-9	Fluoride	2021-02-23	< 0.1	mg/L
WAP-9	Fluoride	2020-06-03	< 0.1	mg/L
WAP-9	Fluoride	2020-02-04	< 0.1	mg/L
WAP-9	Fluoride	2019-05-30	< 0.1	mg/L
WAP-9	Fluoride	2019-02-05	< 0.1	mg/L
WAP-9	Fluoride	2018-09-10	< 0.1	mg/L
WAP-9	Fluoride	2018-06-05	< 0.1	mg/L
WAP-9	Fluoride	2017-10-02	< 0.1	mg/L
WAP-9	Fluoride	2017-09-18	< 0.1	mg/L
WAP-9	Fluoride	2017-04-10	0.11	mg/L
WAP-9	Fluoride	2017-01-10	< 0.1	mg/L
WAP-9	Fluoride	2016-10-18	< 0.1	mg/L
WAP-9	Fluoride	2016-06-20	< 0.1	mg/L
WAP-9	Fluoride	2016-04-26	< 0.1	mg/L
WAP-9	Fluoride	2016-01-19	< 0.1	mg/L
WAP-9	Fluoride	2015-11-11	< 0.1	mg/L
WLF-A2-1	Fluoride	2024-07-16	< 0.1	mg/L
WLF-A2-1	Fluoride	2024-02-13	< 0.1	mg/L
WLF-A2-1	Fluoride	2023-07-05	< 0.1	mg/L
WLF-A2-1	Fluoride	2023-03-01	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-12-07	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-10-20	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-09-13	0.1	mg/L
WLF-A2-1	Fluoride	2022-08-08	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-07-07	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-06-14	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-05-17	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-04-26	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-03-15	< 0.1	mg/L
WLF-A2-1	Fluoride	2022-02-24	0.23	mg/L
WLF-A2-2	Fluoride	2024-07-16	0.27	mg/L
WLF-A2-2	Fluoride	2024-02-13	< 0.1	mg/L
WLF-A2-2	Fluoride	2023-07-12	< 0.1	mg/L
WLF-A2-2	Fluoride	2023-03-01	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-12-06	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-10-20	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-09-13	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-08-08	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-07-07	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-06-14	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-05-17	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-04-26	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-03-15	< 0.1	mg/L
WLF-A2-2	Fluoride	2022-02-23	< 0.1	mg/L
WLF-A2-6	Fluoride	2025-02-27	0.177	mg/L
WLF-A2-6	Fluoride	2024-07-15	< 0.1	mg/L
WLF-A2-6	Fluoride	2024-02-08	< 0.1	mg/L
WLF-A2-6	Fluoride	2023-07-06	0.12	mg/L
WLF-A2-6	Fluoride	2023-02-16	0.11	mg/L
WLF-A2-6	Fluoride	2022-08-08	0.26	mg/L
WLF-A2-6	Fluoride	2022-07-14	0.29	mg/L
WLF-A2-6	Fluoride	2022-02-24	0.2	mg/L
WLF-A2-6	Fluoride	2021-12-07	0.31	mg/L
WLF-A2-6	Fluoride	2021-11-18	0.3	mg/L
WLF-A2-6	Fluoride	2021-10-27	0.29	mg/L
WLF-A2-6	Fluoride	2021-09-28	0.17	mg/L

Location	Constituent	Sample Date	Result	Units
WLF-A2-6	Fluoride	2021-09-01	0.16	mg/L
WLF-A2-6	Fluoride	2021-08-04	0.24	mg/L
WLF-A2-6	Fluoride	2021-05-13	0.18	mg/L
WLF-A2-6	Fluoride	2021-04-08	0.17	mg/L
WAP-17	Sulfate	2024-07-15	813	mg/L
WAP-17	Sulfate	2024-02-13	757	mg/L
WAP-17	Sulfate	2023-07-10	651	mg/L
WAP-17	Sulfate	2023-03-08	663	mg/L
WAP-17	Sulfate	2022-07-12	638	mg/L
WAP-17	Sulfate	2022-02-24	521	mg/L
WAP-17	Sulfate	2021-08-02	607	mg/L
WAP-17	Sulfate	2021-04-08	432	mg/L
WAP-17	Sulfate	2021-03-02	348	mg/L
WAP-17	Sulfate	2020-06-10	535	mg/L
WAP-17	Sulfate	2020-02-05	574	mg/L
WAP-17	Sulfate	2019-05-30	739	mg/L
WAP-17	Sulfate	2018-09-11	603	mg/L
WAP-17	Sulfate	2018-06-05	692	mg/L
WAP-17	Sulfate	2017-10-02	973	mg/L
WAP-17	Sulfate	2017-09-18	965	mg/L
WAP-17	Sulfate	2017-04-10	1810	mg/L
WAP-17	Sulfate	2017-01-10	844	mg/L
WAP-17	Sulfate	2016-10-18	900	mg/L
WAP-17	Sulfate	2016-06-20	757	mg/L
WAP-17	Sulfate	2016-04-26	787	mg/L
WAP-17	Sulfate	2016-01-19	740	mg/L
WAP-17	Sulfate	2015-11-11	1140	mg/L
WAP-18	Sulfate	2025-02-27	150	mg/L
WAP-18	Sulfate	2024-07-15	152	mg/L
WAP-18	Sulfate	2024-02-12	132	mg/L
WAP-18	Sulfate	2023-07-05	232	mg/L
WAP-18	Sulfate	2023-03-09	232	mg/L
WAP-18	Sulfate	2022-07-07	172	mg/L
WAP-18	Sulfate	2022-02-23	131	mg/L
WAP-18	Sulfate	2021-08-04	750	mg/L
WAP-18	Sulfate	2021-02-16	692	mg/L
WAP-18	Sulfate	2020-06-17	579	mg/L
WAP-18	Sulfate	2020-02-04	767	mg/L
WAP-18	Sulfate	2019-06-05	6.69	mg/L
WAP-18	Sulfate	2018-09-17	799	mg/L
WAP-18	Sulfate	2018-06-06	645	mg/L
WAP-18	Sulfate	2017-10-04	754	mg/L
WAP-18	Sulfate	2017-09-21	962	mg/L
WAP-18	Sulfate	2017-04-12	845	mg/L
WAP-18	Sulfate	2017-01-12	941	mg/L
WAP-18	Sulfate	2016-10-20	1020	mg/L
WAP-18	Sulfate	2016-06-21	1160	mg/L
WAP-18	Sulfate	2016-04-27	1060	mg/L
WAP-18	Sulfate	2016-01-12	903	mg/L
WAP-18	Sulfate	2015-11-11	960	mg/L
WAP-19	Sulfate	2024-07-22	1810	mg/L
WAP-19	Sulfate	2024-02-08	1800	mg/L
WAP-19	Sulfate	2023-07-06	1610	mg/L
WAP-19	Sulfate	2023-03-07	1540	mg/L
WAP-19	Sulfate	2022-07-13	915	mg/L
WAP-19	Sulfate	2022-02-22	441	mg/L
WAP-19	Sulfate	2021-08-03	775	mg/L
WAP-19	Sulfate	2021-02-16	800	mg/L
WAP-19	Sulfate	2020-06-17	690	mg/L
WAP-19	Sulfate	2020-02-04	622	mg/L
WAP-19	Sulfate	2019-06-06	588	mg/L
WAP-19	Sulfate	2018-09-17	774	mg/L
WAP-19	Sulfate	2018-06-06	712	mg/L
WAP-19	Sulfate	2017-10-04	954	mg/L
WAP-19	Sulfate	2017-09-21	960	mg/L
WAP-19	Sulfate	2017-04-12	716	mg/L
WAP-19	Sulfate	2017-01-12	658	mg/L
WAP-19	Sulfate	2016-10-20	837	mg/L

Location	Constituent	Sample Date	Result	Units
WAP-19	Sulfate	2016-06-21	841	mg/L
WAP-19	Sulfate	2016-04-27	880	mg/L
WAP-19	Sulfate	2016-01-12	674	mg/L
WAP-19	Sulfate	2015-11-11	874	mg/L
WAP-9	Sulfate	2025-02-25	542	mg/L
WAP-9	Sulfate	2024-07-02	580	mg/L
WAP-9	Sulfate	2024-02-07	602	mg/L
WAP-9	Sulfate	2023-06-29	296	mg/L
WAP-9	Sulfate	2023-02-27	263	mg/L
WAP-9	Sulfate	2022-07-13	199	mg/L
WAP-9	Sulfate	2022-02-22	216	mg/L
WAP-9	Sulfate	2021-08-02	197	mg/L
WAP-9	Sulfate	2021-02-23	172.3	mg/L
WAP-9	Sulfate	2020-06-03	144	mg/L
WAP-9	Sulfate	2020-02-04	127	mg/L
WAP-9	Sulfate	2019-05-30	82.2	mg/L
WAP-9	Sulfate	2019-02-05	102	mg/L
WAP-9	Sulfate	2018-09-10	105	mg/L
WAP-9	Sulfate	2018-06-05	97.6	mg/L
WAP-9	Sulfate	2018-01-31	119	mg/L
WAP-9	Sulfate	2017-10-02	133	mg/L
WAP-9	Sulfate	2017-09-18	126	mg/L
WAP-9	Sulfate	2017-06-19	118	mg/L
WAP-9	Sulfate	2017-04-10	103	mg/L
WAP-9	Sulfate	2017-01-10	132	mg/L
WAP-9	Sulfate	2016-10-18	170	mg/L
WAP-9	Sulfate	2016-06-20	252	mg/L
WAP-9	Sulfate	2016-04-26	201	mg/L
WAP-9	Sulfate	2016-01-19	357	mg/L
WAP-9	Sulfate	2015-11-11	234	mg/L
WLF-A2-1	Sulfate	2024-07-16	196	mg/L
WLF-A2-1	Sulfate	2024-02-13	604	mg/L
WLF-A2-1	Sulfate	2023-07-05	119	mg/L
WLF-A2-1	Sulfate	2023-03-01	278	mg/L
WLF-A2-1	Sulfate	2022-12-07	279	mg/L
WLF-A2-1	Sulfate	2022-10-20	285	mg/L
WLF-A2-1	Sulfate	2022-09-13	357	mg/L
WLF-A2-1	Sulfate	2022-08-08	157	mg/L
WLF-A2-1	Sulfate	2022-07-07	202	mg/L
WLF-A2-1	Sulfate	2022-06-14	141	mg/L
WLF-A2-1	Sulfate	2022-05-17	419	mg/L
WLF-A2-1	Sulfate	2022-04-26	265	mg/L
WLF-A2-1	Sulfate	2022-03-15	595	mg/L
WLF-A2-1	Sulfate	2022-02-24	739	mg/L
WLF-A2-2	Sulfate	2024-07-16	247	mg/L
WLF-A2-2	Sulfate	2024-02-13	370	mg/L
WLF-A2-2	Sulfate	2023-07-12	391	mg/L
WLF-A2-2	Sulfate	2023-03-01	342	mg/L
WLF-A2-2	Sulfate	2022-12-06	351	mg/L
WLF-A2-2	Sulfate	2022-10-20	337	mg/L
WLF-A2-2	Sulfate	2022-09-13	355	mg/L
WLF-A2-2	Sulfate	2022-08-08	254	mg/L
WLF-A2-2	Sulfate	2022-07-07	198	mg/L
WLF-A2-2	Sulfate	2022-06-14	166	mg/L
WLF-A2-2	Sulfate	2022-05-17	514	mg/L
WLF-A2-2	Sulfate	2022-04-26	187	mg/L
WLF-A2-2	Sulfate	2022-03-15	552	mg/L
WLF-A2-2	Sulfate	2022-02-23	529	mg/L
WLF-A2-6	Sulfate	2025-02-27	257	mg/L
WLF-A2-6	Sulfate	2024-07-15	275	mg/L
WLF-A2-6	Sulfate	2024-02-08	292	mg/L
WLF-A2-6	Sulfate	2023-07-06	187	mg/L
WLF-A2-6	Sulfate	2023-02-16	133	mg/L
WLF-A2-6	Sulfate	2022-08-08	58.7	mg/L
WLF-A2-6	Sulfate	2022-07-14	62.5	mg/L
WLF-A2-6	Sulfate	2022-02-24	76.7	mg/L
WLF-A2-6	Sulfate	2021-12-07	38.1	mg/L
WLF-A2-6	Sulfate	2021-11-18	32.5	mg/L

Location	Constituent	Sample Date	Result	Units
WLF-A2-6	Sulfate	2021-10-27	37.7	mg/L
WLF-A2-6	Sulfate	2021-09-28	53	mg/L
WLF-A2-6	Sulfate	2021-09-01	47.9	mg/L
WLF-A2-6	Sulfate	2021-08-04	77.6	mg/L
WLF-A2-6	Sulfate	2021-05-13	11.5	mg/L
WLF-A2-6	Sulfate	2021-04-08	28.2	mg/L
WAP-17	Total Dissolved Solids (TDS)	2024-07-15	1566	mg/L
WAP-17	Total Dissolved Solids (TDS)	2024-02-13	1460	mg/L
WAP-17	Total Dissolved Solids (TDS)	2023-07-10	1271	mg/L
WAP-17	Total Dissolved Solids (TDS)	2023-03-08	1301	mg/L
WAP-17	Total Dissolved Solids (TDS)	2022-07-12	1316	mg/L
WAP-17	Total Dissolved Solids (TDS)	2022-02-24	1185	mg/L
WAP-17	Total Dissolved Solids (TDS)	2021-08-02	1321	mg/L
WAP-17	Total Dissolved Solids (TDS)	2021-04-08	1015	mg/L
WAP-17	Total Dissolved Solids (TDS)	2021-03-02	812.5	mg/L
WAP-17	Total Dissolved Solids (TDS)	2020-06-10	1102	mg/L
WAP-17	Total Dissolved Solids (TDS)	2020-02-05	1130	mg/L
WAP-17	Total Dissolved Solids (TDS)	2019-05-30	1656	mg/L
WAP-17	Total Dissolved Solids (TDS)	2018-09-11	1450	mg/L
WAP-17	Total Dissolved Solids (TDS)	2018-06-05	1614	mg/L
WAP-17	Total Dissolved Solids (TDS)	2017-10-02	1856	mg/L
WAP-17	Total Dissolved Solids (TDS)	2017-09-18	1986	mg/L
WAP-17	Total Dissolved Solids (TDS)	2017-04-10	1840	mg/L
WAP-17	Total Dissolved Solids (TDS)	2017-01-10	1856	mg/L
WAP-17	Total Dissolved Solids (TDS)	2016-10-18	1952	mg/L
WAP-17	Total Dissolved Solids (TDS)	2016-06-20	1722	mg/L
WAP-17	Total Dissolved Solids (TDS)	2016-04-26	1615	mg/L
WAP-17	Total Dissolved Solids (TDS)	2016-01-19	1735	mg/L
WAP-17	Total Dissolved Solids (TDS)	2015-11-11	3140	mg/L
WAP-18	Total Dissolved Solids (TDS)	2025-02-27	390	mg/L
WAP-18	Total Dissolved Solids (TDS)	2024-07-15	382.5	mg/L
WAP-18	Total Dissolved Solids (TDS)	2024-02-12	357.5	mg/L
WAP-18	Total Dissolved Solids (TDS)	2023-07-05	478.8	mg/L
WAP-18	Total Dissolved Solids (TDS)	2023-03-09	521.2	mg/L
WAP-18	Total Dissolved Solids (TDS)	2022-07-07	391.2	mg/L
WAP-18	Total Dissolved Solids (TDS)	2022-02-23	327.5	mg/L
WAP-18	Total Dissolved Solids (TDS)	2021-08-04	1431	mg/L
WAP-18	Total Dissolved Solids (TDS)	2021-02-16	1428	mg/L
WAP-18	Total Dissolved Solids (TDS)	2020-06-17	1185	mg/L
WAP-18	Total Dissolved Solids (TDS)	2020-02-04	1372	mg/L
WAP-18	Total Dissolved Solids (TDS)	2019-06-05	1532	mg/L
WAP-18	Total Dissolved Solids (TDS)	2018-09-17	1645	mg/L
WAP-18	Total Dissolved Solids (TDS)	2018-06-06	1849	mg/L
WAP-18	Total Dissolved Solids (TDS)	2017-10-04	1666	mg/L
WAP-18	Total Dissolved Solids (TDS)	2017-09-21	2018	mg/L
WAP-18	Total Dissolved Solids (TDS)	2017-04-12	2016	mg/L
WAP-18	Total Dissolved Solids (TDS)	2017-01-12	1711	mg/L
WAP-18	Total Dissolved Solids (TDS)	2016-10-20	1793	mg/L
WAP-18	Total Dissolved Solids (TDS)	2016-06-21	2182	mg/L
WAP-18	Total Dissolved Solids (TDS)	2016-04-27	1760	mg/L
WAP-18	Total Dissolved Solids (TDS)	2016-01-12	1452	mg/L
WAP-18	Total Dissolved Solids (TDS)	2015-11-11	1692	mg/L
WAP-19	Total Dissolved Solids (TDS)	2024-07-22	2891	mg/L
WAP-19	Total Dissolved Solids (TDS)	2024-02-08	2871	mg/L
WAP-19	Total Dissolved Solids (TDS)	2023-07-06	2818	mg/L
WAP-19	Total Dissolved Solids (TDS)	2023-03-07	2562	mg/L
WAP-19	Total Dissolved Solids (TDS)	2022-07-13	1588	mg/L
WAP-19	Total Dissolved Solids (TDS)	2022-02-22	1110	mg/L
WAP-19	Total Dissolved Solids (TDS)	2021-08-03	1582	mg/L
WAP-19	Total Dissolved Solids (TDS)	2021-02-16	1510	mg/L
WAP-19	Total Dissolved Solids (TDS)	2020-06-17	1428	mg/L
WAP-19	Total Dissolved Solids (TDS)	2020-02-04	1314	mg/L
WAP-19	Total Dissolved Solids (TDS)	2019-06-06	1411	mg/L
WAP-19	Total Dissolved Solids (TDS)	2018-09-17	1596	mg/L
WAP-19	Total Dissolved Solids (TDS)	2018-06-06	1655	mg/L
WAP-19	Total Dissolved Solids (TDS)	2017-10-04	1736	mg/L
WAP-19	Total Dissolved Solids (TDS)	2017-09-21	1776	mg/L
WAP-19	Total Dissolved Solids (TDS)	2017-04-12	1570	mg/L

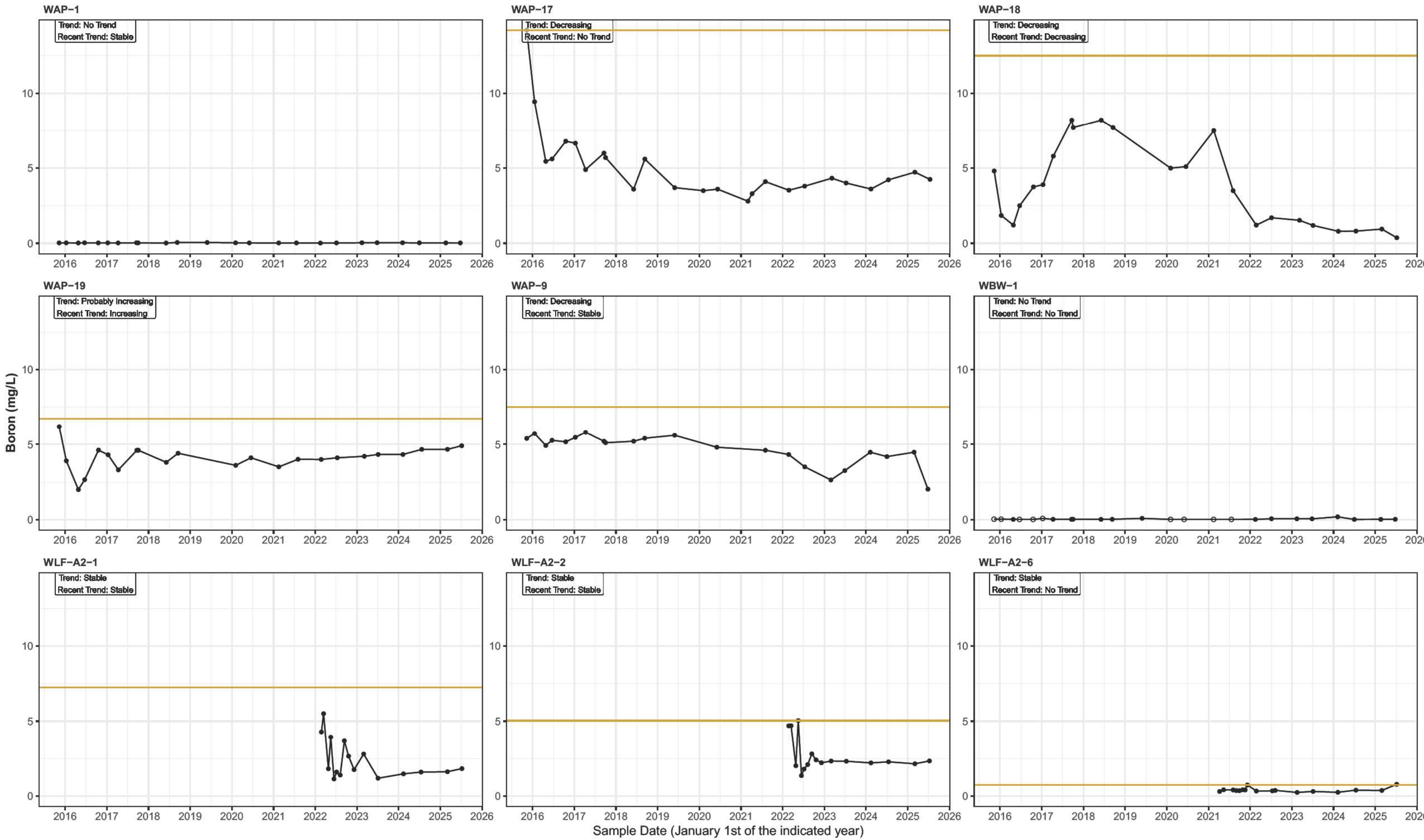
Location	Constituent	Sample Date	Result	Units
WAP-19	Total Dissolved Solids (TDS)	2017-01-12	1571	mg/L
WAP-19	Total Dissolved Solids (TDS)	2016-10-20	1612	mg/L
WAP-19	Total Dissolved Solids (TDS)	2016-06-21	1684	mg/L
WAP-19	Total Dissolved Solids (TDS)	2016-04-27	1525	mg/L
WAP-19	Total Dissolved Solids (TDS)	2016-01-12	1526	mg/L
WAP-19	Total Dissolved Solids (TDS)	2015-11-11	2128	mg/L
WAP-9	Total Dissolved Solids (TDS)	2025-02-25	1325	mg/L
WAP-9	Total Dissolved Solids (TDS)	2024-07-02	1542	mg/L
WAP-9	Total Dissolved Solids (TDS)	2024-02-07	1702	mg/L
WAP-9	Total Dissolved Solids (TDS)	2023-06-29	1136	mg/L
WAP-9	Total Dissolved Solids (TDS)	2023-02-27	1168	mg/L
WAP-9	Total Dissolved Solids (TDS)	2022-07-13	2745	mg/L
WAP-9	Total Dissolved Solids (TDS)	2022-02-22	931.2	mg/L
WAP-9	Total Dissolved Solids (TDS)	2021-08-02	941.2	mg/L
WAP-9	Total Dissolved Solids (TDS)	2021-02-23	716.2	mg/L
WAP-9	Total Dissolved Solids (TDS)	2020-06-03	798.8	mg/L
WAP-9	Total Dissolved Solids (TDS)	2020-02-04	711.2	mg/L
WAP-9	Total Dissolved Solids (TDS)	2019-05-30	737.5	mg/L
WAP-9	Total Dissolved Solids (TDS)	2019-02-05	816.2	mg/L
WAP-9	Total Dissolved Solids (TDS)	2018-09-10	827.5	mg/L
WAP-9	Total Dissolved Solids (TDS)	2018-06-05	787.5	mg/L
WAP-9	Total Dissolved Solids (TDS)	2018-01-31	838.6	mg/L
WAP-9	Total Dissolved Solids (TDS)	2017-10-02	782	mg/L
WAP-9	Total Dissolved Solids (TDS)	2017-09-18	790	mg/L
WAP-9	Total Dissolved Solids (TDS)	2017-06-19	803.8	mg/L
WAP-9	Total Dissolved Solids (TDS)	2017-04-10	792.5	mg/L
WAP-9	Total Dissolved Solids (TDS)	2017-01-10	858.8	mg/L
WAP-9	Total Dissolved Solids (TDS)	2016-10-18	875	mg/L
WAP-9	Total Dissolved Solids (TDS)	2016-06-20	888	mg/L
WAP-9	Total Dissolved Solids (TDS)	2016-04-26	915	mg/L
WAP-9	Total Dissolved Solids (TDS)	2016-01-19	927.5	mg/L
WAP-9	Total Dissolved Solids (TDS)	2015-11-11	1018	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2024-07-16	507.5	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2024-02-13	947.5	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2023-07-05	306.2	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2023-03-01	800	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-12-07	550	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-10-20	718.8	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-09-13	850	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-08-08	436.2	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-07-07	540	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-06-14	531.2	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-05-17	1492	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-04-26	715	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-03-15	2125	mg/L
WLF-A2-1	Total Dissolved Solids (TDS)	2022-02-24	1855	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2024-07-16	595	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2024-02-13	770	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2023-07-12	950	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2023-03-01	1012	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-12-06	880	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-10-20	892.5	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-09-13	987.5	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-08-08	632.5	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-07-07	513.8	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-06-14	437.5	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-05-17	1246	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-04-26	433.8	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-03-15	1281	mg/L
WLF-A2-2	Total Dissolved Solids (TDS)	2022-02-23	1194	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2025-02-27	872.5	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2024-07-15	947.5	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2024-02-08	932.5	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2023-07-06	685	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2023-02-16	605	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2022-08-08	508.8	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2022-07-14	487.5	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2022-02-24	551.2	mg/L

Location	Constituent	Sample Date	Result	Units
WLF-A2-6	Total Dissolved Solids (TDS)	2021-12-07	600	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2021-11-18	456.2	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2021-10-27	588.8	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2021-09-28	552.5	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2021-09-01	545	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2021-08-04	541.2	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2021-05-13	602.5	mg/L
WLF-A2-6	Total Dissolved Solids (TDS)	2021-04-08	667.5	mg/L
WAP-17	pH, Field	2024-07-15	5.78	pH units
WAP-17	pH, Field	2024-02-13	6.15	pH units
WAP-17	pH, Field	2023-07-10	6.33	pH units
WAP-17	pH, Field	2023-03-08	6.34	pH units
WAP-17	pH, Field	2022-07-12	6.05	pH units
WAP-17	pH, Field	2022-02-24	6.35	pH units
WAP-17	pH, Field	2021-08-02	5.82	pH units
WAP-17	pH, Field	2021-04-08	6.22	pH units
WAP-17	pH, Field	2021-03-02	5.88	pH units
WAP-17	pH, Field	2020-06-10	5.96	pH units
WAP-17	pH, Field	2020-02-05	6.26	pH units
WAP-17	pH, Field	2019-05-30	6.03	pH units
WAP-17	pH, Field	2019-02-05	6.11	pH units
WAP-17	pH, Field	2018-09-11	6.03	pH units
WAP-17	pH, Field	2018-06-05	6.04	pH units
WAP-17	pH, Field	2017-10-02	6.1	pH units
WAP-17	pH, Field	2017-09-18	6.14	pH units
WAP-17	pH, Field	2017-04-10	6.1	pH units
WAP-17	pH, Field	2017-01-10	6.04	pH units
WAP-17	pH, Field	2016-10-18	5.9	pH units
WAP-17	pH, Field	2016-06-20	6.02	pH units
WAP-17	pH, Field	2016-04-26	6.03	pH units
WAP-17	pH, Field	2016-01-19	6.01	pH units
WAP-17	pH, Field	2015-11-11	5.92	pH units
WAP-18	pH, Field	2025-02-27	5.73	pH units
WAP-18	pH, Field	2024-07-15	5.37	pH units
WAP-18	pH, Field	2024-02-12	5.75	pH units
WAP-18	pH, Field	2023-07-05	5.28	pH units
WAP-18	pH, Field	2023-03-09	5.47	pH units
WAP-18	pH, Field	2022-07-07	5.77	pH units
WAP-18	pH, Field	2022-02-23	5.49	pH units
WAP-18	pH, Field	2021-08-04	5.21	pH units
WAP-18	pH, Field	2021-02-16	6.37	pH units
WAP-18	pH, Field	2020-06-17	6.44	pH units
WAP-18	pH, Field	2020-02-04	6.41	pH units
WAP-18	pH, Field	2019-06-05	6.57	pH units
WAP-18	pH, Field	2019-02-07	6.73	pH units
WAP-18	pH, Field	2018-09-17	6.35	pH units
WAP-18	pH, Field	2018-06-06	6.8	pH units
WAP-18	pH, Field	2017-10-04	6.63	pH units
WAP-18	pH, Field	2017-09-21	6.54	pH units
WAP-18	pH, Field	2017-04-12	6.55	pH units
WAP-18	pH, Field	2017-03-13	6.66	pH units
WAP-18	pH, Field	2017-01-12	6.48	pH units
WAP-18	pH, Field	2016-10-20	6.26	pH units
WAP-18	pH, Field	2016-06-21	6.31	pH units
WAP-18	pH, Field	2016-04-27	6.27	pH units
WAP-18	pH, Field	2016-01-12	6.28	pH units
WAP-18	pH, Field	2015-11-11	6.15	pH units
WAP-19	pH, Field	2024-07-22	6.34	pH units
WAP-19	pH, Field	2024-05-02	6.05	pH units
WAP-19	pH, Field	2024-02-08	5.89	pH units
WAP-19	pH, Field	2023-07-06	6.48	pH units
WAP-19	pH, Field	2023-03-07	6.49	pH units
WAP-19	pH, Field	2022-07-13	5.88	pH units
WAP-19	pH, Field	2022-02-22	6.81	pH units
WAP-19	pH, Field	2021-08-03	6.37	pH units
WAP-19	pH, Field	2021-02-16	6.32	pH units
WAP-19	pH, Field	2020-06-17	6.44	pH units
WAP-19	pH, Field	2020-02-04	6.33	pH units

Location	Constituent	Sample Date	Result	Units
WAP-19	pH, Field	2019-06-06	6.37	pH units
WAP-19	pH, Field	2019-02-07	6.34	pH units
WAP-19	pH, Field	2018-09-17	5.79	pH units
WAP-19	pH, Field	2018-06-06	6.27	pH units
WAP-19	pH, Field	2017-10-04	6.08	pH units
WAP-19	pH, Field	2017-09-21	6.16	pH units
WAP-19	pH, Field	2017-04-12	6.38	pH units
WAP-19	pH, Field	2017-03-13	6.43	pH units
WAP-19	pH, Field	2017-01-12	6.18	pH units
WAP-19	pH, Field	2016-10-20	5.97	pH units
WAP-19	pH, Field	2016-06-21	6.18	pH units
WAP-19	pH, Field	2016-04-27	6.31	pH units
WAP-19	pH, Field	2016-01-12	6.43	pH units
WAP-19	pH, Field	2015-11-11	6.14	pH units
WAP-9	pH, Field	2025-02-25	6.3	pH units
WAP-9	pH, Field	2024-07-02	5.83	pH units
WAP-9	pH, Field	2024-02-07	6.17	pH units
WAP-9	pH, Field	2023-06-29	6.11	pH units
WAP-9	pH, Field	2023-02-27	6.34	pH units
WAP-9	pH, Field	2022-07-13	6.15	pH units
WAP-9	pH, Field	2022-02-22	6.08	pH units
WAP-9	pH, Field	2021-08-02	5.97	pH units
WAP-9	pH, Field	2021-02-23	5.68	pH units
WAP-9	pH, Field	2020-06-03	5.93	pH units
WAP-9	pH, Field	2020-02-04	5.91	pH units
WAP-9	pH, Field	2019-05-30	5.85	pH units
WAP-9	pH, Field	2019-02-05	5.96	pH units
WAP-9	pH, Field	2018-09-10	5.89	pH units
WAP-9	pH, Field	2018-06-05	5.96	pH units
WAP-9	pH, Field	2018-01-31	6.03	pH units
WAP-9	pH, Field	2017-10-02	6.03	pH units
WAP-9	pH, Field	2017-09-18	5.95	pH units
WAP-9	pH, Field	2017-06-19	5.85	pH units
WAP-9	pH, Field	2017-04-10	5.96	pH units
WAP-9	pH, Field	2017-01-10	5.88	pH units
WAP-9	pH, Field	2016-10-18	5.71	pH units
WAP-9	pH, Field	2016-06-20	5.82	pH units
WAP-9	pH, Field	2016-04-26	5.84	pH units
WAP-9	pH, Field	2016-01-19	5.84	pH units
WAP-9	pH, Field	2015-11-11	5.76	pH units
WLF-A2-1	pH, Field	2024-07-16	5.18	pH units
WLF-A2-1	pH, Field	2024-02-13	4.48	pH units
WLF-A2-1	pH, Field	2023-07-05	5.52	pH units
WLF-A2-1	pH, Field	2023-03-01	4.77	pH units
WLF-A2-1	pH, Field	2022-12-07	5.13	pH units
WLF-A2-1	pH, Field	2022-10-20	4.48	pH units
WLF-A2-1	pH, Field	2022-09-13	4.55	pH units
WLF-A2-1	pH, Field	2022-08-08	5.24	pH units
WLF-A2-1	pH, Field	2022-07-07	5.18	pH units
WLF-A2-1	pH, Field	2022-06-14	4.85	pH units
WLF-A2-1	pH, Field	2022-05-17	5.58	pH units
WLF-A2-1	pH, Field	2022-04-26	5.43	pH units
WLF-A2-1	pH, Field	2022-03-15	5.62	pH units
WLF-A2-1	pH, Field	2022-02-24	5.7	pH units
WLF-A2-2	pH, Field	2024-07-16	5.73	pH units
WLF-A2-2	pH, Field	2024-02-13	5.96	pH units
WLF-A2-2	pH, Field	2023-07-12	5.68	pH units
WLF-A2-2	pH, Field	2023-03-01	6.01	pH units
WLF-A2-2	pH, Field	2022-12-06	5.92	pH units
WLF-A2-2	pH, Field	2022-10-20	5.81	pH units
WLF-A2-2	pH, Field	2022-09-13	5.76	pH units
WLF-A2-2	pH, Field	2022-08-08	5.97	pH units
WLF-A2-2	pH, Field	2022-07-07	5.96	pH units
WLF-A2-2	pH, Field	2022-06-14	5.79	pH units
WLF-A2-2	pH, Field	2022-05-17	5.56	pH units
WLF-A2-2	pH, Field	2022-04-26	5.43	pH units
WLF-A2-2	pH, Field	2022-03-15	5.64	pH units
WLF-A2-2	pH, Field	2022-02-23	5.63	pH units

Location	Constituent	Sample Date	Result	Units
WLF-A2-6	pH, Field	2025-02-27	6.59	pH units
WLF-A2-6	pH, Field	2024-07-15	6.28	pH units
WLF-A2-6	pH, Field	2024-02-08	6.44	pH units
WLF-A2-6	pH, Field	2023-07-06	6.21	pH units
WLF-A2-6	pH, Field	2023-02-16	5.99	pH units
WLF-A2-6	pH, Field	2022-08-08	6.4	pH units
WLF-A2-6	pH, Field	2022-07-14	6.4	pH units
WLF-A2-6	pH, Field	2022-02-24	6.58	pH units
WLF-A2-6	pH, Field	2021-12-07	6.29	pH units
WLF-A2-6	pH, Field	2021-11-18	6.45	pH units
WLF-A2-6	pH, Field	2021-10-27	6.33	pH units
WLF-A2-6	pH, Field	2021-09-28	6.36	pH units
WLF-A2-6	pH, Field	2021-09-01	6.52	pH units
WLF-A2-6	pH, Field	2021-08-04	6.47	pH units
WLF-A2-6	pH, Field	2021-05-13	6.6	pH units
WLF-A2-6	pH, Field	2021-04-08	6.59	pH units

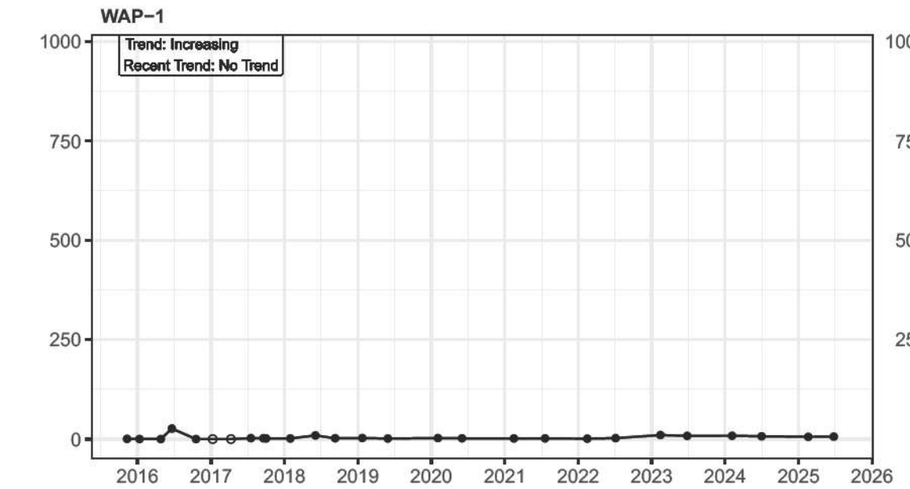
Trend Analysis for Boron

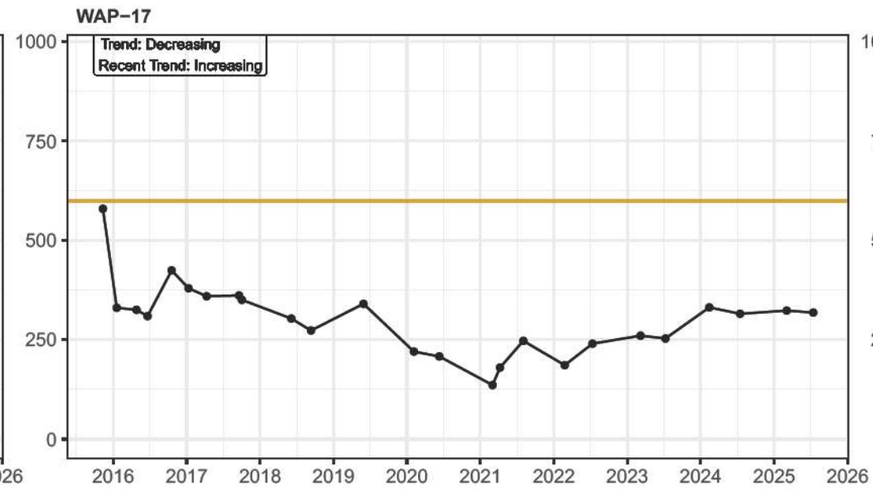


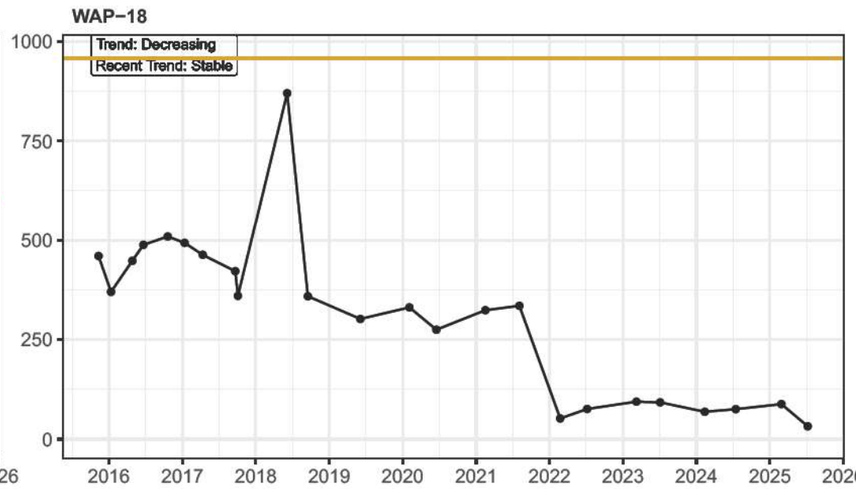
Detection Status: ● Detect ○ Non−Detect — Upper Prediction Limit

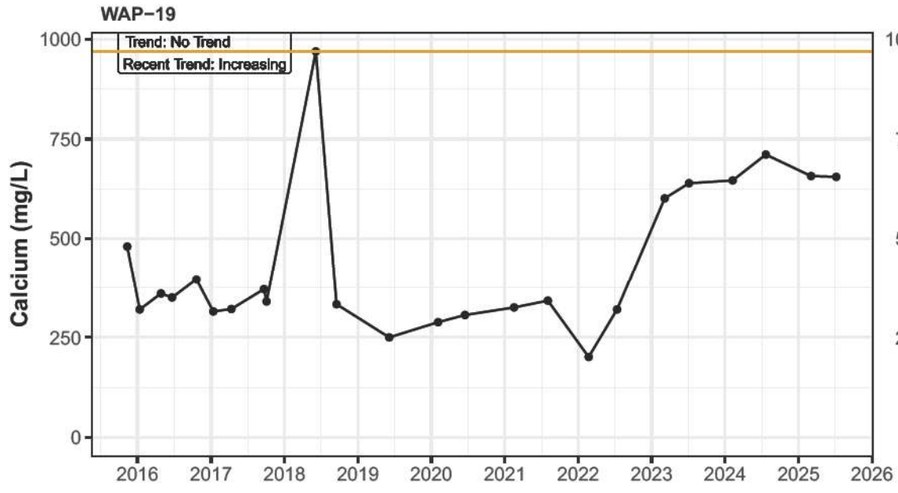
Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

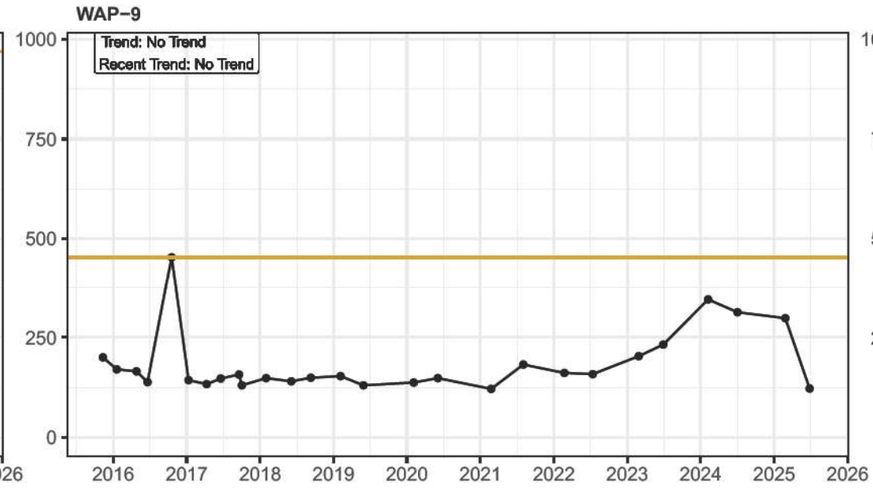
Trend Analysis for Calcium

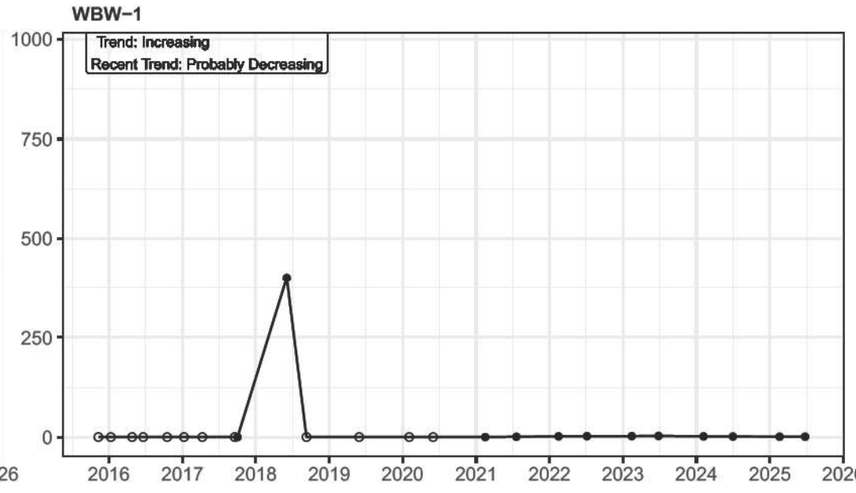


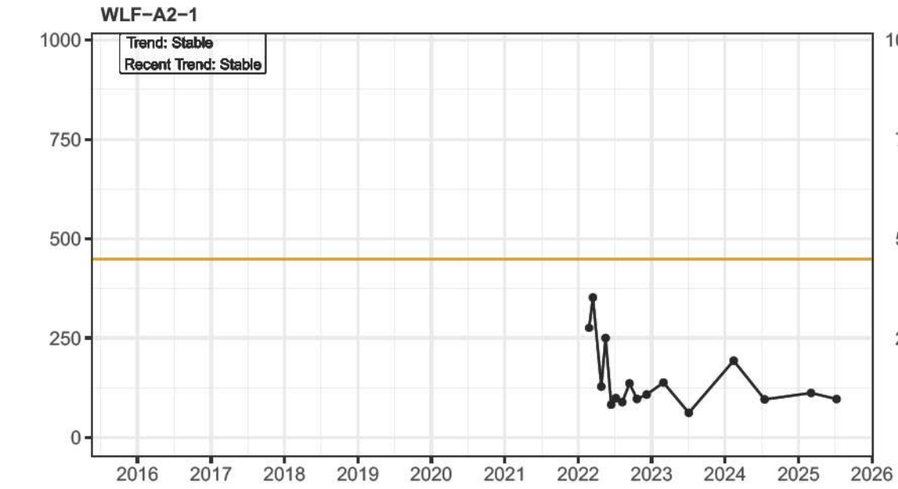


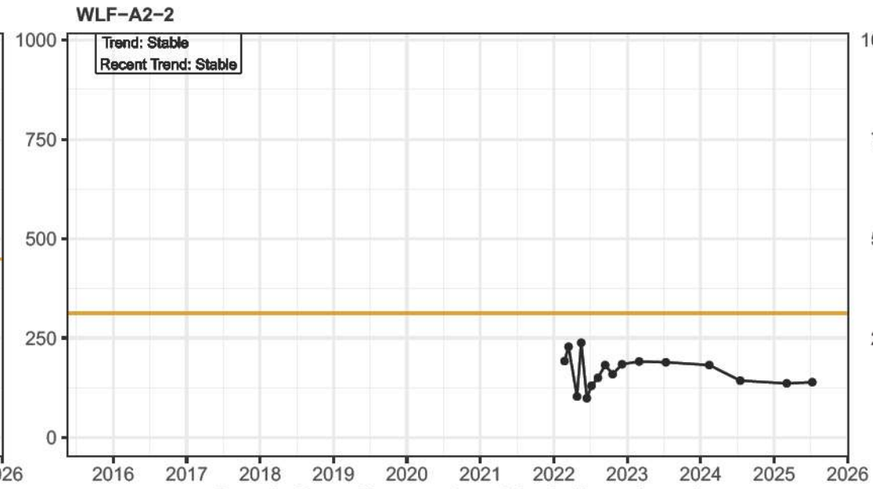


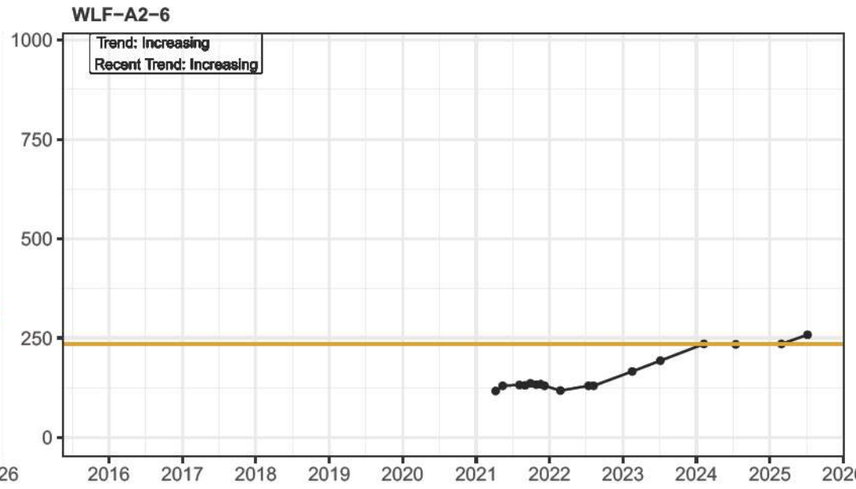












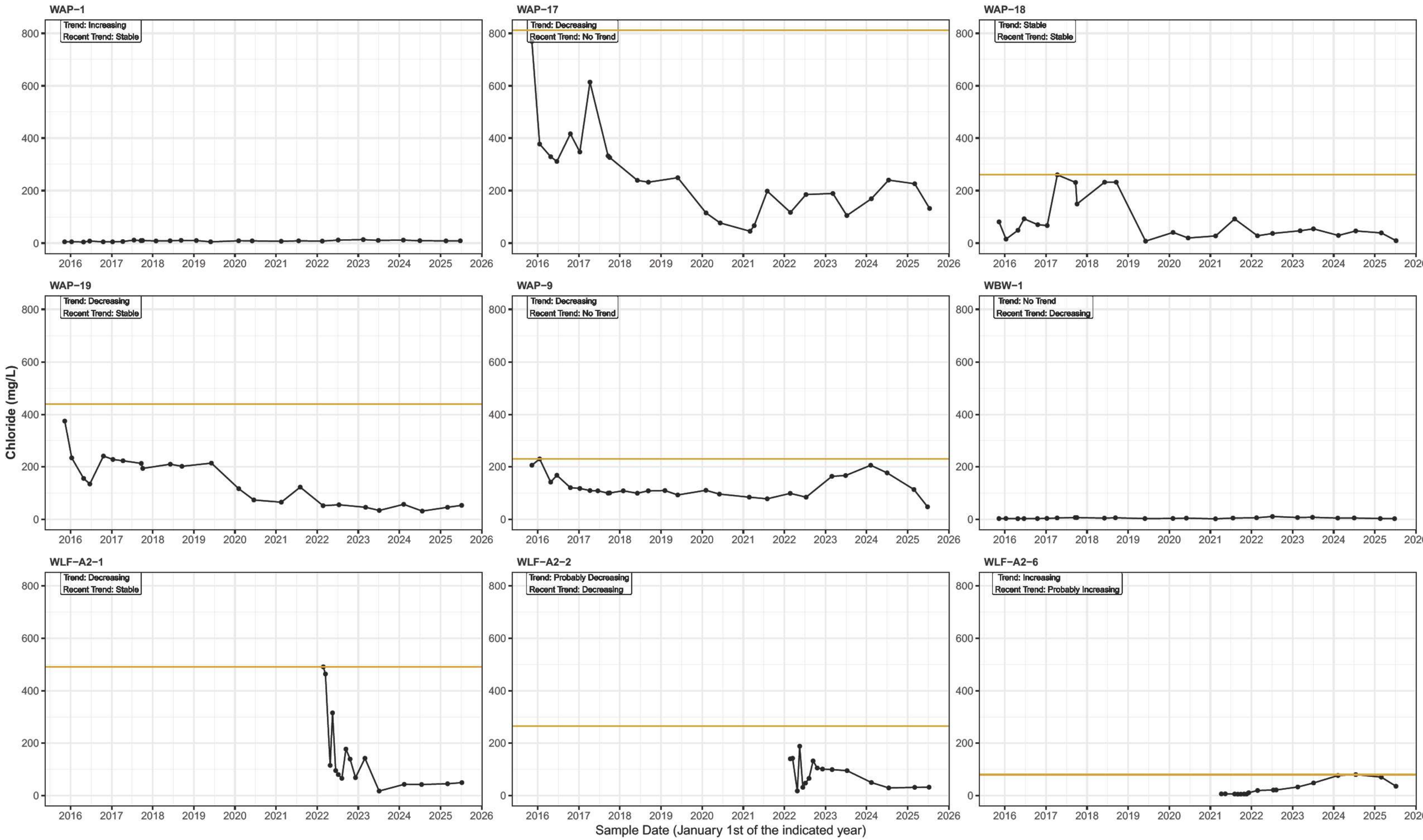
Calcium (mg/L)

Sample Date (January 1st of the indicated year)

Detection Status: ● Detect ○ Non−Detect — Upper Prediction Limit

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

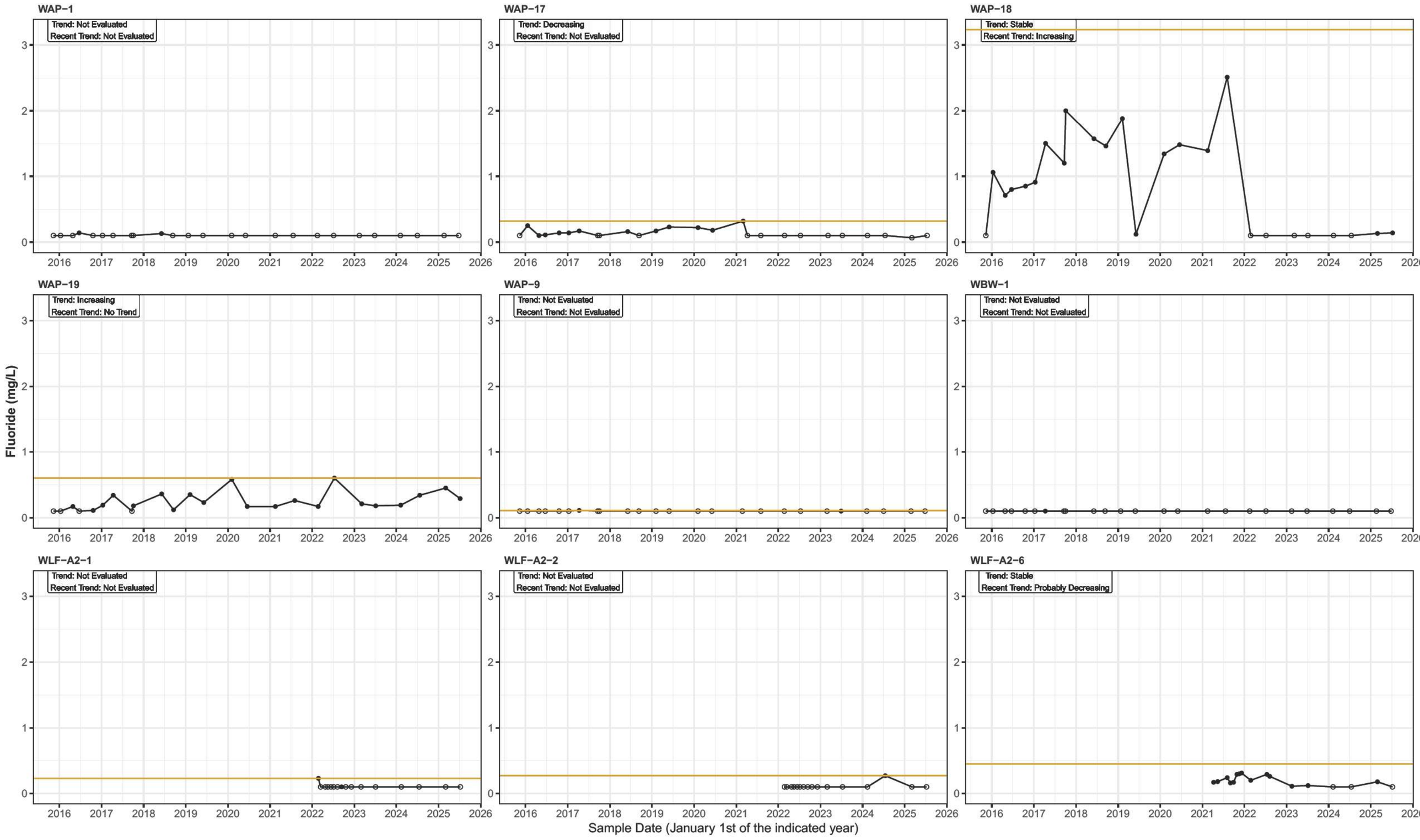
Trend Analysis for Chloride



Upper Prediction Limit Detection Status: ● Detect

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for Fluoride



Detection Status: ● Detect ○ Non−Detect — Upper Prediction Limit

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for pH, Field

WAP−1
Trend: Stable
Recent Trend: Stable

WAP−17
Trend: No Trend
Recent Trend: Stable

WAP−18
Trend: Decreasing
Recent Trend: Stable

WAP−19
Trend: No Trend
Recent Trend: No Trend

WAP−9
Trend: Increasing
Recent Trend: Stable

WBW−1
Trend: No Trend
Recent Trend: Stable

WLF−A2−1
Trend: Stable
Recent Trend: No Trend

WLF−A2−2
Trend: Increasing
Recent Trend: No Trend

WLF−A2−6
Trend: Decreasing
Recent Trend: No Trend

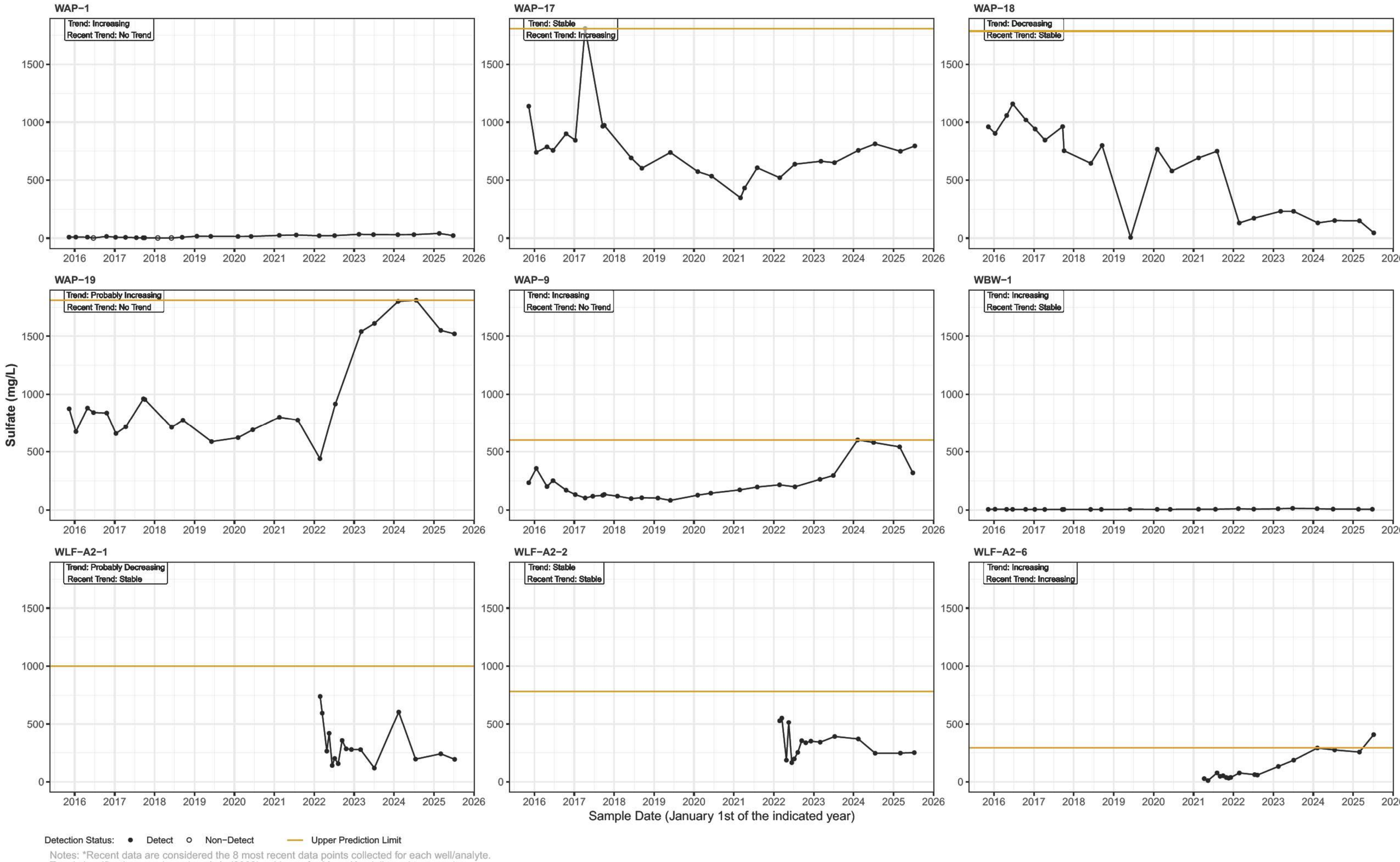
pH, Field (pH units)

Sample Date (January 1st of the indicated year)

Upper Prediction Limit Detection Status: ● Detect

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for Sulfate



Detection Status: ● Detect ○ Non−Detect — Upper Prediction Limit

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for Total Dissolved Solids (TDS)

WAP−1
Trend: Probably Increasing
Recent Trend: Stable

WAP−17
Trend: Decreasing
Recent Trend: Increasing

WAP−18
Trend: Decreasing
Recent Trend: Stable

WAP−19
Trend: No Trend
Recent Trend: No Trend

WAP−9
Trend: No Trend
Recent Trend: Stable

WBW−1
Trend: No Trend
Recent Trend: Decreasing

WLF−A2−1
Trend: Probably Decreasing
Recent Trend: Stable

WLF−A2−2
Trend: Stable
Recent Trend: Probably Decreasing

WLF−A2−6
Trend: Increasing
Recent Trend: Increasing

Total Dissolved Solids (TDS) (mg/L)

Sample Date (January 1st of the indicated year)

Detection Status: ● Detect ○ Non−Detect — Upper Prediction Limit

Notes: *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Appendix B – Laboratory Analytical Results

santee cooper

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 # AG25146 **Location:** GW Well WAP-17 **Date:** 03/04/2025 **Sample Collector:** BM/DA

Loc. Code WAP-17 **Time:** 12:00

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	99.6	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Barium	45.4	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Calcium	323	mg/L	03/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Iron	3340	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Nickel	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Boron	4730	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Lithium	19.9	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.066	mg/L	03/10/2025	GEL	EPA 300.0
Chloride	226	mg/L	03/08/2025	GEL	EPA 300.0
Sulfate	749	mg/L	03/08/2025	GEL	EPA 300.0
Total Dissolved Solids	1612	mg/L	03/21/2025	SKJACOBS	SM 2540C
Radium 226	1.51	pCi/L	04/03/2025	GEL	EPA 903.1 Mod
Radium 228	1.54	pCi/L	04/01/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.05	pCi/L	04/24/2025	SJLEVY	EPA 903.1 Mod
pH	5.82	SU	03/04/2025	BM/DA	

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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25147 **Location:** GW Well WAP-17 **Date:** 03/04/2025 **Sample Collector:** BM/DA

Loc. Code WAP-17 DUP **Time:** 12:05

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	90.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Barium	46.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Calcium	313	mg/L	03/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Iron	3380	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Nickel	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Boron	4720	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Lithium	19.5	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.066	mg/L	03/10/2025	GEL	EPA 300.0
Chloride	221	mg/L	03/08/2025	GEL	EPA 300.0
Sulfate	759	mg/L	03/08/2025	GEL	EPA 300.0
Total Dissolved Solids	1610	mg/L	03/21/2025	SKJACOBS	SM 2540C
Radium 226	1.21	pCi/L	04/03/2025	GEL	EPA 903.1 Mod
Radium 228	1.11	pCi/L	04/01/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.32	pCi/L	04/24/2025	SJLEVY	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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25148 **Location:** GW Well WAP-18 **Date:** 02/27/2025 **Sample Collector:** ATH/SB

Loc. Code WAP-18 **Time:** 11:49

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	117	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Barium	130	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Calcium	88.3	mg/L	03/10/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Cobalt	1.9	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Iron	1160	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Nickel	0.86	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Boron	946	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Lithium	81.8	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Molybdenum	121	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	0.132	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	39.0	mg/L	03/02/2025	GEL	EPA 300.0
Sulfate	150	mg/L	03/02/2025	GEL	EPA 300.0
Total Dissolved Solids	390.0	mg/L	03/03/2025	GJKOCENI	SM 2540C
Radium 226	1.06	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	0.485	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.55	pCi/L	04/07/2025	SLEVY	EPA 903.1 Mod
pH	5.73	SU	02/27/2025	ATH/SB	

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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25149 **Location:** GW Well WAP-19 **Date:** 03/04/2025 **Sample Collector:** BM/DA

Loc. Code WAP-19 **Time:** 14:05

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	83.1	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Barium	57.9	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Calcium	657	mg/L	03/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Cobalt	1.3	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Iron	3330	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Nickel	1.4	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Boron	4660	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Lithium	653	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Molybdenum	10.1	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	0.450	mg/L	03/10/2025	GEL	EPA 300.0
Chloride	45.5	mg/L	03/10/2025	GEL	EPA 300.0
Sulfate	1550	mg/L	03/08/2025	GEL	EPA 300.0
Total Dissolved Solids	2745	mg/L	03/21/2025	SKJACOBS	SM 2540C
Radium 226	0.636	pCi/L	04/03/2025	GEL	EPA 903.1 Mod
Radium 228	0.832	pCi/L	04/01/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.47	pCi/L	04/24/2025	SJLEVY	EPA 903.1 Mod
pH	6.32	SU	03/04/2025	BM/DA	

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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25173 **Location:** WGS well WLF-A2-1 **Date:** 03/04/2025 **Sample Collector:** BM/DA

Loc. Code WLF-A2-1 **Time:** 10:04

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	68.4	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Barium	42.4	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Calcium	112	mg/L	03/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Cobalt	2.3	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Iron	4210	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Nickel	1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Boron	1620	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Lithium	23.9	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Molybdenum	21.4	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	03/08/2025	GEL	EPA 300.0
Chloride	45.0	mg/L	03/10/2025	GEL	EPA 300.0
Sulfate	242	mg/L	03/10/2025	GEL	EPA 300.0
Total Dissolved Solids	517.5	mg/L	03/21/2025	SKJACOBS	SM 2540C
Radium 226	1.89	pCi/L	04/03/2025	GEL	EPA 903.1 Mod
Radium 228	1.25	pCi/L	04/01/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.14	pCi/L	04/24/2025	SJLEVY	EPA 903.1 Mod
pH	5.28	SU	03/04/2025	BM/DA	

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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25174 **Location:** WGS well WLF-A2-2 **Date:** 03/04/2025 **Sample Collector:** BM/DA

Loc. Code WLF-A2-2 **Time:** 11:03

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	79.7	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Barium	47.9	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Calcium	136	mg/L	03/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Cobalt	0.91	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Antimony	6.4	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Iron	1530	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Nickel	<0.5	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	03/25/2025	SKJACOBS	EPA 6020B
Boron	2150	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Lithium	102	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/25/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	03/08/2025	GEL	EPA 300.0
Chloride	31.3	mg/L	03/10/2025	GEL	EPA 300.0
Sulfate	248	mg/L	03/10/2025	GEL	EPA 300.0
Total Dissolved Solids	565.0	mg/L	03/21/2025	SKJACOBS	SM 2540C
Radium 226	0.348	pCi/L	04/03/2025	GEL	EPA 903.1 Mod
Radium 228	1.35	pCi/L	04/01/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.70	pCi/L	04/24/2025	SJLEVY	EPA 903.1 Mod
pH	6.04	SU	03/04/2025	BM/DA	

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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25175 **Location:** WGS well WLF-A2-6 **Date:** 02/27/2025 **Sample Collector:** ATH/SB

Loc. Code WLF-A2-6 **Time:** 10:42

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	5.8	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Barium	41.1	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Calcium	235	mg/L	03/10/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Cobalt	0.55	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Iron	266	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Nickel	<0.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Boron	377	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Lithium	6.36	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	0.177	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	70.2	mg/L	03/01/2025	GEL	EPA 300.0
Sulfate	257	mg/L	03/01/2025	GEL	EPA 300.0
Total Dissolved Solids	872.5	mg/L	03/03/2025	GJKOCENI	SM 2540C
Radium 226	1.06	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	0.178	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.24	pCi/L	04/07/2025	SLEVY	EPA 903.1 Mod
pH	6.59	SU	02/27/2025	ATH/SB	

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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25176 **Location:** WGS well WLF-A2-6 **Date:** 02/27/2025 **Sample Collector:** ATH/SB

Loc. Code WLF-A2-6 DUP **Time:** 10:47

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	6.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Barium	41.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Calcium	249	mg/L	03/10/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Cobalt	0.52	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Iron	277	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Nickel	<0.5	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	03/10/2025	SKJACOBS	EPA 6020B
Boron	375	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Lithium	7.13	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	0.147	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	69.5	mg/L	03/02/2025	GEL	EPA 300.0
Sulfate	252	mg/L	03/02/2025	GEL	EPA 300.0
Total Dissolved Solids	882.5	mg/L	03/03/2025	GJKOCENI	SM 2540C
Radium 226	0.0879	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	0.451	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	0.539	pCi/L	04/07/2025	SLEVY	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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25121 **Location:** GW Well WAP-1 **Date:** 02/18/2025 **Sample Collector:** MDG/DCA

Loc. Code WAP-1 **Time:** 12:29

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Barium	40.3	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Calcium	6.1	mg/L	02/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Cobalt	0.65	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Boron	26.6	ug/L	02/25/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/04/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	02/22/2025	GEL	EPA 300.0
Chloride	8.58	mg/L	02/22/2025	GEL	EPA 300.0
Sulfate	41.4	mg/L	02/21/2025	GEL	EPA 300.0
Total Dissolved Solids	62.50	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	0.883	pCi/L	03/19/2025	GEL	EPA 903.1 Mod
Radium 228	1.00	pCi/L	03/23/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.88	pCi/L	04/07/2025	SJLEVY	EPA 903.1 Mod
pH	4.63	SU	02/18/2025	MDG/DCA	

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: Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25131 **Location:** GW Well WAP-9 **Date:** 02/25/2025 **Sample Collector:** MGD/SB

Loc. Code WAP-9 **Time:** 15:21

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	44.3	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Barium	117	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Calcium	298	mg/L	03/11/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Cobalt	0.90	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Antimony	6.5	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	03/11/2025	SKJACOBS	EPA 6020B
Boron	4470	ug/L	03/06/2025	SKJACOBS	EPA 6010D
Lithium	104	ug/L	03/06/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/06/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/19/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	113	mg/L	03/02/2025	GEL	EPA 300.0
Sulfate	542	mg/L	03/02/2025	GEL	EPA 300.0
Total Dissolved Solids	1325	mg/L	02/28/2025	GJKOCENI	SM 2540C
Radium 226	1.37	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	1.09	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.46	pCi/L	04/07/2025	SLEVY	EPA 903.1 Mod
pH	6.30	SU	02/25/2025	MGD/SB	

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: _____ Validation date: 4/28/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG25164 **Location:** GW Well WBW-1 **Date:** 02/18/2025 **Sample Collector:** MDG/DCA

Loc. Code WBW-1 **Time:** 11:18

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Barium	16.1	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Calcium	1.5	mg/L	02/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Cobalt	0.61	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Nickel	0.89	ug/L	03/04/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Boron	16.4	ug/L	02/25/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/04/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	02/22/2025	GEL	EPA 300.0
Chloride	2.73	mg/L	02/22/2025	GEL	EPA 300.0
Sulfate	6.56	mg/L	02/22/2025	GEL	EPA 300.0
Total Dissolved Solids	32.50	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	0.607	pCi/L	03/19/2025	GEL	EPA 903.1 Mod
Radium 228	0.847	pCi/L	03/23/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.45	pCi/L	04/07/2025	SJLEVY	EPA 903.1 Mod
pH	4.16	SU	02/18/2025	MDG/DCA	

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: _____ Validation date: 4/29/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36871 **Location:** GW Well WAP-1 **Date:** 06/25/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-1 **Time:** 10:46

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	5.7	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Barium	36.5	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/22/2025	SKJACOBS	EPA 6020B
Calcium	6.7	mg/L	07/21/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Cobalt	0.94	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Antimony	5.3	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Boron	25.5	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/11/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/07/2025	RWMIMS	EPA 300.0
Chloride	8.81	mg/L	07/07/2025	RWMIMS	EPA 300.0
Sulfate	22.6	mg/L	07/07/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	55.00	mg/L	06/26/2025	JRLOTITO	SM 2540C
Radium 226	1.63	pCi/L	07/13/2025	GEL	EPA 903.1 Mod
Radium 228	0.513	pCi/L	07/11/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.14	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	4.34	SU	06/25/2025	AGP/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36880 **Location:** GW Well WAP-9 **Date:** 06/26/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-9 **Time:** 13:11

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	40.9	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Barium	61.6	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/22/2025	SKJACOBS	EPA 6020B
Calcium	122	mg/L	07/21/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Cobalt	3.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Boron	2020	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	67.3	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/14/2025	EUROFINS	EPA 7470
Fluoride	<0.10	mg/L	07/07/2025	RWMIMS	EPA 300.0
Chloride	47.3	mg/L	07/07/2025	RWMIMS	EPA 300.0
Sulfate	319	mg/L	07/07/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	550.0	mg/L	06/27/2025	GJKOCENI	SM 2540C
Radium 226	0.899	pCi/L	07/13/2025	GEL	EPA 903.1 Mod
Radium 228	0.908	pCi/L	07/11/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.81	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	5.31	SU	06/26/2025	AGP/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36894 **Location:** GW Well WAP-17 **Date:** 07/14/2025 **Sample Collector:** ATH/EA

Loc. Code WAP-17 **Time:** 13:48

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	96.8	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Barium	39.4	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Calcium	318	mg/L	07/29/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Boron	4250	ug/L	07/22/2025	SKJACOBS	EPA 6010D
Lithium	34.3	ug/L	07/22/2025	SKJACOBS	EPA 6010D
Molybdenum	20.6	ug/L	07/22/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/31/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/15/2025	RWMIMS	EPA 300.0
Chloride	132	mg/L	07/15/2025	RWMIMS	EPA 300.0
Sulfate	795	mg/L	07/15/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	1540	mg/L	07/16/2025	GJKOCENI	SM 2540C
Radium 226	0.802	pCi/L	08/13/2025	GEL	EPA 903.1 Mod
Radium 228	1.94	pCi/L	07/31/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.74	pCi/L	08/18/2025	SJLEVY	EPA 903.1 Mod
pH	6.07	SU	07/14/2025	ATH/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36895 **Location:** GW Well WAP-17 **Date:** 07/14/2025 **Sample Collector:** ATH/EA

Loc. Code WAP-17 DUP **Time:** 13:53

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	97.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Barium	39.2	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Calcium	312	mg/L	07/29/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Boron	4230	ug/L	07/22/2025	SKJACOBS	EPA 6010D
Lithium	35.2	ug/L	07/22/2025	SKJACOBS	EPA 6010D
Molybdenum	20.8	ug/L	07/22/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/31/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/15/2025	RWMIMS	EPA 300.0
Chloride	140	mg/L	07/15/2025	RWMIMS	EPA 300.0
Sulfate	866	mg/L	07/15/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	1548	mg/L	07/16/2025	GJKOCENI	SM 2540C
Radium 226	0.987	pCi/L	08/13/2025	GEL	EPA 903.1 Mod
Radium 228	1.67	pCi/L	07/31/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.66	pCi/L	08/18/2025	SJLEVY	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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36896 **Location:** GW Well WAP-18 **Date:** 07/08/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-18 **Time:** 11:14

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	63.3	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Barium	36.6	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Calcium	32.6	mg/L	07/23/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Boron	372	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	43.7	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Molybdenum	279	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	0.14	mg/L	07/09/2025	RWMIMS	EPA 300.0
Chloride	9.26	mg/L	07/09/2025	RWMIMS	EPA 300.0
Sulfate	46.1	mg/L	07/09/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	210.0	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	0.381	pCi/L	08/06/2025	GEL	EPA 903.1 Mod
Radium 228	0.589	pCi/L	07/29/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	0.970	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	5.53	SU	07/08/2025	AGP/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36897 **Location:** GW Well WAP-19 **Date:** 07/07/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-19 **Time:** 10:07

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	118	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Barium	58.6	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Calcium	655	mg/L	07/23/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Cobalt	0.65	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Boron	4900	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	571	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Molybdenum	11.4	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	0.29	mg/L	07/09/2025	RWMIMS	EPA 300.0
Chloride	52.9	mg/L	07/09/2025	RWMIMS	EPA 300.0
Sulfate	1520	mg/L	07/23/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	2655	mg/L	07/08/2025	JRLOTITO	SM 2540C
Radium 226	1.08	pCi/L	08/06/2025	GEL	EPA 903.1 Mod
Radium 228	2.27	pCi/L	07/29/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.35	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	6.40	SU	07/07/2025	AGP/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36911 **Location:** GW Well WBW-1 **Date:** 06/25/2025 **Sample Collector:** AGP/EA

Loc. Code WBW-1 **Time:** 09:47

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Barium	22.2	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Calcium	1.4	mg/L	07/23/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Boron	22.8	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/11/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/07/2025	RWMIMS	EPA 300.0
Chloride	2.40	mg/L	07/07/2025	RWMIMS	EPA 300.0
Sulfate	6.11	mg/L	07/07/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	30.00	mg/L	06/26/2025	JRLOTITO	SM 2540C
Radium 226	0.248	pCi/L	07/13/2025	GEL	EPA 903.1 Mod
Radium 228	1.99	pCi/L	07/11/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.24	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	3.78	SU	06/25/2025	AGP/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36919 **Location:** WGS well WLF-A2-1 **Date:** 07/09/2025 **Sample Collector:** AGP/EA

Loc. Code WLF-A2-1 **Time:** 09:42

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	88.4	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Barium	46.6	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Calcium	96.8	mg/L	07/28/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Cobalt	0.84	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Iron	3130	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Nickel	0.50	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Boron	1830	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Lithium	39.5	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Molybdenum	27.3	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/25/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/15/2025	RWMIMS	EPA 300.0
Chloride	49.4	mg/L	07/15/2025	RWMIMS	EPA 300.0
Sulfate	194	mg/L	07/15/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	532.5	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	0.840	pCi/L	08/04/2025	GEL	EPA 903.1 Mod
Radium 228	2.03	pCi/L	08/04/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.87	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	5.25	SU	07/09/2025	AGP/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36920 **Location:** WGS well WLF-A2-2 **Date:** 07/09/2025 **Sample Collector:** AGP/EA

Loc. Code WLF-A2-2 **Time:** 10:28

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	137	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Barium	50.3	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Calcium	139	mg/L	07/28/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Iron	3020	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Nickel	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Boron	2340	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Lithium	122	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/25/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/18/2025	RWMIMS	EPA 300.0
Chloride	31.9	mg/L	07/15/2025	RWMIMS	EPA 300.0
Sulfate	252	mg/L	07/15/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	607.5	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	0.531	pCi/L	08/04/2025	GEL	EPA 903.1 Mod
Radium 228	1.73	pCi/L	08/04/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.26	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	5.87	SU	07/09/2025	AGP/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36921 **Location:** WGS well WLF-A2-6 **Date:** 07/07/2025 **Sample Collector:** AGP/EA

Loc. Code WLF-A2-6 **Time:** 15:20

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Barium	47.3	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Calcium	258	mg/L	07/23/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Cobalt	0.52	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Iron	330	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Nickel	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Boron	786	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/09/2025	RWMIMS	EPA 300.0
Chloride	35.6	mg/L	07/09/2025	RWMIMS	EPA 300.0
Sulfate	407	mg/L	07/09/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	957.5	mg/L	07/08/2025	JRLOTITO	SM 2540C
Radium 226	0.443	pCi/L	08/06/2025	GEL	EPA 903.1 Mod
Radium 228	0.978	pCi/L	07/29/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.42	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	6.25	SU	07/07/2025	AGP/EA	

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: Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG36922 **Location:** WGS well WLF-A2-6 **Date:** 07/07/2025 **Sample Collector:** AGP/EA

Loc. Code WLF-A2-6 DUP **Time:** 15:25

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Barium	48.7	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Calcium	259	mg/L	07/23/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Copper	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Iron	393	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Antimony	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Nickel	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Zinc	<10.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Boron	792	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/09/2025	RWMIMS	EPA 300.0
Chloride	36.0	mg/L	07/09/2025	RWMIMS	EPA 300.0
Sulfate	394	mg/L	07/09/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	977.5	mg/L	07/08/2025	JRLOTITO	SM 2540C
Radium 226	0.292	pCi/L	08/06/2025	GEL	EPA 903.1 Mod
Radium 228	0.745	pCi/L	07/29/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.04	pCi/L	08/07/2025	SJLEVY	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: _____ Validation date: 9/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG50069 **Location:** GW Well WAP-9 **Date:** 10/29/2025 **Sample Collector:**

Loc. Code WAP-9 Field Parameters Only **Time:** 00:00

Analysis	Result	Units	Test Date	Analyst	Method
pH	5.70	SU	10/29/2025	CG/JR	

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: _____ Validation date: 12/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

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 # AG50068 **Location:** WGS well WLF-A2-6 **Date:** 10/29/2025 **Sample Collector:** CG/JR

Loc. Code WLF-A2-6 **Time:** 10:39

Analysis	Result	Units	Test Date	Analyst	Method
Calcium	211	mg/L	11/10/2025	SKJACOBS	EPA 6020B
Boron	553	ug/L	11/10/2025	SKJACOBS	EPA 6010D
Chloride	31.6	mg/L	11/03/2025	RWMIMS	EPA 300.0
Sulfate	284	mg/L	11/03/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	732.5	mg/L	11/04/2025	DCCOLLIN	SM 2540C
pH	6.12	SU	10/29/2025	CG/JR	

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: Validation date: 12/9/25

Linda Williams - Manager Analytical Services

Authorized Signature Only- Not Valid Unless Signed

santee cooper

Chain of Custody

Winyah
CCR
Area 2 Class 3
LF

(WAP-17,18,19, WLF-A2-1, 2, 6, and Duplicate WAP-17 and WLF-A2-6 and field blanks for WLF-A2-6 and WAP-19)

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

Project/Task/Unit # 125915 JM02.08.G01.1 / 36500

Contract Lab Due Date (Lab Only) : _____

Sample Analysis Requested (Method)

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	Collection By	Sample Type: Grab/Comp	Sample Type: Matrix	Number of Containers	As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl, Cu, Fe, Ni, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228	
	Preservative							1	1	1	1	1,2	
	Bottle Type (Glass/Plastic)							P	P	P	P	P	
	Fill in the Number of Containers for each Test												
AG25177	WLF-A2-6F	2/27/25	1006	ATH/SB	G	GW	7	2	1	1	1	2	
AG25175	WLF-A2-6	2/27/25	1042	ATH/SB	G	GW	7	2	1	1	1	2	
AG25176	WLF-A2-6 DUP	2/27/25	1047	ATH/SB	G	GW	7	2	1	1	1	2	
AG25148	WAP-18	2/27/25	1149	ATH/SB	G	GW	7	2	1	1	1	2	

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
5.5	SJL

Comments

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
2/27/25 @ 1414

Matrix Code: GW-Groundwater, DW-Drinking Water, SW-Surface Water, WW-Wastewater, BW-Boiler Water, L-Limestone, O-Oil, S-Soil, SL-Solid, C-Coal, G-Gypsum, FA-Fly Ash, BA-Bottom Ash, M-Misc (Describe in Comments)

Preservation used: 1-<4°C, 2-HNO_3, 3-H_2SO_4, 4-HCl, 5-$Na_2S_2O_3$, 6-Other (Specify) | Bottle Type: (G) Glass (P) Plastic | Sample Type: (G) Grab, (C) Composite

Start Date/Time:

End Date/Time:

Preservative Record | Correct pH: RAD (Yes) No | If preserved, Lot# 235816/1107801J | Date/Time/Int GEL 1/10/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
	36887	2/27/25	1400	SRwy	35594	2/27/25	1358
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan | Hardgrove Grindability Index
Sieve Analysis | Pulverizer Fineness | Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

Chain of Custody

Winyah
CCR
Area 2 Class 3
LF

(WAP-17,18,19, WLF-A2-1, 2, 6, and Duplicate WAP-17 and WLF-A2-6 and field blanks for WLF-A2-6 and WAP-19)

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

Project/Task/Unit # 125915 JM02.08.G01.1 / 36500

Contract Lab Due Date (Lab Only) : _____

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	By	Grab/Comp	Matrix	Number of Containers	As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl, Cu, Fe, Ni, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228
	Preservative							2	1	1	1	1,2
	Bottle Type (Glass/Plastic)							P	P	P	P	P
	Sample Type											
	Sample Analysis Requested (Method)											
								Fill in the Number of Containers for each Test				
AG25173	WLF-A2-1	3/4/2025	1004	BM DA	G	GW	7	2	1	1	1	2
AG25174	WLF-A2-2	3/4/2025	1103	BM DA	G	GW	7	2	1	1	1	2
AG25146	WAP-17	3/4/2025	1200	BM DA	G	GW	7	2	1	1	1	2
AG25147	WAP-17 Dup	3/4/2025	1205	BM DA	G	GW	7	2	1	1	1	2
AG25149	WAP-19	3/4/2025	1405	BM DA	G	GW	7	2	1	1	1	2
AG25150	WAP-19F	3/4/2025	1410	BM DA	G	GW	7	2	1	1	1	2

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
5.6	SJL

Comments

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
3/5/25 @ 1045 SJL

Matrix Code: GW-Groundwater, DW-Drinking Water, SW-Surface Water, WW-Wastewater, BW-Boiler Water, L-Limestone, O-Oil, S-Soil, SL-Solid, C-Coal, G-Gypsum, FA-Fly Ash, BA-Bottom Ash, M-Misc (Describe in Comments)

Preservation used: 1-<4°C, 2-HNO_3, 3-H_2SO_4, 4-HCl, 5-$Na_2S_2O_3$, 6-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples:

Start Date/Time:

End Date/Time:

Preservative Record | Correct pH: RAD Yes No | If preserved, Lot# 235816/1107801J | Date/Time/Int GEL 1/10/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Brad McCrary	37401	3/5/2025	0805	Sherry	35594	3/5/25	0805
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

santee cooper

Chain of Custody

Winyah NPDES/CCR
(WAP- 2, 2R, 3, 4, 9, & 10 Duplicate WAP-10 and field blanks for WAP-2 and WAP-19)

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

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

Contract Lab Due Date (Lab Only) : _____

Sample Analysis Requested (Method)

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	By	Grab/Comp	Matrix	Number of Containers	Preservative	Bottle Type (Glass/Plastic)	Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Mg, Pb, Sb, Se, Ti, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228
					Sample Type					Fill in the Number of Containers for each Test				
AG25131	WAP-9	2/25/25	1529	MD/SB	G	GW	7	1	P	2	1	1	1	2
AG25132	WAP-9 F		1450				7	2	P	2	1	1	1	2
AG25133	WAP-10		1345				7	2	P	2	1	1	1	2
AG25134	WAP-10 Dup		1350				7	2	P	2	1	1	1	2

Low sample volume in Rad 228 bottle

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
0.6	SJL

Comments

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
2/26/25 0110 SJL

Matrix Code: **GW**-Groundwater, **DW**-Drinking Water, **SW**-Surface Water, **WW**-Wastewater, **BW**-Boiler Water, **L**-Limestone, **O**-Oil, **S**-Soil, **SL**-Solid, **C**-Coal, **G**-Gypsum, **FA**-Fly Ash, **BA**-Bottom Ash, **M**-Misc (Describe in Comments)

Preservation used: **1**-<4°C, **2**-HNO_3, **3**-H_2SO_4, **4**-HCl, **5**-$Na_2S_2O_3$, **6**-Other (Specify) Bottle Type: (G) Glass (P) Plastic Sample Type: (G) Grab, (C) Composite

Composite Samples:
Start Date/Time:
End Date/Time:

Preservative Record	Correct pH: NA	Yes	No	If preserved, Lot#	Date/Time/Int
				235816 / 110781J	GEL 1/10/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
	36887	2/26/25	0705		36851	2/26/25	0700
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

VSJL

Winyah

NPDES/
CCR/LF

(WAP-1 & 7
and
WBW-1)

Chain of Custody

santee cooper

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

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

Contract Lab Due Date (Lab Only) :

Sample Analysis Requested (Method)

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	By	Sample Type Grab/Comp	Sample Type Matrix	Number of Containers	Preservative	As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl	B, Li, Mo, Hg	Ra 226, Ra 228	F, Cl, SO4	TDS	Al, Cu, Fe, Mg, Ni, Zn
								Bottle Type (Glass/Plastic)	P	P	P	P	P	P
								Fill in the Number of Containers for each Test						
AG25164	WBW-1	2/18/25	1118	MDA/DCA	G	GW	7		1	1	2	1	1	1
AG25121	WAP-1	↓	1229	↓	G	GW	7		1	1	2	1	1	1

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
2.1	SJL

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
2/19/25 @ 0920 SJL
santee cooper

Matrix Code: GW-Groundwater, DW-Drinking Water, SW-Surface Water, WW-Wastewater, BW-Boiler Water, L-Limestone, O-Oil, S-Soil, SL-Solid, C-Coal, G-Gypsum, FA-Fly Ash, BA-Bottom Ash, M-Misc (Describe in Comments)

Preservation used: 1-<4°C, 2-HNO_3, 3-H_2SO_4, 4-HCl, 5-$Na_2S_2O_3$, 6-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples:

Start Date/Time:

End Date/Time:

Preservative Record Correct pH: RMP (Yes) No If preserved, Lot# 235816/1107801J Date/Time/Int GEL 1/10/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
[signature]	36887	2/19/25	0715	S Levy	35594	2/19/25	0715
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

Winyah
NPDES/CCR.
(WAP- 2, 2R, 3, 4, 9, & 10 Duplicate WAP-10 and field blank for WAP-2)

santee cooper

Chain of Custody

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

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

Contract Lab Due Date (Lab Only) :

Sample Analysis Requested (Method)

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	By	Grab/Comp	Matrix	Number of Containers	Al, As, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Mg, Pb, Sb, Se, Tl, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228
	Preservative							1	1	1	1	1/2
	Bottle Type (Glass/Plastic)							P	P	P	P	P
	Sample Type				Grab/Comp	Matrix	Number of Containers	Fill in the Number of Containers for each Test				
AG36881	WAP-10	6/26/25	1058	AGP/EA	G	GW	7	2	1	1	1	2
AG36882	WAP-10 Dup	6/26/25	1103	AGP/EA	G	GW	7	2	1	1	1	2
AG36880	WAP-9	6/26/25	1311	AGP/EA	G	GW	7	2	1	1	1	2
AG36874	WAP-3	6/26/25	1424	AGP/EA	G	GW	7	2	1	1	1	2
AG36875	WAP-4	6/26/25	1533	AGP/EA	G	GW	7	2	1	1	1	2

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
2.3	TH

Comments

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
santee cooper 6/27/25 @ 0900

Matrix Code: **GW**-Groundwater, **DW**-Drinking Water, **SW**-Surface Water, **WW**-Wastewater, **BW**-Boiler Water, **L**-Limestone, **O**-Oil, **S**-Soil, **SL**-Solid, **C**-Coal, **G**-Gypsum, **FA**-Fly Ash, **BA**-Bottom Ash, **M**-Misc (Describe in Comments)

Preservation used: **1**-<4°C, **2**-HNO_3, **3**-H_2SO_4, **4**-HCl, **5**-$Na_2S_2O_3$, **6**-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples: JRL

Start Date/Time:

End Date/Time:

Preservative Record Correct pH: (Yes) No

If preserved, Lot# 220325000 / 4G10944 Date/Time/Int GEL 5/28/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Walton Rush	38361	6/27/25	824	[signature]	36851	6/27/25	0827
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

santee cooper

Chain of Custody

Winyah
NPDES/
CCR/LF
(WAP-1 & 7 and WBW-1)

Customer/Send Report To: Melanie Goings/A203
Need Results By (Date Needed): 3 Weeks
Project/Task/Unit # 125915 JM02.09.G01.1 / 36500
Contract Lab Due Date (Lab Only) :

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	Collection By	Sample Type Grab/Comp	Sample Type Matrix	Number of Containers	Sample Analysis Requested (Method): As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl	B, Li, Mo, Hg	Ra 226, Ra 228	F, Cl, SO4	TDS	Al, Cu, Fe, Mg, Ni, Zn
Preservative								1	1	V/2	1	1	1
Bottle Type (Glass/Plastic)								P	P	P	P	P	P
AG36911	WBW-1	6/25/25	947	AGP/EA	G	GW	7	1	1	2	1	1	1
AG36871	WAP-1	6/25/25	1046	AGP/EA	G	GW	7	1	1	2	1	1	1
AG36878	WAP-7	6/25/25	1215	AGP/EA	G	GW	7	1	1	2	1	1	1

Fill in the Number of Containers for each Test

Temperature Checks: Internal Use Only	
TEMP (°C)	INIT
0.4	TH

EDITED DATE TIMES
ADDED PARAMETERS SJL

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
6/26/25 @ 0753 TH

Matrix Code: GW-Groundwater, DW-Drinking Water, SW-Surface Water, WW-Wastewater, BW-Boiler Water, L-Limestone, O-Oil, S-Soil, SL-Solid, C-Coal, G-Gypsum, FA-Fly Ash, BA-Bottom Ash, M-Misc (Describe in Comments)
Preservation used: 1-<4°C, 2-HNO_3, 3-H_2SO_4, 4-HCl, 5-$Na_2S_2O_3$, 6-Other (Specify)
Bottle Type: (G) Glass (P) Plastic
Sample Type: (G) Grab, (C) Composite

Composite Samples:
Start Date/Time:
End Date/Time:

Preservative Record Correct pH: (Yes) No If preserved, Lot# 220325000/4G10944 Date/Time/Int GEL 5/28/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
	38361	6/26/25	742		36851	6/26/25	0742
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**

Available Analyses:
TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

santee cooper

Chain of Custody

Winy
CCR
Area 2 Class 3
LF

(WAP-17,18,19, WLF-A2-1, 2, 6, and Duplicate WAP-17 and WLF-A2-6 and field blanks for WLF-A2-6 and WAP-19)

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

Project/Task/Unit # 125915 JM02.08.G01.1 / 36500

Contract Lab Due Date (Lab Only) :

Sample Analysis Requested (Method)

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	By	Sample Type: Grab/Comp	Sample Type: Matrix	Number of Containers	As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl, Cu, Fe, Ni, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228
Preservative								1	1	1	1	1/2
Bottle Type (Glass/Plastic)								P	P	P	P	P
AG36921	WLF-A2-6	7/7/25	1520	AGP/EA	G	GW	7	2	1	1	1	2
AG36922	WLF-A2-6 Dup	7/7/25	1525	AGP/EA	G	GW	7	2	1	1	1	2
AG36931	WLF-A2-6-F	7/7/25	1525	AGP/EA	G	GW	7	2	1	1	1	2

Fill in the Number of Containers for each Test

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
5.1	SJL

Comments

-EDITED DATE & TIMES
ADDED ANALYSIS

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
7/8/25 @ 0859 SJL

Matrix Code: **GW**-Groundwater, **DW**-Drinking Water, **SW**-Surface Water, **WW**-Wastewater, **BW**-Boiler Water, **L**-Limestone, **O**-Oil, **S**-Soil, **SL**-Solid, **C**-Coal, **G**-Gypsum, **FA**-Fly Ash, **BA**-Bottom Ash, **M**-Misc (Describe in Comments)

Preservation used: **1**-<4°C, **2**-HNO_3, **3**-H_2SO_4, **4**-HCl, **5**-$Na_2S_2O_3$, **6**-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples:

Start Date/Time:

End Date/Time:

Preservative Record	Correct pH: Yes No	If preserved, Lot# 220325000 / 4G10944	Date/Time/Int GEL 5/28/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
[illegible]	39361	7/8/25	741	S. Levy	35594	7/8/25	0742
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

Chain of Custody

santee cooper

Winyah
CCR
Area 2 Class 3
LF

(WAP-17,18,19, WLF-A2-1, 2, 6, and Duplicate WAP-17 and WLF-A2-6 and field blanks for WLF-A2-6 and WAP-19)

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

Project/Task/Unit # 125915 JM02.08.G01.1 / 36500

Contract Lab Due Date (Lab Only) :

Sample Analysis Requested (Method)

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	Collection By	Sample Type Grab/Comp	Sample Type Matrix	Number of Containers	As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl, Cu, Fe, Ni, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228
Preservative								1	1	1	1	1/0
Bottle Type (Glass/Plastic)								P	P	P	P	P
AG36897	WAP-19	7/7/25	1007	AGP/EA	G	GW	7	2	1	1	1	2
AG36929	WAP-19 F	7/7/25	1012	AGP/EA	G	GW	7	2	1	1	1	2

Fill in the Number of Containers for each Test

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
5.1	SJL

Comments

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
7/8/25 e0859 SJL

Matrix Code: **GW**-Groundwater, **DW**-Drinking Water, **SW**-Surface Water, **WW**-Wastewater, **BW**-Boiler Water, **L**-Limestone, **O**-Oil, **S**-Soil, **SL**-Solid, **C**-Coal, **G**-Gypsum, **FA**-Fly Ash, **BA**-Bottom Ash, **M**-Misc (Describe in Comments)

Preservation used: **1**-<4°C, **2**-HNO_3, **3**-H_2SO_4, **4**-HCl, **5**-$Na_2S_2O_3$, **6**-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples:

Start Date/Time:

End Date/Time:

Preservative Record	Correct pH: Yes No	If preserved, Lot#	Date/Time/Int
	Yes	220325000/4G10944	GEL 5/28/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Ashton Tuck	38361	7/8/25	742	S. Levy	35594	7/8/25	0742
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

santee cooper

Chain of Custody

Willy
CCR
Area 2 Class 3
LF

(WAP-17,18,19, WLF-A2-1, 2, 6, and Duplicate WAP-17 and WLF-A2-6 and field blanks for WLF-A2-6 and WAP-19)

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

Project/Task/Unit # 125915 JM02.08.G01.1 / 36500

Contract Lab Due Date (Lab Only) : _____

Sample Analysis Requested (Method)

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	Collection By	Sample Type: Grab/Comp	Sample Type: Matrix	Number of Containers	Preservative	Bottle Type (Glass/Plastic)	As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl, Cu, Fe, Ni, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228	
								1	1	1	1	1/2			
								P	P	P	P	P			
								Fill in the Number of Containers for each Test							
AG36896	WAP-18	7/8/25	1114	AGG/EA	G	GW	7	2	1	1	1	2			

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
2.1	SJL

Comments

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
7/9/25 @ 0916 SJL

Matrix Code: **GW**-Groundwater, **DW**-Drinking Water, **SW**-Surface Water, **WW**-Wastewater, **BW**-Boiler Water, **L**-Limestone, **O**-Oil, **S**-Soil, **SL**-Solid, **C**-Coal, **G**-Gypsum, **FA**-Fly Ash, **BA**-Bottom Ash, **M**-Misc (Describe in Comments)

Preservation used: **1**-<4°C, **2**-HNO_3, **3**-H_2SO_4, **4**-HCl, **5**-$Na_2S_2O_3$, **6**-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples:

Start Date/Time:

End Date/Time:

Preservative Record Correct pH: (Yes) No If preserved, Lot# 220325000/4G10944 Date/Time/Int GEL 5/28/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
	38361	7/9/25	740	S. Levy	35594	7/9/25	0740
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

Chain of Custody

CCR Winy
Area 2 Class 3
LF

(WAP-17,18,19, WLF-A2-1, 2, 6, and Duplicate WAP-17 and WLF-A2-6 and field blanks for WLF-A2-6 and WAP-19)

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

Project/Task/Unit # 125915 JM02.08.G01.1 / 36500

Contract Lab Due Date (Lab Only) : _____

Sample Analysis Requested (Method)

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	Collection By	Sample Type: Grab/Comp	Sample Type: Matrix	Number of Containers	As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl, Cu, Fe, Ni, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228	
Preservative								1	1	1	1	1/2	
Bottle Type (Glass/Plastic)								P	P	P	P	P	
AG36919	WLF-A2-1	7/9/25	942	AGP/EA	G	GW	7	2	1	1	1	2	
AG36920	WLF-A2-2	7/9/25	1038	AGP/EA	G	GW	7	2	1	1	1	2	

Fill in the Number of Containers for each Test

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
4.9	SJL

Comments

- EDITED DATE + TIMES
- ADDED ANALYSIS

SJL

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
7/10/25 @ 0930 SJL

Matrix Code: **GW**-Groundwater, **DW**-Drinking Water, **SW**-Surface Water, **WW**-Wastewater, **BW**-Boiler Water, **L**-Limestone, **O**-Oil, **S**-Soil, **SL**-Solid, **C**-Coal, **G**-Gypsum, **FA**-Fly Ash, **BA**-Bottom Ash, **M**-Misc (Describe in Comments)

Preservation used: **1**-<4°C, **2**-HNO_3, **3**-H_2SO_4, **4**-HCl, **5**-$Na_2S_2O_3$, **6**-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples:

Start Date/Time:

End Date/Time:

Preservative Record Correct pH: (Yes) No If preserved, Lot# 220325000/4G10944 Date/Time/Int GEL 5/28/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Christa Hall	38361	7/10/25	743	S. Levy	35594	7/10/25	0756
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

santee cooper

Chain of Custody

Winyah
CCR
Area 2 Class 3
LF

(WAP-17,18,19, WLF-A2-1, 2, 6, and Duplicate WAP-17 and WLF-A2-6 and field blanks for WLF-A2-6 and WAP-19)

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

Project/Task/Unit # 125915 JM02.08.G01.1 / 36500

Contract Lab Due Date (Lab Only) :

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	Collection By	Sample Type: Grab/Comp	Sample Type: Matrix	Number of Containers	Sample Analysis Requested (Method): As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl, Cu, Fe, Ni, Zn	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228	
Preservative								1	1	1	1	1,2	
Bottle Type (Glass/Plastic)								P	P	P	P	P	
AG36894	WAP 17	7/14/25	1348	ATH/EA	G	GW	7	2	1	1	1	2	
AG36895	WAP 17 DUP	7/14/25	1353	ATH/EA	G	GW	7	2	1	1	1	2	

Fill in the Number of Containers for each Test

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
4.1	SJL

Comments

- EDITED DATE & TIMES
- ADDED ANALYSES - SJL

Spectrum Lot # 1124081
Batch # 20250213-01
Nitric Acid (HNO3)
7/15/25 @ 0825 SJL

Matrix Code: **GW**-Groundwater, **DW**-Drinking Water, **SW**-Surface Water, **WW**-Wastewater, **BW**-Boiler Water, **L**-Limestone, **O**-Oil, **S**-Soil, **SL**-Solid, **C**-Coal, **G**-Gypsum, **FA**-Fly Ash, **BA**-Bottom Ash, **M**-Misc (Describe in Comments)

Preservation used: **1**-<4°C, **2**-HNO_3, **3**-H_2SO_4, **4**-HCl, **5**-$Na_2S_2O_3$, **6**-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples:

Start Date/Time:

End Date/Time:

Preservative Record Correct pH: (Yes) No If preserved, Lot# 220325000/4G10944 Date/Time/Int GEL 5/28/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
	36887	7/15/25	0715	S. Levy	35594	7/15/25	0715
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

Winyah
Confirmaiton Sampling
(WLF-A1-2, WLF-A2-6 and WAP-10 with duplicate)

Chain of Custody

santee cooper

Customer/Send Report To: Melanie Goings/A203

Need Results By (Date Needed): 3 Weeks

Project/Task/Unit # 125915 JM02.09.G01.1 / 36110

Contract Lab Due Date (Lab Only) : _____

Labworks ID Number	Sample Location / Description	Collection Date	Collection Time	Collection By	Sample Type: Grab/Comp	Sample Type: Matrix	Number of Containers	Sample Analysis Requested (Method): As and Li	B	TDS	Cl, SO4	Ca
	Preservative							1	1	1	1	1
	Bottle Type (Glass/Plastic)							P	P	P	P	P
								Fill in the Number of Containers for each Test				
WLF-A1-2	AG50064	10/29/25	1339	CG/JR	G	GW	1		1			
* **WLF-A2-6**	AG50068	10/29/25	1039	CG/JR	G	GW	3		1	1	1	1
WAP-10	AG50070	10/29/25	1152	CG/JR	G	GW	1	1				
WAP-10 duplicate	AG50071	10/29/25	1157	CG/JR	G	GW	1	1				

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
3.2	SJL

Comments

* –ADDED Cl CORRECTED IN LABWORKS

Spectrum Lot # 1125040
Batch # 20250730-01
1:1 Nitric Acid (HNO3)
10/30/25 @ 0945 DC

Matrix Code: **GW**-Groundwater, **DW**-Drinking Water, **SW**-Surface Water, **WW**-Wastewater, **BW**-Boiler Water, **L**-Limestone, **O**-Oil, **S**-Soil, **SL**-Solid, **C**-Coal, **G**-Gypsum, **FA**-Fly Ash, **BA**-Bottom Ash, **M**-Misc (Describe in Comments)

Preservation used: **1**-<4°C, **2**-HNO_3, **3**-H_2SO_4, **4**-HCl, **5**-$Na_2S_2O_3$, **6**-Other (Specify)

Bottle Type: (G) Glass (P) Plastic

Sample Type: (G) Grab, (C) Composite

Composite Samples:
Start Date/Time:
End Date/Time:

Preservative Record	Correct pH: Yes (No)	If preserved, Lot#	Date/Time/Int

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
CKill	38548	10/29/25	1501	S. Levy	35594	10/29/25	1506
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**
Relinquished by: (To Person / Lockbox)	**Employee #**	**Date**	**Time**	**Received by: (From Person / Lockbox)**	**Employee #**	**Date**	**Time**

Available Analyses:

TOC / DOC
TP, TPO4, NH3-N
F, Cl, NO2, Br, NO3, SO4, OPO4
TDS, TSS
Sulfide
BTEX, Napthalene, MTBE, VOC
Rad 226, Rad 228
Oil & Grease
E.coli, Total Coliform

Metals: Ag, Al, As, B, Be, Ba, Ca, Cd, Co, Cr Cu, Fe, Hg, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb Se, Sn, Tl, V, Zn, P, S, SiO2, Sr, Ti, CrVI

Dissolved Metals: As, Fe

pH

Wallboard Gyp: AIM, TOC, Total and Soluble Metals, Purity, % Moisture, Sulfites, pH, Chloride, Particle Size
Daily Gyp: Free Moisture, Purity (CaSO4)
Limestone Analysis: Acid Insoluble Matter, Total Metals, LOI, Purity (CaCO3), % Moisture
Flyash: Ammonia, LOI, % Carbon, Free CaO, Mineral Analysis

Coal Short Prox: % Moisture, Ash, Sulfur, BTUs
Coal Ultimate: % Moisture, Ash, Sulfur, BTUs , Volatile Matter, CHN
XRF Scan Hardgrove Grindability Index
Sieve Analysis Pulverizer Fineness Particulate Matter Analysis

Oil Quality: % Moisture, Color, Acidity Dielectric Strength, Interfacial Tension Density
Togas: Dissolved Gases in Oil
Metals (Oil): As, Cd, Cr, Ni, Pb, Hg
Flash point, Total Halogens, PCB
Gofer Oil:#GOFER **Used Oil:**#USED OIL

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/25/2025 4:16:02 PM

JOB DESCRIPTION

125915/jm02.08.g01.1/36500

JOB NUMBER

705-36875-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
7/25/2025 4:16:02 PM

Authorized for release by
Tiffany Heifferon, Project Manager I
Tiffany.Heifferon@et.eurofinsus.com
(770)457-8177

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 6
Method Summary 7
Definitions 8
Client Sample Results 9
QC Association 11
QC Sample Results 12
Chronicle 13
Chain of Custody 16
Receipt Checklists 20
Certification Summary 21
End Of Report 22

Job ID: 705-36875-1 — Eurofins Atlanta

Job Narrative
705-36875-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/16/2025 9:45 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 25.5°C.

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

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/jm02.08.g01.1/36500

Job ID: 705-36875-1

Client Sample ID: AG36897 — Lab Sample ID: 705-36875-1

No Detections.

Client Sample ID: AG36929 — Lab Sample ID: 705-36875-2

No Detections.

Client Sample ID: AG36921 — Lab Sample ID: 705-36875-3

No Detections.

Client Sample ID: AG36922 — Lab Sample ID: 705-36875-4

No Detections.

Client Sample ID: AG36931 — Lab Sample ID: 705-36875-5

No Detections.

Client Sample ID: AG36901 — Lab Sample ID: 705-36875-6

No Detections.

Client Sample ID: AG36910 — Lab Sample ID: 705-36875-7

No Detections.

Client Sample ID: AG36906 — Lab Sample ID: 705-36875-8

No Detections.

Client Sample ID: AG36896 — Lab Sample ID: 705-36875-9

No Detections.

Client Sample ID: AG36899 — Lab Sample ID: 705-36875-10

No Detections.

Client Sample ID: AG36892 — Lab Sample ID: 705-36875-11

No Detections.

Client Sample ID: AG36909 — Lab Sample ID: 705-36875-12

No Detections.

Client Sample ID: AG36900 — Lab Sample ID: 705-36875-13

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Atlanta

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/jm02.08.g01.1/36500

Job ID: 705-36875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
705-36875-1	AG36897	Water	07/07/25 10:07	07/16/25 09:45
705-36875-2	AG36929	Water	07/07/25 10:12	07/16/25 09:45
705-36875-3	AG36921	Water	07/07/25 15:20	07/16/25 09:45
705-36875-4	AG36922	Water	07/07/25 15:25	07/16/25 09:45
705-36875-5	AG36931	Water	07/07/25 15:25	07/16/25 09:45
705-36875-6	AG36901	Water	07/07/25 11:37	07/16/25 09:45
705-36875-7	AG36910	Water	07/07/25 13:28	07/16/25 09:45
705-36875-8	AG36906	Water	07/07/25 12:30	07/16/25 09:45
705-36875-9	AG36896	Water	07/08/25 11:14	07/16/25 09:45
705-36875-10	AG36899	Water	07/08/25 09:25	07/16/25 09:45
705-36875-11	AG36892	Water	07/08/25 13:40	07/16/25 09:45
705-36875-12	AG36909	Water	07/08/25 14:34	07/16/25 09:45
705-36875-13	AG36900	Water	07/08/25 12:22	07/16/25 09:45

Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/jm02.08.g01.1/36500

Job ID: 705-36875-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	EET ATL
7470A	Preparation, Mercury	SW846	EET ATL

Protocol References:

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

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

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

Client: South Carolina Public Service Authority
Project/Site: 125915/jm02.08.g01.1/36500

Job ID: 705-36875-1

Client Sample ID: AG36897
Lab Sample ID: 705-36875-1
Date Collected: 07/07/25 10:07
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:05	1

Client Sample ID: AG36929
Lab Sample ID: 705-36875-2
Date Collected: 07/07/25 10:12
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:16	1

Client Sample ID: AG36921
Lab Sample ID: 705-36875-3
Date Collected: 07/07/25 15:20
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:20	1

Client Sample ID: AG36922
Lab Sample ID: 705-36875-4
Date Collected: 07/07/25 15:25
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:24	1

Client Sample ID: AG36931
Lab Sample ID: 705-36875-5
Date Collected: 07/07/25 15:25
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:28	1

Client Sample ID: AG36901
Lab Sample ID: 705-36875-6
Date Collected: 07/07/25 11:37
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:32	1

Client Sample ID: AG36910
Lab Sample ID: 705-36875-7
Date Collected: 07/07/25 13:28
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:47	1

Client: South Carolina Public Service Authority
Project/Site: 125915/jm02.08.g01.1/36500

Job ID: 705-36875-1

Client Sample ID: AG36906
Lab Sample ID: 705-36875-8
Date Collected: 07/07/25 12:30
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:51	1

Client Sample ID: AG36896
Lab Sample ID: 705-36875-9
Date Collected: 07/08/25 11:14
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:55	1

Client Sample ID: AG36899
Lab Sample ID: 705-36875-10
Date Collected: 07/08/25 09:25
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 19:59	1

Client Sample ID: AG36892
Lab Sample ID: 705-36875-11
Date Collected: 07/08/25 13:40
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 20:03	1

Client Sample ID: AG36909
Lab Sample ID: 705-36875-12
Date Collected: 07/08/25 14:34
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 20:07	1

Client Sample ID: AG36900
Lab Sample ID: 705-36875-13
Date Collected: 07/08/25 12:22
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 20:11	1

Metals

Prep Batch: 70066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36875-1	AG36897	Total/NA	Water	7470A	
705-36875-2	AG36929	Total/NA	Water	7470A	
705-36875-3	AG36921	Total/NA	Water	7470A	
705-36875-4	AG36922	Total/NA	Water	7470A	
705-36875-5	AG36931	Total/NA	Water	7470A	
705-36875-6	AG36901	Total/NA	Water	7470A	
705-36875-7	AG36910	Total/NA	Water	7470A	
705-36875-8	AG36906	Total/NA	Water	7470A	
705-36875-9	AG36896	Total/NA	Water	7470A	
705-36875-10	AG36899	Total/NA	Water	7470A	
705-36875-11	AG36892	Total/NA	Water	7470A	
705-36875-12	AG36909	Total/NA	Water	7470A	
705-36875-13	AG36900	Total/NA	Water	7470A	
MB 705-70066/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-70066/2-A	Lab Control Sample	Total/NA	Water	7470A	
705-36875-1 MS	AG36897	Total/NA	Water	7470A	
705-36875-1 MSD	AG36897	Total/NA	Water	7470A	

Analysis Batch: 70195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36875-1	AG36897	Total/NA	Water	7470A	70066
705-36875-2	AG36929	Total/NA	Water	7470A	70066
705-36875-3	AG36921	Total/NA	Water	7470A	70066
705-36875-4	AG36922	Total/NA	Water	7470A	70066
705-36875-5	AG36931	Total/NA	Water	7470A	70066
705-36875-6	AG36901	Total/NA	Water	7470A	70066
705-36875-7	AG36910	Total/NA	Water	7470A	70066
705-36875-8	AG36906	Total/NA	Water	7470A	70066
705-36875-9	AG36896	Total/NA	Water	7470A	70066
705-36875-10	AG36899	Total/NA	Water	7470A	70066
705-36875-11	AG36892	Total/NA	Water	7470A	70066
705-36875-12	AG36909	Total/NA	Water	7470A	70066
705-36875-13	AG36900	Total/NA	Water	7470A	70066
MB 705-70066/1-A	Method Blank	Total/NA	Water	7470A	70066
LCS 705-70066/2-A	Lab Control Sample	Total/NA	Water	7470A	70066
705-36875-1 MS	AG36897	Total/NA	Water	7470A	70066
705-36875-1 MSD	AG36897	Total/NA	Water	7470A	70066

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-70066/1-A
Matrix: Water
Analysis Batch: 70195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70066

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		07/24/25 13:24	07/24/25 18:57	1

Lab Sample ID: LCS 705-70066/2-A
Matrix: Water
Analysis Batch: 70195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70066

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00400	0.00413		mg/L		103	80 - 120		

Lab Sample ID: 705-36875-1 MS
Matrix: Water
Analysis Batch: 70195

Client Sample ID: AG36897
Prep Type: Total/NA
Prep Batch: 70066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	<0.00020		0.00400	0.00407		mg/L		102	75 - 125		

Lab Sample ID: 705-36875-1 MSD
Matrix: Water
Analysis Batch: 70195

Client Sample ID: AG36897
Prep Type: Total/NA
Prep Batch: 70066

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.00020		0.00400	0.00407		mg/L		102	75 - 125	0	20

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/jm02.08.g01.1/36500

Job ID: 705-36875-1

Client Sample ID: AG36897
Date Collected: 07/07/25 10:07
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:05

Client Sample ID: AG36929
Date Collected: 07/07/25 10:12
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:16

Client Sample ID: AG36921
Date Collected: 07/07/25 15:20
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:20

Client Sample ID: AG36922
Date Collected: 07/07/25 15:25
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:24

Client Sample ID: AG36931
Date Collected: 07/07/25 15:25
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:28

Client Sample ID: AG36901
Date Collected: 07/07/25 11:37
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:32

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/jm02.08.g01.1/36500

Job ID: 705-36875-1

Client Sample ID: AG36910
Date Collected: 07/07/25 13:28
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:47

Client Sample ID: AG36906
Date Collected: 07/07/25 12:30
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:51

Client Sample ID: AG36896
Date Collected: 07/08/25 11:14
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:55

Client Sample ID: AG36899
Date Collected: 07/08/25 09:25
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 19:59

Client Sample ID: AG36892
Date Collected: 07/08/25 13:40
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 20:03

Client Sample ID: AG36909
Date Collected: 07/08/25 14:34
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 20:07

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/jm02.08.g01.1/36500

Job ID: 705-36875-1

Client Sample ID: AG36900

Date Collected: 07/08/25 12:22
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36875-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70066	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70195	GR	EET ATL	07/24/25 20:11

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Contract Lab Info: EUROFINS -ATL Contract Lab Due Date (Lab Only): 7 / 22 / 25 Send report to lcwillio@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA. WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.1 / 36500

Rerun request for any flagged C (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	Hg			
AG36897	WAP-19	7/7/25	1007	AGP EA	1	P	G	GW	2	7470 RL<0.2 ug/L	X			
AG36929	WAP-19F	〃	1012	〃	〃	〃	〃	〃	〃		〃			
AG36921	WLF-A2-6	〃	1520	〃	〃	〃	〃	〃	〃					
AG36922	WLF-A2-6: DUP	〃	1525	〃	〃	〃	〃	〃	〃					
AG36931	WLF-A2-6F	〃	1525	〃	〃	〃	〃	〃	〃					
AG36901	WAP-23	〃	1137	〃	〃	〃	〃	〃	〃					
AG36910	WAP-30	〃	1328	〃	〃	〃	〃	〃	〃					
AG36906	WAP-27	7/7/25	1230	〃	〃	〃	〃	〃	〃		〃			

705-36875 COC

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

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S Levy	35694	FED-EX	—	7/14/25	1000
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
		[signature]		07/16/25	945
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): 25.5

Initials: #2665

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: EUROFINS-ATL Contract Lab Due Date (Lab Only): 7 / 22 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA.WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged (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	Hg			
AG36896	WAP-18	7/8/25	1114	AGP EA	1	P	G	GW	2	7470 RL < 0.2 mg/L	X			
AG36899	WAP-21	"	0925	"	"	"	"	"	"		"			
AG36892	WAP-15	"	1340	"	"	"	"	"	"		"			
AG36909	WAP-29	"	1434	"	"	"	"	"	"		"			
AG36900	WAP-22	"	1222	"	"	"	"	"	"		"			

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

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

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI

Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

Oil
- ☐ Trans. Oil Quality
  - ☐ %Moisture
  - ☐ Color
  - ☐ [redacted]
  - ☐ Dielectric Strength
  - ☐ IFT
  - ☐ Dissolved Gases
- ☐ Used Oil
  - ☐ Flashpoint
  - ☐ Metals (As, Cd, [redacted] Ni, Pb, [redacted]
- ☐ GOFER

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy	35594	FED-EX	—	7/14/25	1000
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
		[signature]		07/16/25	945
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): 25.5

Initials: #2665

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Contract Lab Info: EUROFINS -ATL Contract Lab Due Date (Lab Only): 7 / 22 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

7/25/2025

Customer Email/Report Recipient: LINDA. WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.1 / 36500

Rerun request for any flagged C (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	Hg			
AG36897	WAP-19	7/7/25	1007	AGP EA	1	P	G	GW	2	7470 RL<0.2 ug/L	X			
AG36929	WAP-19F	"	1012	"	"	"	"	"	"		"			
AG36921	WLF-A2-6	"	1520	"	"	"	"	"	"		"			
AG36922	WLF-A2-6: DUP	"	1525	"	"	"	"	"	"		"			
AG36931	WLF-A2-6F	"	1525	"	"	"	"	"	"		"			
AG36901	WAP-23	"	1137	"	"	"	"	"	"		"			
AG36910	WAP-30	"	1328	"	"	"	"	"	"		"			
AG36906	WAP-27	7/7/25	1230	"	"	"	"	"	"		"			

705-36875 COC

Gypsum
- ☐ Wallboard
- ☐ AIM
- ☐ TOC
- ☐ Total metals
- ☐ Soluble Metals
- ☐ Purity (CaSO4)
- ☐ % Moisture
- ☐ Sulfites
- ☐ pH
- ☐ Chloride
- ☐ Particle Size
- ☐ Sulfur
- ☐ USDA

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI

Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

Oil
- ☐ Trans. Oil Quality
- ☐ %Moisture
- ☐ [redacted]
- ☐ IFT
- ☐ Dissolved Gases
- ☐ Used Oil
- ☐ Flashpoint
- ☐ Metals (As, Cd, Cr, Ni, Pb, Hg)
- ☐ GOFER

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S Levy	35694	FED-EX	—	7/14/25	1000
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
		[signature]		07/16/25	945
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): 25.5

Initials: #2665

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Contract Lab Info: EUROFINS-ATL Contract Lab Due Date (Lab Only): 7 / 22 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

7/25/2025

Chain of Custody

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

Customer Email/Report Recipient: LINDA. WILLIAMS @santeecooper.com

Date Results Needed by: * ___/___/___

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

Rerun request for any flagged (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	Hg			
AG36896	WAP-18	7/8/25	1114	AGP EA	1	P	G	GW	2	7470 RL < 0.2 mg/L	X			
AG36899	WAP-21	"	0925	"	"	"	"	"	"		"			
AG36892	WAP-15	"	1340	"	"	"	"	"	"		"			
AG36909	WAP-29	"	1434	"	"	"	"	"	"		"			
AG36900	WAP-22	"	1222	"	"	"	"	"	"		"			

Page 19 of 22

Nutrients	Gypsum	Coal	Flyash	Oil	MISC.	Metals (All)
☐ TOC ☐ DOC ☐ TP/TPO4 ☐ NH3-N ☐ Cl ☐ NO2 ☐ Br ☐ NO3 ☐ SO4	☒ Wallboard ☐ ~~BM~~ ☐ TOC ☐ Total metals ☐ Purity (CaSO4) ☐ % Moisture ☐ ~~Sulfur~~ ☐ pH ☐ Chlorides ☒ Particle Size ☐ Sulfur ☐ USDA	☐ Short Prox. ☐ % Moisture ☐ Ash ☐ Sulfur ☐ BTUs Ultimate ☐ Volatile Matter ☐ CHN ☐ HGI Other Analysis: ☐ Fineness ☐ Particulate Matter	☐ Ammonia ☐ LOI ☐ % Carbon ☐ Mineral Analysis ☐ Sieve ☐ % Moisture NPDES ☐ Oil & Grease ☐ As ☐ TSS	☐ Trans. Oil Quality ☐ %Moisture ☐ Color ☐ Dissolved Gases ☐ Used Oil ☐ Flashpoint ☐ Metals (As, Cd, Cr, Ni, Pb, Hg) ☐ GOFER	☐ BTEX ☐ Naphthalene ☐ VOA/Semi ☐ Oil & Grease ☐ E. Coli ☐ Total Coliform ☐ pH ☐ Dissolved As ☐ Dissolved Fe ☐ Rad 226 ☐ Rad 228 ☐ PCB	☐ Ag ☐ Al ☐ As ☐ B ☐ Ba ☐ Be ☐ Cd ☐ Co ☐ Cr ☐ Fe ☐ K ☐ Li ☐ Mg ☐ Mn ☐ Mo ☐ Na ☐ Ni ☐ Pb ☐ Sb ☐ Se ☐ Sn ☐ Sr ☐ Ti ☐ Tl ☐ V ☐ Zn ☐ Hg ☐ ~~VOC~~ ☐ XRF scan ☐ RCRA (As, Ba, Cr, Cd, Pb, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy	35594	FED-EX	—	7/14/25	1000
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
		[signature]		07/16/25	945
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): 25.5

Initials: #26665

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 705-36875-1

Login Number: 36875
List Number: 1
Creator: Taylor, Renee

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	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	
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	
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	
Samples do not require splitting or compositing.	True	
Were samples preserved to correct pH upon receipt, if applicable?	True	
Container provided by EEA	True	

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 705-36875-1
Project/Site: 125915/jm02.08.g01.1/36500

Laboratory: Eurofins Atlanta

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

Authority	Program	Identification Number	Expiration Date
AIHA LAP, LLC	Environmental Lead Laboratory Accreditation Program (ELLAP)	LAP-100671	11-01-25
AIHA LAP, LLC	Industrial Hygiene Laboratory Accreditation Program (IHLAP)	LAP-100671	11-01-25
Florida	NELAP	E87582	06-30-26
Georgia	State	E87582	06-30-26
Georgia (DW)	State	800	04-25-26
Kentucky (UST)	State	123046	06-30-26
North Carolina (WW/SW)	State	562	12-31-25
South Carolina	State	98016	06-30-26
USDA	US Federal Programs	525-23-143-96227A1	05-24-26

END OF REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/28/2025 2:35:30 PM

JOB DESCRIPTION

125915/JM02.09.G01.1/36500

JOB NUMBER

705-36880-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

my EOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
7/28/2025 2:35:30 PM

Authorized for release by
Tiffany Heifferon, Project Manager I
Tiffany.Heifferon@et.eurofinsus.com
(770)457-8177

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 6
Method Summary 7
Definitions 8
Client Sample Results 9
QC Association 11
QC Sample Results 12
Chronicle 13
Chain of Custody 15
Receipt Checklists 16
Certification Summary 17
End Of Report 18

Job ID: 705-36880-1 — Eurofins Atlanta

Job Narrative
705-36880-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/16/2025 9:45 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 25.5°C.

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

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-36880-1

Client Sample ID: AG36887 — Lab Sample ID: 705-36880-1

No Detections.

Client Sample ID: AG36888 — Lab Sample ID: 705-36880-2

No Detections.

Client Sample ID: AG36893 — Lab Sample ID: 705-36880-3

No Detections.

Client Sample ID: AG36889 — Lab Sample ID: 705-36880-4

No Detections.

Client Sample ID: AG36891 — Lab Sample ID: 705-36880-5

No Detections.

Client Sample ID: AG36904 — Lab Sample ID: 705-36880-6

No Detections.

Client Sample ID: AG36905 — Lab Sample ID: 705-36880-7

No Detections.

Client Sample ID: AG36919 — Lab Sample ID: 705-36880-8

No Detections.

Client Sample ID: AG36920 — Lab Sample ID: 705-36880-9

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-36880-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
705-36880-1	AG36887	Water	07/09/25 12:18	07/16/25 09:45
705-36880-2	AG36888	Water	07/09/25 12:23	07/16/25 09:45
705-36880-3	AG36893	Water	07/09/25 14:27	07/16/25 09:45
705-36880-4	AG36889	Water	07/09/25 11:30	07/16/25 09:45
705-36880-5	AG36891	Water	07/09/25 13:19	07/16/25 09:45
705-36880-6	AG36904	Water	07/09/25 15:50	07/16/25 09:45
705-36880-7	AG36905	Water	07/09/25 15:55	07/16/25 09:45
705-36880-8	AG36919	Water	07/09/25 09:42	07/16/25 09:45
705-36880-9	AG36920	Water	07/09/25 10:28	07/16/25 09:45

Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-36880-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	EET ATL
7470A	Preparation, Mercury	SW846	EET ATL

Protocol References:

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

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Definitions/Glossary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-36880-1

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

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-36880-1

Client Sample ID: AG36887
Lab Sample ID: 705-36880-1
Date Collected: 07/09/25 12:18
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/24/25 13:24	07/24/25 20:23	1

Client Sample ID: AG36888
Lab Sample ID: 705-36880-2
Date Collected: 07/09/25 12:23
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/24/25 13:24	07/24/25 20:46	1

Client Sample ID: AG36893
Lab Sample ID: 705-36880-3
Date Collected: 07/09/25 14:27
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/24/25 13:24	07/24/25 20:50	1

Client Sample ID: AG36889
Lab Sample ID: 705-36880-4
Date Collected: 07/09/25 11:30
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/24/25 13:24	07/24/25 20:54	1

Client Sample ID: AG36891
Lab Sample ID: 705-36880-5
Date Collected: 07/09/25 13:19
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/24/25 13:24	07/24/25 20:58	1

Client Sample ID: AG36904
Lab Sample ID: 705-36880-6
Date Collected: 07/09/25 15:50
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/25/25 13:16	07/25/25 18:00	1

Client Sample ID: AG36905
Lab Sample ID: 705-36880-7
Date Collected: 07/09/25 15:55
Matrix: Water
Date Received: 07/16/25 09:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/25/25 13:16	07/25/25 18:04	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-36880-1

Client Sample ID: AG36919

Lab Sample ID: 705-36880-8

Date Collected: 07/09/25 09:42
Date Received: 07/16/25 09:45

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/25/25 13:16	07/25/25 18:08	1

Client Sample ID: AG36920

Lab Sample ID: 705-36880-9

Date Collected: 07/09/25 10:28
Date Received: 07/16/25 09:45

Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/25/25 13:16	07/25/25 18:12	1

Metals

Prep Batch: 70067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36880-1	AG36887	Total/NA	Water	7470A	
705-36880-2	AG36888	Total/NA	Water	7470A	
705-36880-3	AG36893	Total/NA	Water	7470A	
705-36880-4	AG36889	Total/NA	Water	7470A	
705-36880-5	AG36891	Total/NA	Water	7470A	
MB 705-70067/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-70067/2-A	Lab Control Sample	Total/NA	Water	7470A	
705-36880-1 MS	AG36887	Total/NA	Water	7470A	
705-36880-1 MSD	AG36887	Total/NA	Water	7470A	

Analysis Batch: 70196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36880-1	AG36887	Total/NA	Water	7470A	70067
705-36880-2	AG36888	Total/NA	Water	7470A	70067
705-36880-3	AG36893	Total/NA	Water	7470A	70067
705-36880-4	AG36889	Total/NA	Water	7470A	70067
705-36880-5	AG36891	Total/NA	Water	7470A	70067
MB 705-70067/1-A	Method Blank	Total/NA	Water	7470A	70067
LCS 705-70067/2-A	Lab Control Sample	Total/NA	Water	7470A	70067
705-36880-1 MS	AG36887	Total/NA	Water	7470A	70067
705-36880-1 MSD	AG36887	Total/NA	Water	7470A	70067

Prep Batch: 70360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36880-6	AG36904	Total/NA	Water	7470A	
705-36880-7	AG36905	Total/NA	Water	7470A	
705-36880-8	AG36919	Total/NA	Water	7470A	
705-36880-9	AG36920	Total/NA	Water	7470A	
MB 705-70360/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-70360/2-A	Lab Control Sample	Total/NA	Water	7470A	
705-37275-A-2-E MS	Matrix Spike	Total/NA	Water	7470A	
705-37275-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 70685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-36880-6	AG36904	Total/NA	Water	7470A	70360
705-36880-7	AG36905	Total/NA	Water	7470A	70360
705-36880-8	AG36919	Total/NA	Water	7470A	70360
705-36880-9	AG36920	Total/NA	Water	7470A	70360
MB 705-70360/1-A	Method Blank	Total/NA	Water	7470A	70360
LCS 705-70360/2-A	Lab Control Sample	Total/NA	Water	7470A	70360
705-37275-A-2-E MS	Matrix Spike	Total/NA	Water	7470A	70360
705-37275-A-2-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	70360

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-70067/1-A
Matrix: Water
Analysis Batch: 70196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70067

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/24/25 13:24	07/24/25 20:15	1

Lab Sample ID: LCS 705-70067/2-A
Matrix: Water
Analysis Batch: 70196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70067

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00400	0.004056		mg/L		101	80 - 120

Lab Sample ID: 705-36880-1 MS
Matrix: Water
Analysis Batch: 70196

Client Sample ID: AG36887
Prep Type: Total/NA
Prep Batch: 70067

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000200	U	0.00400	0.004004		mg/L		100	75 - 125

Lab Sample ID: 705-36880-1 MSD
Matrix: Water
Analysis Batch: 70196

Client Sample ID: AG36887
Prep Type: Total/NA
Prep Batch: 70067

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000200	U	0.00400	0.004000		mg/L		100	75 - 125	0	20

Lab Sample ID: MB 705-70360/1-A
Matrix: Water
Analysis Batch: 70685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/25/25 13:16	07/25/25 17:25	1

Lab Sample ID: LCS 705-70360/2-A
Matrix: Water
Analysis Batch: 70685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00400	0.003962		mg/L		99	80 - 120

Lab Sample ID: 705-37275-A-2-E MS
Matrix: Water
Analysis Batch: 70685

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 70360

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000200	U	0.00400	0.003940		mg/L		99	75 - 125

Lab Sample ID: 705-37275-A-2-F MSD
Matrix: Water
Analysis Batch: 70685

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 70360

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000200	U	0.00400	0.003921		mg/L		98	75 - 125	0	20

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-36880-1

Client Sample ID: AG36887
Date Collected: 07/09/25 12:18
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70067	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70196	GR	EET ATL	07/24/25 20:23

Client Sample ID: AG36888
Date Collected: 07/09/25 12:23
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70067	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70196	GR	EET ATL	07/24/25 20:46

Client Sample ID: AG36893
Date Collected: 07/09/25 14:27
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70067	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70196	GR	EET ATL	07/24/25 20:50

Client Sample ID: AG36889
Date Collected: 07/09/25 11:30
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70067	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70196	GR	EET ATL	07/24/25 20:54

Client Sample ID: AG36891
Date Collected: 07/09/25 13:19
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70067	GR	EET ATL	07/24/25 13:24
Total/NA	Analysis	7470A		1	70196	GR	EET ATL	07/24/25 20:58

Client Sample ID: AG36904
Date Collected: 07/09/25 15:50
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70360	GR	EET ATL	07/25/25 13:16
Total/NA	Analysis	7470A		1	70685	GR	EET ATL	07/25/25 18:00

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-36880-1

Client Sample ID: AG36905

Date Collected: 07/09/25 15:55
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70360	GR	EET ATL	07/25/25 13:16
Total/NA	Analysis	7470A		1	70685	GR	EET ATL	07/25/25 18:04

Client Sample ID: AG36919

Date Collected: 07/09/25 09:42
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70360	GR	EET ATL	07/25/25 13:16
Total/NA	Analysis	7470A		1	70685	GR	EET ATL	07/25/25 18:08

Client Sample ID: AG36920

Date Collected: 07/09/25 10:28
Date Received: 07/16/25 09:45

Lab Sample ID: 705-36880-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			70360	GR	EET ATL	07/25/25 13:16
Total/NA	Analysis	7470A		1	70685	GR	EET ATL	07/25/25 18:12

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Contract Lab Info: EUROFINS-ATL Contract Lab Due Date (Lab Only): 7 / 22 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

7/28/2025

Customer Email/Report Recipient: LINDA.WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged ((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: HG
AG36887	WAP-14	7/9/25	1218	AGP EA	1	P	G	GW	2	7470 RL < 0.2 mg/L	X
88	WAP-14 DUP		1223								
93	WAP-16		1427								
AG36889	WAP-14A		1130								
91	WAP-14C		1319								
904	WAP-26		1550								
05	WAP-26 DUP		1555								
AG36919	WLF-A2-1		0942								
20	WLF-A2-2		1028								

705-36880 COC

Page 15 of 18

Nutrients
- ☐ TOC
- ☐ DOC
- ☐ [redacted]
- ☐ NH3-N
- ☐ F
- ☐ Cl
- ☐ NO2
- ☐ Br
- ☐ NO3
- ☐ SO4

Gypsum
- ☐ Wallboard
- ☐ AIM
- ☐ TOC
- ☐ Total metals
- ☐ Soluble Metals
- ☐ Purity (CaSO4)
- ☐ % Moisture
- ☐ Sulfites
- ☐ pH
- ☐ Chlorides
- ☐ [redacted]
- ☐ Sulfur
- ☐ USDA

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI

Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

Oil
- ☐ Trans. Oil Quality
  - ☐ %Moisture
  - ☐ Color
  - ☐ Acidity
  - ☐ Dielectric Strength
  - ☐ IFT
  - ☐ Dissolved Gases
- ☐ [redacted] Oil
  - ☐ Flashpoint
  - ☐ Metals (As, Cd, Br, Ni, Pb, Hg)
- ☐ GOFER

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy		FED-EX	—	7/14/25	1000
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
		[signature]		07/16/25	0945
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): 25.5

Initials: # 26005

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 705-36880-1

Login Number: 36880
List Number: 1
Creator: Taylor, Renee

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does 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 present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 705-36880-1
Project/Site: 125915/JM02.09.G01.1/36500

Laboratory: Eurofins Atlanta

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26
South Carolina	State	98016	06-30-26

END OF REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/1/2025 4:22:28 PM

JOB DESCRIPTION

125915/JM02.09.G01.1/36500

JOB NUMBER

705-37622-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
8/1/2025 4:22:28 PM

Authorized for release by
Tiffany Heifferon, Project Manager I
Tiffany.Heifferon@et.eurofinsus.com
(770)457-8177

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 6
Method Summary 7
Definitions 8
Client Sample Results 9
QC Association 11
QC Sample Results 12
Chronicle 13
Chain of Custody 15
Receipt Checklists 16
Certification Summary 17
End Of Report 18

Job ID: 705-37622-1 — Eurofins Atlanta

Job Narrative
705-37622-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/23/2025 9:45 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 0.0°C.

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

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-37622-1

Client Sample ID: AG36886 — Lab Sample ID: 705-37622-1

No Detections.

Client Sample ID: AG36907 — Lab Sample ID: 705-37622-2

No Detections.

Client Sample ID: AG36908 — Lab Sample ID: 705-37622-3

No Detections.

Client Sample ID: AG36894 — Lab Sample ID: 705-37622-4

No Detections.

Client Sample ID: AG36895 — Lab Sample ID: 705-37622-5

No Detections.

Client Sample ID: AG36884 — Lab Sample ID: 705-37622-6

No Detections.

Client Sample ID: AG36885 — Lab Sample ID: 705-37622-7

No Detections.

Client Sample ID: AG36903 — Lab Sample ID: 705-37622-8

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-37622-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
705-37622-1	AG36886	Water	07/14/25 10:18	07/23/25 09:45
705-37622-2	AG36907	Water	07/14/25 11:34	07/23/25 09:45
705-37622-3	AG36908	Water	07/14/25 12:31	07/23/25 09:45
705-37622-4	AG36894	Water	07/14/25 13:48	07/23/25 09:45
705-37622-5	AG36895	Water	07/14/25 13:53	07/23/25 09:45
705-37622-6	AG36884	Water	07/10/25 13:39	07/23/25 09:45
705-37622-7	AG36885	Water	07/10/25 13:44	07/23/25 09:45
705-37622-8	AG36903	Water	07/10/25 10:13	07/23/25 09:45

Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-37622-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	EET ATL
7470A	Preparation, Mercury	SW846	EET ATL

Protocol References:

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

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Definitions/Glossary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-37622-1

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

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-37622-1

Client Sample ID: AG36886
Date Collected: 07/14/25 10:18
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-1
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 18:13	1

Client Sample ID: AG36907
Date Collected: 07/14/25 11:34
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-2
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 18:17	1

Client Sample ID: AG36908
Date Collected: 07/14/25 12:31
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-3
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 18:21	1

Client Sample ID: AG36894
Date Collected: 07/14/25 13:48
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-4
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 18:24	1

Client Sample ID: AG36895
Date Collected: 07/14/25 13:53
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-5
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 18:28	1

Client Sample ID: AG36884
Date Collected: 07/10/25 13:39
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-6
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 18:44	1

Client Sample ID: AG36885
Date Collected: 07/10/25 13:44
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-7
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 18:48	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-37622-1

Client Sample ID: AG36903
Date Collected: 07/10/25 10:13
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-8
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 18:52	1

Metals

Prep Batch: 71691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37622-1	AG36886	Total/NA	Water	7470A	
705-37622-2	AG36907	Total/NA	Water	7470A	
705-37622-3	AG36908	Total/NA	Water	7470A	
705-37622-4	AG36894	Total/NA	Water	7470A	
705-37622-5	AG36895	Total/NA	Water	7470A	
705-37622-6	AG36884	Total/NA	Water	7470A	
705-37622-7	AG36885	Total/NA	Water	7470A	
705-37622-8	AG36903	Total/NA	Water	7470A	
MB 705-71691/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-71691/2-A	Lab Control Sample	Total/NA	Water	7470A	
705-37577-F-7-D MS	Matrix Spike	Total/NA	Water	7470A	
705-37577-F-7-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 71787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37622-1	AG36886	Total/NA	Water	7470A	71691
705-37622-2	AG36907	Total/NA	Water	7470A	71691
705-37622-3	AG36908	Total/NA	Water	7470A	71691
705-37622-4	AG36894	Total/NA	Water	7470A	71691
705-37622-5	AG36895	Total/NA	Water	7470A	71691
705-37622-6	AG36884	Total/NA	Water	7470A	71691
705-37622-7	AG36885	Total/NA	Water	7470A	71691
705-37622-8	AG36903	Total/NA	Water	7470A	71691
MB 705-71691/1-A	Method Blank	Total/NA	Water	7470A	71691
LCS 705-71691/2-A	Lab Control Sample	Total/NA	Water	7470A	71691
705-37577-F-7-D MS	Matrix Spike	Total/NA	Water	7470A	71691
705-37577-F-7-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	71691

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-71691/1-A
Matrix: Water
Analysis Batch: 71787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 71691

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/31/25 14:35	07/31/25 17:53	1

Lab Sample ID: LCS 705-71691/2-A
Matrix: Water
Analysis Batch: 71787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 71691

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00400	0.003784		mg/L		95	80 - 120		

Lab Sample ID: 705-37577-F-7-D MS
Matrix: Water
Analysis Batch: 71787

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 71691

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.000200	U	0.00400	0.004110		mg/L		103	75 - 125		

Lab Sample ID: 705-37577-F-7-E MSD
Matrix: Water
Analysis Batch: 71787

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 71691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000200	U	0.00400	0.003989		mg/L		100	75 - 125	3	20

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-37622-1

Client Sample ID: AG36886
Date Collected: 07/14/25 10:18
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			71691	GR	EET ATL	07/31/25 14:35
Total/NA	Analysis	7470A		1	71787	GR	EET ATL	07/31/25 18:13

Client Sample ID: AG36907
Date Collected: 07/14/25 11:34
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			71691	GR	EET ATL	07/31/25 14:35
Total/NA	Analysis	7470A		1	71787	GR	EET ATL	07/31/25 18:17

Client Sample ID: AG36908
Date Collected: 07/14/25 12:31
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			71691	GR	EET ATL	07/31/25 14:35
Total/NA	Analysis	7470A		1	71787	GR	EET ATL	07/31/25 18:21

Client Sample ID: AG36894
Date Collected: 07/14/25 13:48
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			71691	GR	EET ATL	07/31/25 14:35
Total/NA	Analysis	7470A		1	71787	GR	EET ATL	07/31/25 18:24

Client Sample ID: AG36895
Date Collected: 07/14/25 13:53
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			71691	GR	EET ATL	07/31/25 14:35
Total/NA	Analysis	7470A		1	71787	GR	EET ATL	07/31/25 18:28

Client Sample ID: AG36884
Date Collected: 07/10/25 13:39
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			71691	GR	EET ATL	07/31/25 14:35
Total/NA	Analysis	7470A		1	71787	GR	EET ATL	07/31/25 18:44

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 705-37622-1

Client Sample ID: AG36885

Date Collected: 07/10/25 13:44
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			71691	GR	EET ATL	07/31/25 14:35
Total/NA	Analysis	7470A		1	71787	GR	EET ATL	07/31/25 18:48

Client Sample ID: AG36903

Date Collected: 07/10/25 10:13
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37622-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			71691	GR	EET ATL	07/31/25 14:35
Total/NA	Analysis	7470A		1	71787	GR	EET ATL	07/31/25 18:52

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Contract Lab Info: EUROFINS-ATL Contract Lab Due Date (Lab Only): 7 / 31 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

HG

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

Customer Email/Report Recipient: LINDA.WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged C 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	HG
AG36886	WAP-13	7/14/25	1018	ATH EA	1	P	G	GW	2	7470 RL 0.2 ug/L	X
AG36907	WAP-28	"	1134	"	"	"	"	"	"		
AG36908	WAP-28R	"	1231	"	"	"	"	"	"		
AG36894	WAP-17	"	1348	"	"	"	"	"	"		
AG36895	WAP-17 DUP	"	1353	"	"	"	"	"	"		
AG36884	WAP-12	7/10/25	1339	AGP EA	"	"	"	"	"		
AG36885	WAP-12 DUP	"	1344	"	"	"	"	"	"		
AG36903	WAP-25	"	1013	"	"	"	"	"	"		

705-37622 COC

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

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy	35594	FED-EX	—	7/22/25	0830
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
		VM		7/23/25	0945
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 705-37622-1

Login Number: 37622
List Number: 1
Creator: Myndresku, Victor

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 705-37622-1
Project/Site: 125915/JM02.09.G01.1/36500

Laboratory: Eurofins Atlanta

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26
South Carolina	State	98016	06-30-26

END OF REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/14/2025 11:24:08 AM

JOB DESCRIPTION

Santee Cooper

JOB NUMBER

705-35290-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
7/14/2025 11:24:08 AM

Authorized for release by
Tiffany Heifferon, Project Manager I
Tiffany.Heifferon@et.eurofinsus.com
(770)457-8177

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 6
Method Summary 7
Definitions 8
Client Sample Results 9
QC Association 11
QC Sample Results 12
Chronicle 13
Chain of Custody 15
Receipt Checklists 16
Certification Summary 17
End Of Report 18

Job ID: 705-35290-1 — Eurofins Atlanta

Job Narrative
705-35290-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/1/2025 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

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

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35290-1

Client Sample ID: WAP-24 **Lab Sample ID: 705-35290-1**

No Detections.

Client Sample ID: WAP-2 **Lab Sample ID: 705-35290-2**

No Detections.

Client Sample ID: WAP-2F **Lab Sample ID: 705-35290-3**

No Detections.

Client Sample ID: WAP-2R **Lab Sample ID: 705-35290-4**

No Detections.

Client Sample ID: WBW-1 **Lab Sample ID: 705-35290-5**

No Detections.

Client Sample ID: WAP-1 **Lab Sample ID: 705-35290-6**

No Detections.

Client Sample ID: WAP-7 **Lab Sample ID: 705-35290-7**

No Detections.

Client Sample ID: WLF-AI-2 **Lab Sample ID: 705-35290-8**

No Detections.

Client Sample ID: WLF-AI-2F **Lab Sample ID: 705-35290-9**

No Detections.

Client Sample ID: WLF-AI-1 **Lab Sample ID: 705-35290-10**

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35290-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
705-35290-1	WAP-24	Groundwater	06/26/25 12:09	07/01/25 10:45
705-35290-2	WAP-2	Groundwater	06/25/25 14:22	07/01/25 10:45
705-35290-3	WAP-2F	Groundwater	06/25/25 14:27	07/01/25 10:45
705-35290-4	WAP-2R	Groundwater	06/25/25 15:11	07/01/25 10:45
705-35290-5	WBW-1	Groundwater	06/25/25 09:47	07/01/25 10:45
705-35290-6	WAP-1	Groundwater	06/25/25 10:46	07/01/25 10:45
705-35290-7	WAP-7	Groundwater	06/25/25 12:15	07/01/25 10:45
705-35290-8	WLF-AI-2	Groundwater	06/25/25 13:23	07/01/25 10:45
705-35290-9	WLF-AI-2F	Groundwater	06/25/25 13:28	07/01/25 10:45
705-35290-10	WLF-AI-1	Groundwater	06/23/25 15:28	07/01/25 10:45

Method Summary

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35290-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	EET ATL
7470A	Preparation, Mercury	SW846	EET ATL

Protocol References:

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

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35290-1

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

Client Sample ID: WAP-24 — **Lab Sample ID: 705-35290-1**
Date Collected: 06/26/25 12:09 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:12	1

Client Sample ID: WAP-2 — **Lab Sample ID: 705-35290-2**
Date Collected: 06/25/25 14:22 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:16	1

Client Sample ID: WAP-2F — **Lab Sample ID: 705-35290-3**
Date Collected: 06/25/25 14:27 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:20	1

Client Sample ID: WAP-2R — **Lab Sample ID: 705-35290-4**
Date Collected: 06/25/25 15:11 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:24	1

Client Sample ID: WBW-1 — **Lab Sample ID: 705-35290-5**
Date Collected: 06/25/25 09:47 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:28	1

Client Sample ID: WAP-1 — **Lab Sample ID: 705-35290-6**
Date Collected: 06/25/25 10:46 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:44	1

Client Sample ID: WAP-7 — **Lab Sample ID: 705-35290-7**
Date Collected: 06/25/25 12:15 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:47	1

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35290-1

Client Sample ID: WLF-AI-2
Date Collected: 06/25/25 13:23
Date Received: 07/01/25 10:45

Lab Sample ID: 705-35290-8
Matrix: Groundwater

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:51	1

Client Sample ID: WLF-AI-2F
Date Collected: 06/25/25 13:28
Date Received: 07/01/25 10:45

Lab Sample ID: 705-35290-9
Matrix: Groundwater

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:55	1

Client Sample ID: WLF-AI-1
Date Collected: 06/23/25 15:28
Date Received: 07/01/25 10:45

Lab Sample ID: 705-35290-10
Matrix: Groundwater

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 21:59	1

Metals

Prep Batch: 67298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35290-1	WAP-24	Total/NA	Groundwater	7470A	
705-35290-2	WAP-2	Total/NA	Groundwater	7470A	
705-35290-3	WAP-2F	Total/NA	Groundwater	7470A	
705-35290-4	WAP-2R	Total/NA	Groundwater	7470A	
705-35290-5	WBW-1	Total/NA	Groundwater	7470A	
705-35290-6	WAP-1	Total/NA	Groundwater	7470A	
705-35290-7	WAP-7	Total/NA	Groundwater	7470A	
705-35290-8	WLF-AI-2	Total/NA	Groundwater	7470A	
705-35290-9	WLF-AI-2F	Total/NA	Groundwater	7470A	
705-35290-10	WLF-AI-1	Total/NA	Groundwater	7470A	
MB 705-67298/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-67298/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-264973-F-4-G MS	Matrix Spike	Total/NA	Water	7470A	
680-264973-F-4-H MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 67310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35290-1	WAP-24	Total/NA	Groundwater	7470A	67298
705-35290-2	WAP-2	Total/NA	Groundwater	7470A	67298
705-35290-3	WAP-2F	Total/NA	Groundwater	7470A	67298
705-35290-4	WAP-2R	Total/NA	Groundwater	7470A	67298
705-35290-5	WBW-1	Total/NA	Groundwater	7470A	67298
705-35290-6	WAP-1	Total/NA	Groundwater	7470A	67298
705-35290-7	WAP-7	Total/NA	Groundwater	7470A	67298
705-35290-8	WLF-AI-2	Total/NA	Groundwater	7470A	67298
705-35290-9	WLF-AI-2F	Total/NA	Groundwater	7470A	67298
705-35290-10	WLF-AI-1	Total/NA	Groundwater	7470A	67298
MB 705-67298/1-A	Method Blank	Total/NA	Water	7470A	67298
LCS 705-67298/2-A	Lab Control Sample	Total/NA	Water	7470A	67298
680-264973-F-4-G MS	Matrix Spike	Total/NA	Water	7470A	67298
680-264973-F-4-H MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	67298

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-67298/1-A
Matrix: Water
Analysis Batch: 67310

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/11/25 14:45	07/11/25 20:26	1

Lab Sample ID: LCS 705-67298/2-A
Matrix: Water
Analysis Batch: 67310

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67298

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00400	0.004278		mg/L		107	80 - 120		

Lab Sample ID: 680-264973-F-4-G MS
Matrix: Water
Analysis Batch: 67310

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.000200	U	0.00400	0.004245		mg/L		106	75 - 125		

Lab Sample ID: 680-264973-F-4-H MSD
Matrix: Water
Analysis Batch: 67310

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67298

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000200	U	0.00400	0.004254		mg/L		106	75 - 125	0	20

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35290-1

Client Sample ID: WAP-24
Lab Sample ID: 705-35290-1
Date Collected: 06/26/25 12:09
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:12

Client Sample ID: WAP-2
Lab Sample ID: 705-35290-2
Date Collected: 06/25/25 14:22
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:16

Client Sample ID: WAP-2F
Lab Sample ID: 705-35290-3
Date Collected: 06/25/25 14:27
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:20

Client Sample ID: WAP-2R
Lab Sample ID: 705-35290-4
Date Collected: 06/25/25 15:11
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:24

Client Sample ID: WBW-1
Lab Sample ID: 705-35290-5
Date Collected: 06/25/25 09:47
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:28

Client Sample ID: WAP-1
Lab Sample ID: 705-35290-6
Date Collected: 06/25/25 10:46
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:44

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35290-1

Client Sample ID: WAP-7

Lab Sample ID: 705-35290-7

Date Collected: 06/25/25 12:15
Date Received: 07/01/25 10:45

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:47

Client Sample ID: WLF-AI-2

Lab Sample ID: 705-35290-8

Date Collected: 06/25/25 13:23
Date Received: 07/01/25 10:45

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:51

Client Sample ID: WLF-AI-2F

Lab Sample ID: 705-35290-9

Date Collected: 06/25/25 13:28
Date Received: 07/01/25 10:45

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:55

Client Sample ID: WLF-AI-1

Lab Sample ID: 705-35290-10

Date Collected: 06/23/25 15:28
Date Received: 07/01/25 10:45

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67298	TA	EET ATL	07/11/25 14:45
Total/NA	Analysis	7470A		1	67310	GR	EET ATL	07/11/25 21:59

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Contract Lab Info. EUROFINS-ATL Contract Lab Due Date (Lab Only) 7 / 9 / 25 Send report to lcwillia@sante…m & sherri.levy@santeecooper.com

Chain of Custody

705 35290 COC

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

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.GP1.1 / 36500

Rerun request for any flagged O (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	Hg			
AG36902	WAP-24	6/26/25	1209	AGP EB	1	P	G	GW	2	7470 RL<0.2 ug/L	X			
AG36872	WAP-2	6/25/25	1422											
AG36928	WAP-2F		1427											
AG36873	WAP-2R		1511											
AG36911	WBW-1		0947											
AG36871	WAP-1		1046											
AG36878	WAP-7		1215											
AG36914	WLF-AI-2	6/25/25	1323											
AG36930	WLF-AI-2F		1328											
AG36912	WBW-AI-1	6/23/25	1528											

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

Gypsum
- Wallboard
- ASM
- TOC
- Total metals
- Soluble Metals
- Purity (CaSO4)
- % Moisture
- Sulfites
- pH
- Chlorides
- Particle Size
- Sulfur
- USDA

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI

Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

Oil
- Used Oil
- GOULD

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

☐ Metals (All)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S Levy	35594	FED-EX	—	6/30/25	1300
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
				07/01/25	1045
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 705-35290-1

Login Number: 35290
List Number: 1
Creator: Taylor, Renee

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does 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 present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 705-35290-1
Project/Site: Santee Cooper

Laboratory: Eurofins Atlanta

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26
South Carolina	State	98016	06-30-26

END OF REPORT

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/16/2025 1:45:04 PM

JOB DESCRIPTION

Santee Cooper

JOB NUMBER

705-35289-1

Eurofins Atlanta
3080 Presidential Dr
Atlanta GA 30340

See page two for job notes and contact information.

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
7/16/2025 1:45:04 PM

Authorized for release by
Tiffany Heifferon, Project Manager I
Tiffany.Heifferon@et.eurofinsus.com
(770)457-8177

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Detection Summary 5
Sample Summary 6
Method Summary 7
Definitions 8
Client Sample Results 9
QC Association 11
QC Sample Results 12
Chronicle 13
Chain of Custody 15
Receipt Checklists 16
Certification Summary 17
End Of Report 18

Job Narrative
705-35289-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 7/1/2025 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Metals
Method 7470A: The continuing calibration blank (CCB) for analytical batch 705-67679 contained Mercury above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35289-1

Client Sample ID: WAP-10 — **Lab Sample ID: 705-35289-1**

No Detections.

Client Sample ID: WAP-10 DUP — **Lab Sample ID: 705-35289-2**

No Detections.

Client Sample ID: WAP-9 — **Lab Sample ID: 705-35289-3**

No Detections.

Client Sample ID: WAP-3 — **Lab Sample ID: 705-35289-4**

No Detections.

Client Sample ID: WAP-4 — **Lab Sample ID: 705-35289-5**

No Detections.

Client Sample ID: WLF-AI-4 — **Lab Sample ID: 705-35289-6**

No Detections.

Client Sample ID: WLF-AI-4 DUP — **Lab Sample ID: 705-35289-7**

No Detections.

Client Sample ID: WLF-AI-3 — **Lab Sample ID: 705-35289-8**

No Detections.

Client Sample ID: WLF-AI-1 — **Lab Sample ID: 705-35289-9**

No Detections.

Client Sample ID: WLF-AI-5 — **Lab Sample ID: 705-35289-10**

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35289-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
705-35289-1	WAP-10	Groundwater	06/26/25 10:58	07/01/25 10:45
705-35289-2	WAP-10 DUP	Groundwater	06/26/25 11:03	07/01/25 10:45
705-35289-3	WAP-9	Groundwater	06/26/25 13:11	07/01/25 10:45
705-35289-4	WAP-3	Groundwater	06/26/25 14:24	07/01/25 10:45
705-35289-5	WAP-4	Groundwater	06/26/25 15:33	07/01/25 10:45
705-35289-6	WLF-AI-4	Groundwater	06/24/25 09:49	07/01/25 10:45
705-35289-7	WLF-AI-4 DUP	Groundwater	06/24/25 09:54	07/01/25 10:45
705-35289-8	WLF-AI-3	Groundwater	06/24/25 11:00	07/01/25 10:45
705-35289-9	WLF-AI-1	Groundwater	06/24/25 11:59	07/01/25 10:45
705-35289-10	WLF-AI-5	Groundwater	06/24/25 13:04	07/01/25 10:45

Method Summary

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35289-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	EET ATL
7470A	Preparation, Mercury	SW846	EET ATL

Protocol References:

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

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35289-1

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

Client Sample ID: WAP-10 — **Lab Sample ID: 705-35289-1**
Date Collected: 06/26/25 10:58 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 18:51	1

Client Sample ID: WAP-10 DUP — **Lab Sample ID: 705-35289-2**
Date Collected: 06/26/25 11:03 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 18:55	1

Client Sample ID: WAP-9 — **Lab Sample ID: 705-35289-3**
Date Collected: 06/26/25 13:11 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 18:59	1

Client Sample ID: WAP-3 — **Lab Sample ID: 705-35289-4**
Date Collected: 06/26/25 14:24 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/15/25 15:19	07/15/25 20:57	1

Client Sample ID: WAP-4 — **Lab Sample ID: 705-35289-5**
Date Collected: 06/26/25 15:33 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/15/25 15:19	07/15/25 21:01	1

Client Sample ID: WLF-AI-4 — **Lab Sample ID: 705-35289-6**
Date Collected: 06/24/25 09:49 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 19:11	1

Client Sample ID: WLF-AI-4 DUP — **Lab Sample ID: 705-35289-7**
Date Collected: 06/24/25 09:54 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 19:15	1

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35289-1

Client Sample ID: WLF-AI-3 — **Lab Sample ID: 705-35289-8**
Date Collected: 06/24/25 11:00 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 19:19	1

Client Sample ID: WLF-AI-1 — **Lab Sample ID: 705-35289-9**
Date Collected: 06/24/25 11:59 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 19:23	1

Client Sample ID: WLF-AI-5 — **Lab Sample ID: 705-35289-10**
Date Collected: 06/24/25 13:04 — **Matrix: Groundwater**
Date Received: 07/01/25 10:45

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 19:26	1

Metals

Prep Batch: 67612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35289-1	WAP-10	Total/NA	Groundwater	7470A	
705-35289-2	WAP-10 DUP	Total/NA	Groundwater	7470A	
705-35289-3	WAP-9	Total/NA	Groundwater	7470A	
705-35289-6	WLF-AI-4	Total/NA	Groundwater	7470A	
705-35289-7	WLF-AI-4 DUP	Total/NA	Groundwater	7470A	
705-35289-8	WLF-AI-3	Total/NA	Groundwater	7470A	
705-35289-9	WLF-AI-1	Total/NA	Groundwater	7470A	
705-35289-10	WLF-AI-5	Total/NA	Groundwater	7470A	
MB 705-67612/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-67612/2-A	Lab Control Sample	Total/NA	Water	7470A	
705-36548-C-2-E MS	Matrix Spike	Total/NA	Water	7470A	
705-36548-C-2-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 67679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35289-1	WAP-10	Total/NA	Groundwater	7470A	67612
705-35289-2	WAP-10 DUP	Total/NA	Groundwater	7470A	67612
705-35289-3	WAP-9	Total/NA	Groundwater	7470A	67612
705-35289-6	WLF-AI-4	Total/NA	Groundwater	7470A	67612
705-35289-7	WLF-AI-4 DUP	Total/NA	Groundwater	7470A	67612
705-35289-8	WLF-AI-3	Total/NA	Groundwater	7470A	67612
705-35289-9	WLF-AI-1	Total/NA	Groundwater	7470A	67612
705-35289-10	WLF-AI-5	Total/NA	Groundwater	7470A	67612
MB 705-67612/1-A	Method Blank	Total/NA	Water	7470A	67612
LCS 705-67612/2-A	Lab Control Sample	Total/NA	Water	7470A	67612
705-36548-C-2-E MS	Matrix Spike	Total/NA	Water	7470A	67612
705-36548-C-2-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	67612

Prep Batch: 67926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35289-4	WAP-3	Total/NA	Groundwater	7470A	
705-35289-5	WAP-4	Total/NA	Groundwater	7470A	
MB 705-67926/1-A	Method Blank	Total/NA	Water	7470A	
LCS 705-67926/2-A	Lab Control Sample	Total/NA	Water	7470A	
705-36058-A-4-E MS	Matrix Spike	Total/NA	Water	7470A	
705-36058-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 67976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-35289-4	WAP-3	Total/NA	Groundwater	7470A	67926
705-35289-5	WAP-4	Total/NA	Groundwater	7470A	67926
MB 705-67926/1-A	Method Blank	Total/NA	Water	7470A	67926
LCS 705-67926/2-A	Lab Control Sample	Total/NA	Water	7470A	67926
705-36058-A-4-E MS	Matrix Spike	Total/NA	Water	7470A	67926
705-36058-A-4-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	67926

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 705-67612/1-A
Matrix: Water
Analysis Batch: 67679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67612

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/14/25 12:58	07/14/25 17:45	1

Lab Sample ID: LCS 705-67612/2-A
Matrix: Water
Analysis Batch: 67679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67612

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00400	0.003983		mg/L		100	80 - 120

Lab Sample ID: 705-36548-C-2-E MS
Matrix: Water
Analysis Batch: 67679

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67612

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000200	U	0.00400	0.004400		mg/L		110	75 - 125

Lab Sample ID: 705-36548-C-2-F MSD
Matrix: Water
Analysis Batch: 67679

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67612

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000200	U	0.00400	0.004065		mg/L		102	75 - 125	8	20

Lab Sample ID: MB 705-67926/1-A
Matrix: Water
Analysis Batch: 67976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000200	U	0.000200		mg/L		07/15/25 15:19	07/15/25 18:56	1

Lab Sample ID: LCS 705-67926/2-A
Matrix: Water
Analysis Batch: 67976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67926

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00400	0.003804		mg/L		95	80 - 120

Lab Sample ID: 705-36058-A-4-E MS
Matrix: Water
Analysis Batch: 67976

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 67926

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.000200	U	0.00400	0.003857		mg/L		96	75 - 125

Lab Sample ID: 705-36058-A-4-F MSD
Matrix: Water
Analysis Batch: 67976

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 67926

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.000200	U	0.00400	0.003622		mg/L		91	75 - 125	6	20

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35289-1

Client Sample ID: WAP-10
Lab Sample ID: 705-35289-1
Date Collected: 06/26/25 10:58
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67612	GR	EET ATL	07/14/25 12:58
Total/NA	Analysis	7470A		1	67679	GR	EET ATL	07/14/25 18:51

Client Sample ID: WAP-10 DUP
Lab Sample ID: 705-35289-2
Date Collected: 06/26/25 11:03
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67612	GR	EET ATL	07/14/25 12:58
Total/NA	Analysis	7470A		1	67679	GR	EET ATL	07/14/25 18:55

Client Sample ID: WAP-9
Lab Sample ID: 705-35289-3
Date Collected: 06/26/25 13:11
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67612	GR	EET ATL	07/14/25 12:58
Total/NA	Analysis	7470A		1	67679	GR	EET ATL	07/14/25 18:59

Client Sample ID: WAP-3
Lab Sample ID: 705-35289-4
Date Collected: 06/26/25 14:24
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67926	GR	EET ATL	07/15/25 15:19
Total/NA	Analysis	7470A		1	67976	GR	EET ATL	07/15/25 20:57

Client Sample ID: WAP-4
Lab Sample ID: 705-35289-5
Date Collected: 06/26/25 15:33
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67926	GR	EET ATL	07/15/25 15:19
Total/NA	Analysis	7470A		1	67976	GR	EET ATL	07/15/25 21:01

Client Sample ID: WLF-AI-4
Lab Sample ID: 705-35289-6
Date Collected: 06/24/25 09:49
Matrix: Groundwater
Date Received: 07/01/25 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67612	GR	EET ATL	07/14/25 12:58
Total/NA	Analysis	7470A		1	67679	GR	EET ATL	07/14/25 19:11

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35289-1

Client Sample ID: WLF-AI-4 DUP

Lab Sample ID: 705-35289-7

Date Collected: 06/24/25 09:54
Date Received: 07/01/25 10:45

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67612	GR	EET ATL	07/14/25 12:58
Total/NA	Analysis	7470A		1	67679	GR	EET ATL	07/14/25 19:15

Client Sample ID: WLF-AI-3

Lab Sample ID: 705-35289-8

Date Collected: 06/24/25 11:00
Date Received: 07/01/25 10:45

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67612	GR	EET ATL	07/14/25 12:58
Total/NA	Analysis	7470A		1	67679	GR	EET ATL	07/14/25 19:19

Client Sample ID: WLF-AI-1

Lab Sample ID: 705-35289-9

Date Collected: 06/24/25 11:59
Date Received: 07/01/25 10:45

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67612	GR	EET ATL	07/14/25 12:58
Total/NA	Analysis	7470A		1	67679	GR	EET ATL	07/14/25 19:23

Client Sample ID: WLF-AI-5

Lab Sample ID: 705-35289-10

Date Collected: 06/24/25 13:04
Date Received: 07/01/25 10:45

Matrix: Groundwater

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			67612	GR	EET ATL	07/14/25 12:58
Total/NA	Analysis	7470A		1	67679	GR	EET ATL	07/14/25 19:26

Laboratory References:

EET ATL = Eurofins Atlanta, 3080 Presidential Dr, Atlanta, GA 30340, TEL (770)457-8177

Contract Lab Info. EUROFINS-ATL Contract Lab Due Date (Lab Only) 7 / 9 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

705 35289 COC

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

Customer Email/Report Recipient: LINDA.WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.GB1.3 / 36110

Rerun request for any flagged C (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	Hg			
AG36881	WAP-10	6/26/25	1058	AGP EA	1	P	G	GW	2	7470 RL< 0.2 µg/L	X			
AG36882	WAP-10 DUP		1103											
AG36880	WAP-9		1311											
AG36874	WAP-3		1424											
AG36875	WAP-4		1533											
AG36916	WLF-A1-4	6/24/25	0949											
AG36917	WLF-A1-4 DUP		0954											
AG36915	WLF-A1-3		1100											
AG36913	WLF-A1-1		1159											
AG36918	WLF-A1-5		1304											

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

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

Coal
☐ Short Prox.
☐ % Moisture
☐ Ash
☐ Sulfur
☐ BTUs
Ultimate
☐ Volatile Matter
☐ CHN
☐ HGI
Other Analysis:
☐ Fineness
☐ Particulate Matter

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

NPDES
☐ Oil & Grease
☐ As
☐ TSS

Oil
Trans. Oil Quality
Used Oil
GOFER

MISC.
☐ BTEX
☐ Naphthalene
☐ VOA/Semi
☐ Oil & Grease
☐ E. Coli
☐ Total Coliform
☐ pH
☐ Dissolved As
☐ Dissolved Fe
☐ Rad 226
☐ Rad 228
☐ PCB

☐ Metals (All)

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

RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S.Levy	35594	FED-EX	—	6/30/25	1300
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
		[signature]		07/01/25	1045
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 705-35289-1

Login Number: 35289
List Number: 1
Creator: Taylor, Renee

List Source: Eurofins Atlanta

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
The cooler does 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 present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Sample custody seals, if present, are intact.	True	
Sample collection date/times are provided.	True	
The samples do not appear to have been compromised or tampered with.	True	
Containers are not broken or leaking.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Appropriate sample containers were rec'd and sufficient volume for all analyses.	True	
Samples are received within Holding Time (excluding tests with immediate HTs).	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Is there sufficient air space in bottle for bacteriological analysis.	True	

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 705-35289-1
Project/Site: Santee Cooper

Laboratory: Eurofins Atlanta

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87582	06-30-26
South Carolina	State	98016	06-30-26

END OF REPORT

eurofins | Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/4/2025 12:24:52 PM

JOB DESCRIPTION

125915/JM02-09-G01.1/36500

JOB NUMBER

680-262192-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

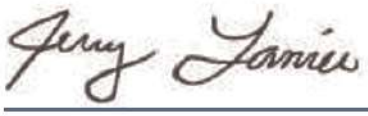
my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization



Generated
3/4/2025 12:24:52 PM

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

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Method Summary 6
Definitions 7
Detection Summary 8
Client Sample Results 9
QC Sample Results 17
QC Association 18
Chronicle 19
Chain of Custody 21
Receipt Checklists 22
Certification Summary 23

Job ID: 680-262192-1 — Eurofins Savannah

Job Narrative
680-262192-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 2/25/2025 11:15 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 16.8°C.

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

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262192-1	AG25164	GW	02/18/25 11:18	02/25/25 11:15
680-262192-2	AG25121	GW	02/18/25 12:29	02/25/25 11:15
680-262192-3	AG25122	GW	02/18/25 14:09	02/25/25 11:15
680-262192-4	AG25123	GW	02/18/25 13:45	02/25/25 11:15
680-262192-5	AG25124	GW	02/18/25 15:40	02/25/25 11:15
680-262192-6	AG25145	GW	02/19/25 09:33	02/25/25 11:15
680-262192-7	AG25144	GW	02/19/25 11:33	02/25/25 11:15
680-262192-8	AG25126	GW	02/19/25 12:30	02/25/25 11:15

Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	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

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

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.
☼	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: 680-262192-1

Client Sample ID: AG25164 — **Lab Sample ID: 680-262192-1**

No Detections.

Client Sample ID: AG25121 — **Lab Sample ID: 680-262192-2**

No Detections.

Client Sample ID: AG25122 — **Lab Sample ID: 680-262192-3**

No Detections.

Client Sample ID: AG25123 — **Lab Sample ID: 680-262192-4**

No Detections.

Client Sample ID: AG25124 — **Lab Sample ID: 680-262192-5**

No Detections.

Client Sample ID: AG25145 — **Lab Sample ID: 680-262192-6**

No Detections.

Client Sample ID: AG25144 — **Lab Sample ID: 680-262192-7**

No Detections.

Client Sample ID: AG25126 — **Lab Sample ID: 680-262192-8**

No Detections.

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25164
Date Collected: 02/18/25 11:18
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-1
Matrix: GW

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 10:20	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25121
Date Collected: 02/18/25 12:29
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-2
Matrix: GW

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 10:17	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25122
Date Collected: 02/18/25 14:09
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-3
Matrix: GW

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 10:15	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25123
Date Collected: 02/18/25 13:45
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-4
Matrix: GW

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 10:05	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25124
Date Collected: 02/18/25 15:40
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-5
Matrix: GW

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 10:12	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25145
Date Collected: 02/19/25 09:33
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-6
Matrix: GW

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 09:58	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25144
Date Collected: 02/19/25 11:33
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-7
Matrix: GW

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 10:24	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25126
Date Collected: 02/19/25 12:30
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-8
Matrix: GW

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 10:22	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-877604/1-A
Matrix: Water
Analysis Batch: 877703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 877604

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/03/25 15:29	03/04/25 09:25	1

Lab Sample ID: LCS 680-877604/2-A
Matrix: Water
Analysis Batch: 877703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 877604

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.492		ug/L		100	80 - 120

Lab Sample ID: 680-262055-E-6-C MS
Matrix: Water
Analysis Batch: 877703

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 877604

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	U F1	1.00	0.6501	F1	ug/L		65	80 - 120

Lab Sample ID: 680-262055-E-6-D MSD
Matrix: Water
Analysis Batch: 877703

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 877604

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	U F1	1.00	0.6290	F1	ug/L		63	80 - 120	3	20

Metals

Prep Batch: 877604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262192-1	AG25164	Total/NA	GW	7470A	
680-262192-2	AG25121	Total/NA	GW	7470A	
680-262192-3	AG25122	Total/NA	GW	7470A	
680-262192-4	AG25123	Total/NA	GW	7470A	
680-262192-5	AG25124	Total/NA	GW	7470A	
680-262192-6	AG25145	Total/NA	GW	7470A	
680-262192-7	AG25144	Total/NA	GW	7470A	
680-262192-8	AG25126	Total/NA	GW	7470A	
MB 680-877604/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-877604/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262055-E-6-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262055-E-6-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 877703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262192-1	AG25164	Total/NA	GW	7470A	877604
680-262192-2	AG25121	Total/NA	GW	7470A	877604
680-262192-3	AG25122	Total/NA	GW	7470A	877604
680-262192-4	AG25123	Total/NA	GW	7470A	877604
680-262192-5	AG25124	Total/NA	GW	7470A	877604
680-262192-6	AG25145	Total/NA	GW	7470A	877604
680-262192-7	AG25144	Total/NA	GW	7470A	877604
680-262192-8	AG25126	Total/NA	GW	7470A	877604
MB 680-877604/1-A	Method Blank	Total/NA	Water	7470A	877604
LCS 680-877604/2-A	Lab Control Sample	Total/NA	Water	7470A	877604
680-262055-E-6-C MS	Matrix Spike	Total/NA	Water	7470A	877604
680-262055-E-6-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	877604

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25164

Lab Sample ID: 680-262192-1

Date Collected: 02/18/25 11:18
Matrix: GW
Date Received: 02/25/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			877604	MG	EET SAV	03/03/25 15:29
Total/NA	Analysis	7470A		1	877703	BJB	EET SAV	03/04/25 10:20

Client Sample ID: AG25121

Lab Sample ID: 680-262192-2

Date Collected: 02/18/25 12:29
Matrix: GW
Date Received: 02/25/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			877604	MG	EET SAV	03/03/25 15:29
Total/NA	Analysis	7470A		1	877703	BJB	EET SAV	03/04/25 10:17

Client Sample ID: AG25122

Lab Sample ID: 680-262192-3

Date Collected: 02/18/25 14:09
Matrix: GW
Date Received: 02/25/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			877604	MG	EET SAV	03/03/25 15:29
Total/NA	Analysis	7470A		1	877703	BJB	EET SAV	03/04/25 10:15

Client Sample ID: AG25123

Lab Sample ID: 680-262192-4

Date Collected: 02/18/25 13:45
Matrix: GW
Date Received: 02/25/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			877604	MG	EET SAV	03/03/25 15:29
Total/NA	Analysis	7470A		1	877703	BJB	EET SAV	03/04/25 10:05

Client Sample ID: AG25124

Lab Sample ID: 680-262192-5

Date Collected: 02/18/25 15:40
Matrix: GW
Date Received: 02/25/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			877604	MG	EET SAV	03/03/25 15:29
Total/NA	Analysis	7470A		1	877703	BJB	EET SAV	03/04/25 10:12

Client Sample ID: AG25145

Lab Sample ID: 680-262192-6

Date Collected: 02/19/25 09:33
Matrix: GW
Date Received: 02/25/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			877604	MG	EET SAV	03/03/25 15:29
Total/NA	Analysis	7470A		1	877703	BJB	EET SAV	03/04/25 09:58

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02-09-G01.1/36500

Job ID: 680-262192-1

Client Sample ID: AG25144

Lab Sample ID: 680-262192-7

Date Collected: 02/19/25 11:33
Matrix: GW
Date Received: 02/25/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			877604	MG	EET SAV	03/03/25 15:29
Total/NA	Analysis	7470A		1	877703	BJB	EET SAV	03/04/25 10:24

Client Sample ID: AG25126

Lab Sample ID: 680-262192-8

Date Collected: 02/19/25 12:30
Matrix: GW
Date Received: 02/25/25 11:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			877604	MG	EET SAV	03/03/25 15:29
Total/NA	Analysis	7470A		1	877703	BJB	EET SAV	03/04/25 10:22

Laboratory References:

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

Contract Lab Info: TA-SAV Contract Lab Due Date (Lab Only): 3/7/25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Loc: 680
262192

Chain of Custody

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

3/4/2025

Customer Email/Report Recipie.: LINDA.WILLIAMS@santeecooper.com
Date Results Needed by: ___/___/___
Project/Task/Unit #: 125915 / JM02.09.681.1 / 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 • Method # • Reporting limit • Misc. sample info • Any other notes	Hg
AG25164	WBW-1	2/18/25	1118	MDG DCA	1	P	G	GW	2	7470 RL=0.2 ug/L	X
21	WAP-1	〃	1229	〃	〃	〃	〃	〃	〃		〃
AG25122	WAP-2	〃	1409	〃	〃	〃	〃	〃	〃		〃
23	WAP-2F	〃	1345	〃	〃	〃	〃	〃	〃		〃
24	WAP-2R	〃	1540	〃	〃	〃	〃	〃	〃		〃
AG25145	WAP-16	2/19/25	0933	ATH DCA	〃	〃	〃	〃	〃		〃
44	WAP-15	〃	1133	〃	〃	〃	〃	〃	〃		〃
AG25126	WAP-4	2/19/25	1230	〃	〃	〃	〃	〃	〃		〃

680-262192 Chain of Custody

Nutrients: TOC, DOC, TP, TPO4, [redacted]-N, F, Cl, NO2, Br, NO3, SO4

Gyp[redacted]: Wallboard, ABM, TOC, Total metals, Soluble [redacted], Purity (CaSO4), % Moisture, Sulfites, pH, [redacted], Particle [redacted], Sulfur, USDA

Coal: ☐ Short Prox. ☐ % Moisture ☐ Ash ☐ Sulfur ☐ BTUs; **Ultimate** ☐ Volatile Matter ☐ CHN ☐ HGI; Other Analysis: ☐ Fineness ☐ Particulate Matter

Flyash: ☐ Ammonia ☐ LOI ☐ % Carbon ☐ Mineral Analysis ☐ Sieve ☐ % Moisture; **NPDES** ☐ Oil & Grease ☐ As ☐ TSS

Oil: Trans. Oil [redacted], % Moisture, Color, Acidity, Dielectric Strength, IFT, Dissolved Gases; Used Oil Flashpoint, Metals (As, Cd, Cr, Ni, Pb), Neut. No.; GOFER

MISC.: ☐ BTEX ☐ Naphthalene ☐ VOA/Semi ☐ Oil & Grease ☐ E. Coli ☐ Total Coliform ☐ pH ☐ Dissolved As ☐ Dissolved Fe ☐ Rad 226 ☐ Rad 228 ☐ PCB

☐ Metals (All): [redacted] Al [redacted] B; Ba Be Ca Cd; [redacted] Cr Cu Fe; K Li Mg Mn; Mo Na Ni Pb; Sb Se Sn Sr; Tl Ti V [redacted]; [redacted] CrVI XRF scan; RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy	35594	R. Caldwell	COURIER	2/25/25	0815
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
R. Caldwell		[redacted]		2/25/25	1115
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)
TEMP (°C): 16.8/16.8
Initials: ___
Correct pH: Yes No
Preservative Lot #:
Date/Time/Init for preservative:

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

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-262192-1

Login Number: 262192

List Source: Eurofins Savannah

List Number: 1

Creator: Faught, Timothy

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

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 680-262192-1
Project/Site: 125915/JM02-09-G01.1/36500

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-26

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/24/2025 7:58:16 AM

JOB DESCRIPTION

125915/JM02.08.E01.3/36500

JOB NUMBER

680-262766-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
3/24/2025 7:58:16 AM

Authorized for release by
Tiffany Heifferon, Project Manager I
Tiffany.Heifferon@et.eurofinsus.com
(770)457-8177

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Method Summary 6
Definitions 7
Detection Summary 8
Client Sample Results 10
QC Sample Results 28
QC Association 29
Chronicle 31
Chain of Custody 34
Receipt Checklists 36
Certification Summary 37

Job ID: 680-262766-1 — Eurofins Savannah

Job Narrative
680-262766-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/13/2025 9:30 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 16.4°C.

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

Sample Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262766-1	AG25178	Ground Water	03/07/25 09:50	03/13/25 09:30
680-262766-2	AG25179	Ground Water	03/07/25 09:55	03/13/25 09:30
680-262766-3	AG25180	Ground Water	03/07/25 10:25	03/13/25 09:30
680-262766-4	AG25181	Ground Water	03/07/25 10:30	03/13/25 09:30
680-262766-5	AG25125	Ground Water	02/24/25 11:15	03/13/25 09:30
680-262766-6	AG25131	Ground Water	02/25/25 15:21	03/13/25 09:30
680-262766-7	AG25132	Ground Water	02/25/25 14:56	03/13/25 09:30
680-262766-8	AG25133	Ground Water	02/25/25 13:45	03/13/25 09:30
680-262766-9	AG25134	Ground Water	02/25/25 13:50	03/13/25 09:30
680-262766-10	AG25136	Ground Water	03/07/25 11:25	03/13/25 09:30
680-262766-11	AG25137	Ground Water	03/07/25 11:30	03/13/25 09:30
680-262766-12	AG27580	Ground Water	03/07/25 09:18	03/13/25 09:30
680-262766-13	AG25156	Ground Water	03/07/25 14:41	03/13/25 09:30
680-262766-14	AG25157	Ground Water	03/07/25 13:00	03/13/25 09:30
680-262766-15	AG25158	Ground Water	03/07/25 13:05	03/13/25 09:30
680-262766-16	AG25154	Ground Water	03/06/25 09:45	03/13/25 09:30
680-262766-17	AG25155	Ground Water	03/06/25 14:39	03/13/25 09:30
680-262766-18	AG25163	Ground Water	03/06/25 11:49	03/13/25 09:30

Method Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

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

Laboratory References:

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

Qualifiers

Metals

Qualifier	Qualifier Description
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.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25178 — **Lab Sample ID: 680-262766-1**

No Detections.

Client Sample ID: AG25179 — **Lab Sample ID: 680-262766-2**

No Detections.

Client Sample ID: AG25180 — **Lab Sample ID: 680-262766-3**

No Detections.

Client Sample ID: AG25181 — **Lab Sample ID: 680-262766-4**

No Detections.

Client Sample ID: AG25125 — **Lab Sample ID: 680-262766-5**

No Detections.

Client Sample ID: AG25131 — **Lab Sample ID: 680-262766-6**

No Detections.

Client Sample ID: AG25132 — **Lab Sample ID: 680-262766-7**

No Detections.

Client Sample ID: AG25133 — **Lab Sample ID: 680-262766-8**

No Detections.

Client Sample ID: AG25134 — **Lab Sample ID: 680-262766-9**

No Detections.

Client Sample ID: AG25136 — **Lab Sample ID: 680-262766-10**

No Detections.

Client Sample ID: AG25137 — **Lab Sample ID: 680-262766-11**

No Detections.

Client Sample ID: AG27580 — **Lab Sample ID: 680-262766-12**

No Detections.

Client Sample ID: AG25156 — **Lab Sample ID: 680-262766-13**

No Detections.

Client Sample ID: AG25157 — **Lab Sample ID: 680-262766-14**

No Detections.

Client Sample ID: AG25158 — **Lab Sample ID: 680-262766-15**

No Detections.

Client Sample ID: AG25154 — **Lab Sample ID: 680-262766-16**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Detection Summary

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25155 — Lab Sample ID: 680-262766-17

No Detections.

Client Sample ID: AG25163 — Lab Sample ID: 680-262766-18

No Detections.

This Detection Summary does not include radiochemical test results.

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25178
Date Collected: 03/07/25 09:50
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-1
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 20:07	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25179
Date Collected: 03/07/25 09:55
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-2
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:37	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25180
Date Collected: 03/07/25 10:25
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-3
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:56	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25181
Date Collected: 03/07/25 10:30
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-4
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 20:05	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25125
Date Collected: 02/24/25 11:15
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-5
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:34	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25131
Date Collected: 02/25/25 15:21
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-6
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 20:10	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25132
Date Collected: 02/25/25 14:56
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-7
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:48	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25133
Date Collected: 02/25/25 13:45
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-8
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:53	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25134
Date Collected: 02/25/25 13:50
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-9
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:51	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25136
Date Collected: 03/07/25 11:25
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-10
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 20:03	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25137
Date Collected: 03/07/25 11:30
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-11
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:46	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG27580
Date Collected: 03/07/25 09:18
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-12
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:25	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25156
Date Collected: 03/07/25 14:41
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-13
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:27	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25157
Date Collected: 03/07/25 13:00
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-14
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:39	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25158
Date Collected: 03/07/25 13:05
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-15
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:44	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25154
Date Collected: 03/06/25 09:45
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-16
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:41	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25155
Date Collected: 03/06/25 14:39
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-17
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:24	03/19/25 21:06	1

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25163
Date Collected: 03/06/25 11:49
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-18
Matrix: Ground Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:24	03/19/25 21:16	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-879267/1-A
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:17	03/19/25 19:06	1

Lab Sample ID: LCS 680-879267/2-A
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.452		ug/L		98	80 - 120

Lab Sample ID: 680-262754-D-3-C MS
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 879267

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	U	1.00	0.9394		ug/L		94	80 - 120

Lab Sample ID: 680-262754-D-3-D MSD
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 879267

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	U	1.00	0.9153		ug/L		92	80 - 120	3	20

Lab Sample ID: MB 680-879270/1-A
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:24	03/19/25 20:12	1

Lab Sample ID: LCS 680-879270/2-A
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.340		ug/L		94	80 - 120

Lab Sample ID: 680-262836-A-21-C MS
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 879270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	U	1.00	0.8804		ug/L		88	80 - 120

Lab Sample ID: 680-262836-A-21-D MSD
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 879270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	U	1.00	0.8839		ug/L		88	80 - 120	0	20

Metals

Prep Batch: 879267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262766-1	AG25178	Total/NA	Ground Water	7470A	
680-262766-2	AG25179	Total/NA	Ground Water	7470A	
680-262766-3	AG25180	Total/NA	Ground Water	7470A	
680-262766-4	AG25181	Total/NA	Ground Water	7470A	
680-262766-5	AG25125	Total/NA	Ground Water	7470A	
680-262766-6	AG25131	Total/NA	Ground Water	7470A	
680-262766-7	AG25132	Total/NA	Ground Water	7470A	
680-262766-8	AG25133	Total/NA	Ground Water	7470A	
680-262766-9	AG25134	Total/NA	Ground Water	7470A	
680-262766-10	AG25136	Total/NA	Ground Water	7470A	
680-262766-11	AG25137	Total/NA	Ground Water	7470A	
680-262766-12	AG27580	Total/NA	Ground Water	7470A	
680-262766-13	AG25156	Total/NA	Ground Water	7470A	
680-262766-14	AG25157	Total/NA	Ground Water	7470A	
680-262766-15	AG25158	Total/NA	Ground Water	7470A	
680-262766-16	AG25154	Total/NA	Ground Water	7470A	
MB 680-879267/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879267/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262754-D-3-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262754-D-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 879270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262766-17	AG25155	Total/NA	Ground Water	7470A	
680-262766-18	AG25163	Total/NA	Ground Water	7470A	
MB 680-879270/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879270/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262836-A-21-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262836-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 879304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262766-1	AG25178	Total/NA	Ground Water	7470A	879267
680-262766-2	AG25179	Total/NA	Ground Water	7470A	879267
680-262766-3	AG25180	Total/NA	Ground Water	7470A	879267
680-262766-4	AG25181	Total/NA	Ground Water	7470A	879267
680-262766-5	AG25125	Total/NA	Ground Water	7470A	879267
680-262766-6	AG25131	Total/NA	Ground Water	7470A	879267
680-262766-7	AG25132	Total/NA	Ground Water	7470A	879267
680-262766-8	AG25133	Total/NA	Ground Water	7470A	879267
680-262766-9	AG25134	Total/NA	Ground Water	7470A	879267
680-262766-10	AG25136	Total/NA	Ground Water	7470A	879267
680-262766-11	AG25137	Total/NA	Ground Water	7470A	879267
680-262766-12	AG27580	Total/NA	Ground Water	7470A	879267
680-262766-13	AG25156	Total/NA	Ground Water	7470A	879267
680-262766-14	AG25157	Total/NA	Ground Water	7470A	879267
680-262766-15	AG25158	Total/NA	Ground Water	7470A	879267
680-262766-16	AG25154	Total/NA	Ground Water	7470A	879267
680-262766-17	AG25155	Total/NA	Ground Water	7470A	879270
680-262766-18	AG25163	Total/NA	Ground Water	7470A	879270
MB 680-879267/1-A	Method Blank	Total/NA	Water	7470A	879267

Metals (Continued)

Analysis Batch: 879304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-879270/1-A	Method Blank	Total/NA	Water	7470A	879270
LCS 680-879267/2-A	Lab Control Sample	Total/NA	Water	7470A	879267
LCS 680-879270/2-A	Lab Control Sample	Total/NA	Water	7470A	879270
680-262754-D-3-C MS	Matrix Spike	Total/NA	Water	7470A	879267
680-262754-D-3-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	879267
680-262836-A-21-C MS	Matrix Spike	Total/NA	Water	7470A	879270
680-262836-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	879270

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25178
Date Collected: 03/07/25 09:50
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 20:07

Client Sample ID: AG25179
Date Collected: 03/07/25 09:55
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:37

Client Sample ID: AG25180
Date Collected: 03/07/25 10:25
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:56

Client Sample ID: AG25181
Date Collected: 03/07/25 10:30
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 20:05

Client Sample ID: AG25125
Date Collected: 02/24/25 11:15
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:34

Client Sample ID: AG25131
Date Collected: 02/25/25 15:21
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 20:10

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25132
Date Collected: 02/25/25 14:56
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:48

Client Sample ID: AG25133
Date Collected: 02/25/25 13:45
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:53

Client Sample ID: AG25134
Date Collected: 02/25/25 13:50
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:51

Client Sample ID: AG25136
Date Collected: 03/07/25 11:25
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 20:03

Client Sample ID: AG25137
Date Collected: 03/07/25 11:30
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-11
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:46

Client Sample ID: AG27580
Date Collected: 03/07/25 09:18
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-12
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:25

Lab Chronicle

Client: South Carolina Public Service Authority
Project/Site: 125915/JM02.08.E01.3/36500

Job ID: 680-262766-1

Client Sample ID: AG25156
Date Collected: 03/07/25 14:41
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-13
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:27

Client Sample ID: AG25157
Date Collected: 03/07/25 13:00
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-14
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:39

Client Sample ID: AG25158
Date Collected: 03/07/25 13:05
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-15
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:44

Client Sample ID: AG25154
Date Collected: 03/06/25 09:45
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-16
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879267	MG	EET SAV	03/19/25 14:17
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 19:41

Client Sample ID: AG25155
Date Collected: 03/06/25 14:39
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-17
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879270	MG	EET SAV	03/19/25 14:24
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 21:06

Client Sample ID: AG25163
Date Collected: 03/06/25 11:49
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262766-18
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879270	MG	EET SAV	03/19/25 14:24
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 21:16

Laboratory References:

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

Contract Lab Info: TA-SAV Contract Lab Due Date (Lab Only): 3 / 21 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

COOLER 2

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

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged QC: (Yes) No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	HG
AG25178	WAP-2 BP SW-1	3/7/25	0950	MDG DA	1	P	G	GW	2	7471 RL < 0.2 ug/L	X
79	WAP-2 BP SW-1 DUP	"	0955	"	"	"	"	"	"		"
80	WAP-2 DITCH-SW-1	"	1025	"	"	"	"	"	"		"
81	WAP-2 DITCH-SW-1	"	1030	"	"	"	"	"	"		"
AG25125	WAP-3	2/24/25	1115	AFH SB							
AG25131	WAP-9	2/25/25	1521	MDG SB							
32	WAP-9F	"	1456	"							
33	WAP-10	"	1345	"							
34	WAP-10 DUP	"	1350	"	"	"	"	"	"		"

680-262766 Chain of Custody

Nutrients	Gypsum	Coal	Flyash	Oil	MISC.	Metals (All)
TOC	☐ Wallboard	☐ Short Prox.	☐ Ammonia	Trans. Oil Quality	☐ BTEX	Ag Al As B
	AIM	☐ % Moisture	☐ LOI	%Moisture	☐ Naphthalene	Ba Be Ca Cd
	☐ TOC	☐ Ash	☐ % Carbon	Color	☐ VOA/Semi	Co Cr Cu Fe
	☐ Total metals	☐ Sulfur	☐ Mineral Analysis	Acidity	☐ Oil & Grease	K Li Mg Mn
P	☐ Soluble Metals	☐ BTUs	☐ Sieve	Dielectric Strength	☐ E. Coli	Mo Na Ni Pb
	☐ Purity ($CaSO_4$)	**Ultimate**	☐ % Moisture	IFT	☐ Total Coliform	Sb Se Sn Sr
	☐ % Moisture	☐ Volatile Matter		Dissolved Gases	☐ pH	Ti Tl V Zn
	☐ Sulfites	☐ CHN	**NPDES**		☐ Dissolved As	Hg CrVI XRF scan
	☐ pH	☐ HGI	☐ Oil & Grease	Used Oil	☐ Dissolved Fe	RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)
SO_4	☐ Chlorides	Other Analysis:	☐ As		☐ Rad 226	
	☐ Particle Size	☐ Fineness	☐ TSS	Metals (As, Cd, Cr, Ni, Pb, Hg)	☐ Rad 228	
	☐ Sulfur	☐ Particulate Matter			☐ PCB	
	☐ USDA			COFER		

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S Levy	35594	FED-EX	—	3/12/25	1030
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
				3/13/25	0930
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

16.4/16.4

Contract Lab Info: TA-SAV Contract Lab Due Date (Lab Only): 3 / 21 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

COOLER 2

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged QC (Yes) No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	HG
AG25136	WAP-12	3/7/25	1125	MDG DA	1	P	G	GW	2	7471 RL < 0.2 ug/L	X
37	WAP-12 DUP		1130								
AG27580	WAP-21		0918								
AG25156	WAP-25		1441								
57	WAP-26		1300								
58	WAP-26 DUP		1305								
AG25154	WAP-23	3/6/25	0945								
55	WAP-24		1439								
63	WAP-30		1149								

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

Gypsum
- Wallboard
- AIM
- Total metals
- Soluble Metals
- Purity
- % Moisture
- pH
- Chlorides
- Particle Size
- USDA

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI
- Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

Oil
- Trans. Oil Quality
- Used Oil
- GOFER

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
SRevy	35594	FED-EX	—	3/12/25	1030
				3/13/25	0930
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

16.4/16.4

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-262766-1

Login Number: 262766
List Number: 1
Creator: Johnson, Corey M

List Source: Eurofins Savannah

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

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 680-262766-1
Project/Site: 125915/JM02.08.E01.3/36500

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-26

eurofins | Environment Testing

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

ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/24/2025 4:45:37 PM

JOB DESCRIPTION

125915/JM02.08.G01.1/36500

JOB NUMBER

680-262769-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

Authorization

Generated
3/24/2025 4:45:37 PM

Authorized for release by
Tiffany Heifferon, Project Manager I
Tiffany.Heifferon@et.eurofinsus.com
(770)457-8177

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Method Summary 6
Definitions 7
Detection Summary 8
Client Sample Results 10
QC Sample Results 28
QC Association 29
Chronicle 31
Chain of Custody 34
Receipt Checklists 36
Certification Summary 37

Job ID: 680-262769-1 — Eurofins Savannah

Job Narrative
680-262769-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/13/2025 9:30 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 18.1°C.

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

Sample Summary

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

Job ID: 680-262769-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262769-1	AG25173	Water	03/04/25 10:04	03/13/25 09:30
680-262769-2	AG25174	Water	03/04/25 11:03	03/13/25 09:30
680-262769-3	AG25146	Water	03/04/25 12:00	03/13/25 09:30
680-262769-4	AG25147	Water	03/04/25 12:05	03/13/25 09:30
680-262769-5	AG25149	Water	03/04/25 14:05	03/13/25 09:30
680-262769-6	AG25150	Water	03/04/25 14:10	03/13/25 09:30
680-262769-7	AG25177	Water	02/27/25 10:06	03/13/25 09:30
680-262769-8	AG25175	Water	02/27/25 10:42	03/13/25 09:30
680-262769-9	AG25176	Water	02/27/25 10:47	03/13/25 09:30
680-262769-10	AG25148	Water	02/27/25 11:49	03/13/25 09:30
680-262769-11	AG25170	Water	02/27/25 09:34	03/13/25 09:30
680-262769-12	AG25171	Water	02/27/25 09:39	03/13/25 09:30
680-262769-13	AG25165	Water	02/26/25 09:38	03/13/25 09:30
680-262769-14	AG25166	Water	02/26/25 11:55	03/13/25 09:30
680-262769-15	AG25172	Water	02/26/25 10:55	03/13/25 09:30
680-262769-16	AG25167	Water	02/26/25 12:28	03/13/25 09:30
680-262769-17	AG25168	Water	02/26/25 12:40	03/13/25 09:30
680-262769-18	AG25169	Water	02/26/25 13:45	03/13/25 09:30

Method Summary

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

Job ID: 680-262769-1

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

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

Laboratory References:

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

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Detection Summary

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

Job ID: 680-262769-1

Client Sample ID: AG25173 — **Lab Sample ID: 680-262769-1**

No Detections.

Client Sample ID: AG25174 — **Lab Sample ID: 680-262769-2**

No Detections.

Client Sample ID: AG25146 — **Lab Sample ID: 680-262769-3**

No Detections.

Client Sample ID: AG25147 — **Lab Sample ID: 680-262769-4**

No Detections.

Client Sample ID: AG25149 — **Lab Sample ID: 680-262769-5**

No Detections.

Client Sample ID: AG25150 — **Lab Sample ID: 680-262769-6**

No Detections.

Client Sample ID: AG25177 — **Lab Sample ID: 680-262769-7**

No Detections.

Client Sample ID: AG25175 — **Lab Sample ID: 680-262769-8**

No Detections.

Client Sample ID: AG25176 — **Lab Sample ID: 680-262769-9**

No Detections.

Client Sample ID: AG25148 — **Lab Sample ID: 680-262769-10**

No Detections.

Client Sample ID: AG25170 — **Lab Sample ID: 680-262769-11**

No Detections.

Client Sample ID: AG25171 — **Lab Sample ID: 680-262769-12**

No Detections.

Client Sample ID: AG25165 — **Lab Sample ID: 680-262769-13**

No Detections.

Client Sample ID: AG25166 — **Lab Sample ID: 680-262769-14**

No Detections.

Client Sample ID: AG25172 — **Lab Sample ID: 680-262769-15**

No Detections.

Client Sample ID: AG25167 — **Lab Sample ID: 680-262769-16**

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 680-262769-1

Client Sample ID: AG25168 — Lab Sample ID: 680-262769-17

No Detections.

Client Sample ID: AG25169 — Lab Sample ID: 680-262769-18

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 680-262769-1

Client Sample ID: AG25173
Date Collected: 03/04/25 10:04
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-1
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:35	1

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

Job ID: 680-262769-1

Client Sample ID: AG25174
Date Collected: 03/04/25 11:03
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-2
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:33	1

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

Job ID: 680-262769-1

Client Sample ID: AG25146
Date Collected: 03/04/25 12:00
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-3
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:12	1

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

Job ID: 680-262769-1

Client Sample ID: AG25147
Date Collected: 03/04/25 12:05
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-4
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:14	1

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

Job ID: 680-262769-1

Client Sample ID: AG25149
Date Collected: 03/04/25 14:05
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-5
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:38	1

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

Job ID: 680-262769-1

Client Sample ID: AG25150
Date Collected: 03/04/25 14:10
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-6
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:40	1

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

Job ID: 680-262769-1

Client Sample ID: AG25177
Date Collected: 02/27/25 10:06
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-7
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:24	03/19/25 21:04	1

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

Job ID: 680-262769-1

Client Sample ID: AG25175
Date Collected: 02/27/25 10:42
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-8
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:57	1

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

Job ID: 680-262769-1

Client Sample ID: AG25176
Date Collected: 02/27/25 10:47
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-9
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:26	1

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

Job ID: 680-262769-1

Client Sample ID: AG25148
Date Collected: 02/27/25 11:49
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-10
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:52	1

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

Job ID: 680-262769-1

Client Sample ID: AG25170
Date Collected: 02/27/25 09:34
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-11
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:31	1

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

Job ID: 680-262769-1

Client Sample ID: AG25171
Date Collected: 02/27/25 09:39
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-12
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:21	1

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

Job ID: 680-262769-1

Client Sample ID: AG25165
Date Collected: 02/26/25 09:38
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-13
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:59	1

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

Job ID: 680-262769-1

Client Sample ID: AG25166
Date Collected: 02/26/25 11:55
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-14
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:54	1

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

Job ID: 680-262769-1

Client Sample ID: AG25172
Date Collected: 02/26/25 10:55
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-15
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:28	1

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

Job ID: 680-262769-1

Client Sample ID: AG25167
Date Collected: 02/26/25 12:28
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-16
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:24	1

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

Job ID: 680-262769-1

Client Sample ID: AG25168
Date Collected: 02/26/25 12:40
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-17
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 18:49	1

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

Job ID: 680-262769-1

Client Sample ID: AG25169
Date Collected: 02/26/25 13:45
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-18
Matrix: Water

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:24	03/19/25 20:52	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-879235/1-A
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879235

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 11:26	03/19/25 17:55	1

Lab Sample ID: LCS 680-879235/2-A
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879235

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.221		ug/L		89	80 - 120

Lab Sample ID: 680-262836-B-18-C MS
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 879235

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	U F1	1.00	0.7904	F1	ug/L		79	80 - 120

Lab Sample ID: 680-262836-B-18-D MSD
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 879235

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	U F1	1.00	0.8794		ug/L		88	80 - 120	11	20

Lab Sample ID: MB 680-879270/1-A
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 879270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		03/19/25 14:24	03/19/25 20:12	1

Lab Sample ID: LCS 680-879270/2-A
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 879270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	2.50	2.340		ug/L		94	80 - 120

Lab Sample ID: 680-262836-A-21-C MS
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 879270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.200	U	1.00	0.8804		ug/L		88	80 - 120

Lab Sample ID: 680-262836-A-21-D MSD
Matrix: Water
Analysis Batch: 879304

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 879270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.200	U	1.00	0.8839		ug/L		88	80 - 120	0	20

Metals

Prep Batch: 879235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262769-1	AG25173	Total/NA	Water	7470A	
680-262769-2	AG25174	Total/NA	Water	7470A	
680-262769-3	AG25146	Total/NA	Water	7470A	
680-262769-4	AG25147	Total/NA	Water	7470A	
680-262769-5	AG25149	Total/NA	Water	7470A	
680-262769-6	AG25150	Total/NA	Water	7470A	
680-262769-8	AG25175	Total/NA	Water	7470A	
680-262769-9	AG25176	Total/NA	Water	7470A	
680-262769-10	AG25148	Total/NA	Water	7470A	
680-262769-11	AG25170	Total/NA	Water	7470A	
680-262769-12	AG25171	Total/NA	Water	7470A	
680-262769-13	AG25165	Total/NA	Water	7470A	
680-262769-14	AG25166	Total/NA	Water	7470A	
680-262769-15	AG25172	Total/NA	Water	7470A	
680-262769-16	AG25167	Total/NA	Water	7470A	
680-262769-17	AG25168	Total/NA	Water	7470A	
MB 680-879235/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879235/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262836-B-18-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262836-B-18-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Prep Batch: 879270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262769-7	AG25177	Total/NA	Water	7470A	
680-262769-18	AG25169	Total/NA	Water	7470A	
MB 680-879270/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-879270/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-262836-A-21-C MS	Matrix Spike	Total/NA	Water	7470A	
680-262836-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 879304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-262769-1	AG25173	Total/NA	Water	7470A	879235
680-262769-2	AG25174	Total/NA	Water	7470A	879235
680-262769-3	AG25146	Total/NA	Water	7470A	879235
680-262769-4	AG25147	Total/NA	Water	7470A	879235
680-262769-5	AG25149	Total/NA	Water	7470A	879235
680-262769-6	AG25150	Total/NA	Water	7470A	879235
680-262769-7	AG25177	Total/NA	Water	7470A	879270
680-262769-8	AG25175	Total/NA	Water	7470A	879235
680-262769-9	AG25176	Total/NA	Water	7470A	879235
680-262769-10	AG25148	Total/NA	Water	7470A	879235
680-262769-11	AG25170	Total/NA	Water	7470A	879235
680-262769-12	AG25171	Total/NA	Water	7470A	879235
680-262769-13	AG25165	Total/NA	Water	7470A	879235
680-262769-14	AG25166	Total/NA	Water	7470A	879235
680-262769-15	AG25172	Total/NA	Water	7470A	879235
680-262769-16	AG25167	Total/NA	Water	7470A	879235
680-262769-17	AG25168	Total/NA	Water	7470A	879235
680-262769-18	AG25169	Total/NA	Water	7470A	879270
MB 680-879235/1-A	Method Blank	Total/NA	Water	7470A	879235

Metals (Continued)

Analysis Batch: 879304 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-879270/1-A	Method Blank	Total/NA	Water	7470A	879270
LCS 680-879235/2-A	Lab Control Sample	Total/NA	Water	7470A	879235
LCS 680-879270/2-A	Lab Control Sample	Total/NA	Water	7470A	879270
680-262836-A-21-C MS	Matrix Spike	Total/NA	Water	7470A	879270
680-262836-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	879270
680-262836-B-18-C MS	Matrix Spike	Total/NA	Water	7470A	879235
680-262836-B-18-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	879235

Lab Chronicle

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

Job ID: 680-262769-1

Client Sample ID: AG25173
Date Collected: 03/04/25 10:04
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:35

Client Sample ID: AG25174
Date Collected: 03/04/25 11:03
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:33

Client Sample ID: AG25146
Date Collected: 03/04/25 12:00
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:12

Client Sample ID: AG25147
Date Collected: 03/04/25 12:05
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:14

Client Sample ID: AG25149
Date Collected: 03/04/25 14:05
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:38

Client Sample ID: AG25150
Date Collected: 03/04/25 14:10
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:40

Lab Chronicle

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

Job ID: 680-262769-1

Client Sample ID: AG25177
Date Collected: 02/27/25 10:06
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879270	MG	EET SAV	03/19/25 14:24
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 21:04

Client Sample ID: AG25175
Date Collected: 02/27/25 10:42
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:57

Client Sample ID: AG25176
Date Collected: 02/27/25 10:47
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:26

Client Sample ID: AG25148
Date Collected: 02/27/25 11:49
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-10
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:52

Client Sample ID: AG25170
Date Collected: 02/27/25 09:34
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:31

Client Sample ID: AG25171
Date Collected: 02/27/25 09:39
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:21

Lab Chronicle

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

Job ID: 680-262769-1

Client Sample ID: AG25165
Date Collected: 02/26/25 09:38
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:59

Client Sample ID: AG25166
Date Collected: 02/26/25 11:55
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:54

Client Sample ID: AG25172
Date Collected: 02/26/25 10:55
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:28

Client Sample ID: AG25167
Date Collected: 02/26/25 12:28
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:24

Client Sample ID: AG25168
Date Collected: 02/26/25 12:40
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879235	MG	EET SAV	03/19/25 11:26
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 18:49

Client Sample ID: AG25169
Date Collected: 02/26/25 13:45
Date Received: 03/13/25 09:30

Lab Sample ID: 680-262769-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7470A			879270	MG	EET SAV	03/19/25 14:24
Total/NA	Analysis	7470A		1	879304	BJB	EET SAV	03/19/25 20:52

Laboratory References:
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Contract Lab Info: TA-SAV Contract Lab Due Date (Lab Only): 3 / 21 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

COOLER 1

Customer Email/Report Recipient: LINDA. WILLIAMS @santeecooper.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 • Method # • Reporting limit • Misc. sample info • Any other notes	Hg
AG25173	WLF-A2-1	3/4/25	1004	BM DA	1	P	G	GW	2	7471 RL<0.2 ug/L	X
74	WLF-A2-2		1103								
46	WAP-17		1200								
47	WAP-17 DUP		1205								
49	WAP-19		1405								
50	WAP-19F		1410								
AG25177	WLF-A2-6F	2/27/25	1006								
75	WLF-A2-6		1042								
76	WLF-A2-6 DUP		1047								
48	WAP-18		1147								

680-262769 Chain of Custody

Nutrients
- TOC
- DOC
- TP/TPO4
- NH3-
- Cl
- NO2
- NO3
- SO4

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

Coal
- Short Prox.
  - % Moisture
  - Ash
  - Sulfur
- BTUs
- Ultimate
- Volatile Matter
- CHN
- HGI

Other Analysis:
- Fineness
- Particulate Matter

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

NPDES
- Oil & Grease
- As
- TSS

Oil
Trans. Oil Quality
Used Oil
GOFER

MISC.
- BTEX
- Naphthalene
- VOA/Semi
- Oil & Grease
- E. Coli
- Total Coliform
- pH
- Dissolved As
- Dissolved Fe
- Rad 226
- Rad 228
- PCB

Metals (All)

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

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
SLevy	35594	FED-EX	—	3/12/25	1030
		CMuno		3/13/25	0930

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

18-1/18-1

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Contract Lab Info: TA-SAV Contract Lab Due Date (Lab Only): 3 / 21 / 25 Send report to lcwillis@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

COOLER 1

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

Customer Email/Report Recipient: LINDA. WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.681.1 / 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 • Method # • Reporting limit • Misc. sample info • Any other notes	HG			
AG 25170	WLF-A1-4	2/27/25	0934	ATH SB	1	P	G	GW	2	7471 RL<0.2 ug/L	X			
71	WLF-A1-4 DUP	〃	0939	〃	〃	〃	〃	〃	〃	〃	〃			
AG 25165	WBW-A1-1	2/26/25	0938	BWM SB	〃	〃	〃	〃	〃	〃	〃			
66	WLF-A1-1	〃	1155	〃	〃	〃	〃	〃	〃	〃	〃			
72	WLF-A1-5	〃	1055	〃	〃	〃	〃	〃	〃	〃	〃			
67	WLF-A1-2	〃	1228	〃	〃	〃	〃	〃	〃	〃	〃			
68	WLF-A1-2F	〃	1240	〃	〃	〃	〃	〃	〃	〃	〃			
69	WLF-A1-3	〃	1345	〃	〃	〃	〃	〃	〃	〃	〃			

Nutrients
- TOC
- COD
- P/TPO4
- NH3-N
- TKN
- Cl
- NO2
- Br
- NO3
- SO4

Gypsum
- Wallboard
- AIM
- TOC
- Total metals
- Soluble Metals
- Purity (CaSO4)
- Moisture
- Sulfites
- pH
- Chlorides
- Particle Size
- Sulfur
- USDA

Coal
- Short Prox.
  - % Moisture
  - Ash
  - Sulfur
- BTUs
- Ultimate
- Volatile Matter
- CHN
- HGI
- Other Analysis:
  - Fineness
  - Particulate Matter

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

NPDES
- Oil & Grease
- As
- TSS

Oil
- Trans. Oil Quality
  - %Moisture
  - Color
  - Acidity
  - Dielectric Strength
  - IFT
  - Dissolved Gases
- Used Oil
  - Flashpoint
  - Metals (As, Cd, Cr, Ni, Pb, Hg)

GOFER

MISC.
- BTEX
- Naphthalene
- VOA/Semi
- Oil & Grease
- E. Coli
- Total Coliform
- pH
- Dissolved As
- Dissolved Fe
- Rad 226
- Rad 228
- PCB

Metals (All)

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

RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy	35594	FED-EX	—	3/12/25	1030
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
		C. Munn		3/13/25	0930
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #: 18.1/18.1

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-262769-1

Login Number: 262769
List Number: 1
Creator: Munro, Caroline

List Source: Eurofins Savannah

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

Accreditation/Certification Summary

Client: South Carolina Public Service Authority
Job ID: 680-262769-1
Project/Site: 125915/JM02.08.G01.1/36500

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
South Carolina	State	98001	06-30-26

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 05, 2025

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

Re: ABS Lab Analytical
Work Order: 732911

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 11, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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: 125915/JM02.09.G01.1/36500
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: 732911 GEL Work Order: 732911

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

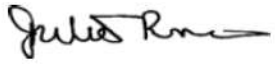
** Analyte is a surrogate compound

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: August 5, 2025

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

Client Sample ID:	AG36887	Project:	SOOP00119
Sample ID:	732911001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 12:18		
Receive Date:	11-JUL-25		
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		1.74	+/-0.608	0.762	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.670	+/-0.470	0.461	1.00	pCi/L			AW6	08/04/25	0825	2828268	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
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 5, 2025

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

Client Sample ID:	AG36888	Project:	SOOP00119
Sample ID:	732911002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 12:23		
Receive Date:	11-JUL-25		
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		1.96	+/-0.573	0.665	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.697	+/-0.465	0.551	1.00	pCi/L			AW6	08/04/25	0825	2828268	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			71.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 5, 2025

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

Client Sample ID:	AG36893	Project:	SOOP00119
Sample ID:	732911003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 14:27		
Receive Date:	11-JUL-25		
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	+/-0.652	0.696	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.30	+/-0.691	0.664	1.00	pCi/L			AW6	08/04/25	0825	2828268	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			70	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 5, 2025

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

Client Sample ID:	AG36889	Project:	SOOP00119
Sample ID:	732911004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 11:30		
Receive Date:	11-JUL-25		
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		1.16	+/-0.492	0.659	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.606	+/-0.458	0.586	1.00	pCi/L			AW6	08/04/25	0825	2828268	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			73.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 5, 2025

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

Client Sample ID:	AG36891	Project:	SOOP00119
Sample ID:	732911005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 13:19		
Receive Date:	11-JUL-25		
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	0.202	+/-0.396	0.703	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.13	+/-0.559	0.466	1.00	pCi/L			AW6	08/04/25	0825	2828268	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			67.8	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 5, 2025

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

Client Sample ID:	AG36904	Project:	SOOP00119
Sample ID:	732911006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 15:50		
Receive Date:	11-JUL-25		
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	0.553	+/-0.467	0.747	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.867	+/-0.543	0.483	1.00	pCi/L			AW6	08/04/25	0900	2828268	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			67.6	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 5, 2025

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

Client Sample ID:	AG36905	Project:	SOOP00119
Sample ID:	732911007	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 15:55		
Receive Date:	11-JUL-25		
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		1.26	+/-0.515	0.688	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.338	+/-0.301	0.359	1.00	pCi/L			AW6	08/04/25	0825	2828268	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			76.3	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 5, 2025

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

Client Sample ID:	AG36919	Project:	SOOP00119
Sample ID:	732911008	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 09:42		
Receive Date:	11-JUL-25		
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		2.03	+/-0.583	0.668	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.840	+/-0.531	0.609	1.00	pCi/L			AW6	08/04/25	0825	2828268	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			75.4	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 5, 2025

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

Client Sample ID:	AG36920	Project:	SOOP00119
Sample ID:	732911009	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	09-JUL-25 10:28		
Receive Date:	11-JUL-25		
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		1.73	+/-0.699	0.944	1.00	pCi/L			CH7	08/04/25	0854	2828511	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.531	+/-0.375	0.415	1.00	pCi/L			AW6	08/04/25	0900	2828268	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			55.7	(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

QC Summary

Report Date: August 5, 2025

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

Workorder: **732911**

Parmname	NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Rad Gas Flow											
Batch 2828511											
QC1206167022 LCS											
Radium-228	27.4			33.0	pCi/L			120	(75%-125%)	CH7	08/04/25 08:54
	Uncertainty			+/-1.88							
QC1206172920 LCSD											
Radium-228	27.4			24.7	pCi/L	28.7	*	90	(0%-20%)		08/04/25 08:54
	Uncertainty			+/-1.72							
QC1206167020 MB											
Radium-228				0.935	pCi/L						08/04/25 08:54
	Uncertainty			+/-0.467							
Rad Ra-226											
Batch 2828268											
QC1206166506 732911001 DUP											
Radium-226		0.670		0.978	pCi/L	37.3			(0% - 100%)	AW6	08/04/25 09:00
	Uncertainty	+/-0.470		+/-0.589							
QC1206166508 LCS											
Radium-226	27.1			24.9	pCi/L			92.1	(75%-125%)		08/04/25 09:00
	Uncertainty			+/-2.47							
QC1206166505 MB											
Radium-226			U	0.280	pCi/L						08/04/25 09:00
	Uncertainty			+/-0.422							
QC1206166507 732911001 MS											
Radium-226	137	0.670		126	pCi/L			91.3	(75%-125%)		08/04/25 09:00
	Uncertainty	+/-0.470		+/-13.1							

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

QC Summary

Workorder: **732911**

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

<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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 #: 732911

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2828511

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

GEL Sample ID#	Client Sample Identification
732911001	AG36887
732911002	AG36888
732911003	AG36893
732911004	AG36889
732911005	AG36891
732911006	AG36904
732911007	AG36905
732911008	AG36919
732911009	AG36920
1206167020	Method Blank (MB)
1206167022	Laboratory Control Sample (LCS)
1206172920	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
1206167020 (MB)	Radium-228	Result: 0.935 pCi/L > MDA: 0.667 pCi/L <= RDL: 1.00 pCi/L

Duplication Criteria between LCS and LCSD
The Laboratory Control Sample and Laboratory Control Sample Duplicate (See Below) do not meet the duplication requirement; however, they both meet the spiked recovery requirement.

Sample	Analyte	Value
1206167022 (LCS) and 1206172920 (LCSD)	Radium-228	RPD 28.7* (0%-20%)

Technical Information

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

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2828268

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

GEL Sample ID#	Client Sample Identification
732911001	AG36887
732911002	AG36888
732911003	AG36893
732911004	AG36889
732911005	AG36891
732911006	AG36904
732911007	AG36905
732911008	AG36919
732911009	AG36920
1206166505	Method Blank (MB)
1206166506	732911001(AG36887) Sample Duplicate (DUP)
1206166507	732911001(AG36887) Matrix Spike (MS)
1206166508	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

Aliquot Reduced
1206166506 (AG36887DUP) and 1206166507 (AG36887MS) Aliquots were reduced due to limited sample volume.

Certification Statement

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

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 8 / 11 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

732911

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

Customer Email/Report Recipient: LINDA.WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged Q: (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			
AG36887	WAP-14	7/9/25	1218	AGP EA	2	P	G	GW	2		X			
88	WAP-14 DUP		1223											
93	WAP-16		1427											
AG36889	WAP-14A		1130											
91	WAP-14C		1319											
904	WAP-26		1550											
05	WAP-26 DUP		1555											
AG36919	WLF-A2-1		0942											
20	WLF-A2-2		1028											

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

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

Coal
- Short Prox.
  - % Moisture
  - Ash
  - Sulfur
- BTUs
- Ultimate
- Volatile Matter
- CHN
- HGI

Other Analysis:
- Fineness
- Particulate Matter

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

NPDES
- Oil & Grease
- As
- TSS

Oil
- Trans. Oil Quality
  - %Moisture
  - Color
  - Acidity
  - Dielectric Strength
  - IFT
  - Dissolved Gases
- Used Oil
  - Flashpoint
  - Metals (As, Cd, Cr, Ni, Pb, Hg)
- GOFER

MISC.
- BTEX
- Naphthalene
- VOA/Semi
- Oil & Grease
- E. Coli
- Total Coliform
- pH
- Dissolved As
- Dissolved Fe
- Rad 226
- Rad 228
- PCB

Metals (All)

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

RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	36451		GEL	7/11/25	0859
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	GEL		GEL	7-11-25	1632
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code: 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP | SDG/AR/COC/Work Order: 732911 | GEL PM: JR

Received By: CLM | Date Received at GEL: 7/11/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
N/A	21°	✓			

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	N.A.	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?			✓	Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes No (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 IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials CR Date 7/14/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 05 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 06, 2025

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

Re: ABS Lab Analytical
Work Order: 732907

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 11, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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: 125915/JM02.08.G01.1/36500
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: 732907 GEL Work Order: 732907

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

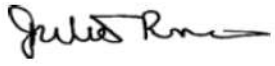
** Analyte is a surrogate compound

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: August 6, 2025

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

Client Sample ID:	AG36897	Project:	SOOP00119
Sample ID:	732907001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	07-JUL-25 10:07		
Receive Date:	11-JUL-25		
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		2.27	+/-0.717	0.859	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.08	+/-0.393	0.350	1.00	pCi/L			AW6	08/06/25	1011	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			55.7	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 6, 2025

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

Client Sample ID:	AG36929	Project:	SOOP00119
Sample ID:	732907002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	07-JUL-25 10:12		
Receive Date:	11-JUL-25		
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	0.615	+/-0.548	0.888	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.185	+/-0.191	0.283	1.00	pCi/L			AW6	08/06/25	1011	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			57.2	(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: August 6, 2025

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

Client Sample ID:	AG36921	Project:	SOOP00119
Sample ID:	732907003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	07-JUL-25 15:20		
Receive Date:	11-JUL-25		
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		0.978	+/-0.571	0.846	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.443	+/-0.239	0.226	1.00	pCi/L			AW6	08/06/25	1011	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			57.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 6, 2025

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

Client Sample ID:	AG36922	Project:	SOOP00119
Sample ID:	732907004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	07-JUL-25 15:25		
Receive Date:	11-JUL-25		
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	0.745	+/-0.613	0.980	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.292	+/-0.292	0.472	1.00	pCi/L			AW6	08/06/25	1011	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			56.2	(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: August 6, 2025

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

Client Sample ID:	AG36931	Project:	SOOP00119
Sample ID:	732907005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	07-JUL-25 15:25		
Receive Date:	11-JUL-25		
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	0.690	+/-0.590	0.950	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.348	+/-0.251	0.358	1.00	pCi/L			AW6	08/06/25	1011	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			51.5	(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: August 6, 2025

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

Client Sample ID:	AG36901	Project:	SOOP00119
Sample ID:	732907006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	07-JUL-25 11:37		
Receive Date:	11-JUL-25		
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		1.27	+/-0.522	0.706	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.79	+/-0.501	0.269	1.00	pCi/L			AW6	08/06/25	1011	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			69.4	(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: August 6, 2025

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

Client Sample ID:	AG36910	Project:	SOOP00119
Sample ID:	732907007	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	07-JUL-25 13:28		
Receive Date:	11-JUL-25		
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		2.11	+/-0.636	0.757	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.815	+/-0.410	0.520	1.00	pCi/L			AW6	08/06/25	1043	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			64.9	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 6, 2025

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

Client Sample ID:	AG36906	Project:	SOOP00119
Sample ID:	732907008	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	07-JUL-25 12:30		
Receive Date:	11-JUL-25		
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		1.74	+/-0.562	0.696	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.898	+/-0.345	0.320	1.00	pCi/L			AW6	08/06/25	1043	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			69.9	(15%-125%)

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

Column headers are defined as follows:

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

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

QC Summary

Report Date: August 6, 2025

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

Workorder: **732907**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2828509										
QC1206167019 LCS										
Radium-228	27.5			22.7	pCi/L		82.8	(75%-125%)	HH3	07/29/25 08:41
	Uncertainty			+/-1.57						
QC1206169744 LCSD										
Radium-228	27.5			33.1	pCi/L	37.3 *	121	(0%-20%)		07/29/25 08:41
	Uncertainty			+/-1.88						
QC1206167017 MB										
Radium-228			U	0.321	pCi/L					07/29/25 10:06
	Uncertainty			+/-0.461						
Rad Ra-226										
Batch 2828267										
QC1206166502 732904002 DUP										
Radium-226		0.650		0.601	pCi/L	7.76		(0% - 100%)	AW6	08/06/25 10:43
	Uncertainty	+/-0.361		+/-0.293						
QC1206166504 LCS										
Radium-226	27.1			25.1	pCi/L		92.6	(75%-125%)		08/06/25 10:43
	Uncertainty			+/-1.62						
QC1206166501 MB										
Radium-226			U	0.178	pCi/L					08/06/25 10:43
	Uncertainty			+/-0.305						
QC1206166503 732904002 MS										
Radium-226	134	0.650		121	pCi/L		89.9	(75%-125%)		08/06/25 10:43
	Uncertainty	+/-0.361		+/-8.31						

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

QC Summary

Workorder: **732907**

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

<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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 #: 732907

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2828509

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

GEL Sample ID#	Client Sample Identification
732907001	AG36897
732907002	AG36929
732907003	AG36921
732907004	AG36922
732907005	AG36931
732907006	AG36901
732907007	AG36910
732907008	AG36906
1206167017	Method Blank (MB)
1206167019	Laboratory Control Sample (LCS)
1206169744	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

Duplication Criteria between LCS and LCSD
The Laboratory Control Sample and Laboratory Control Sample Duplicate (See Below) do not meet the duplication requirement; however, they both meet the spiked recovery requirement.

Sample	Analyte	Value
1206167019 (LCS) and 1206169744 (LCSD)	Radium-228	RPD 37.3* (0%-20%)

Technical Information

Recounts
Sample 1206167017 (MB) was recounted due to a suspected blank false positive. 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: 2828267

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

GEL Sample ID#	Client Sample Identification
732907001	AG36897
732907002	AG36929
732907003	AG36921
732907004	AG36922
732907005	AG36931
732907006	AG36901
732907007	AG36910
732907008	AG36906
1206166501	Method Blank (MB)
1206166502	732904002(AG36899) Sample Duplicate (DUP)
1206166503	732904002(AG36899) Matrix Spike (MS)
1206166504	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, 1206166503 (AG36899MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 8 / 11 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

732907

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

Customer Email/Report Recipient: LINDA.WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.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	RAD 226/228			
AG36897	WAP-19	7/7/25	1007	AGP EA	2	P	G	GW	2		X			
AG36929	WAP-19F	〃	1012	〃	〃	〃	〃	〃	〃		〃			
AG36921	WLF-A2-6	〃	1520	〃	〃	〃	〃	〃	〃		〃			
AG36922	WLF-A2-6 DUP	〃	1525	〃	〃	〃	〃	〃	〃		〃			
AG36931	WLF-A2-6F	〃	1525	〃	〃	〃	〃	〃	〃		〃			
AG36901	WAP-23	〃	1137	〃	〃	〃	〃	〃	〃		〃			
AG36910	WAP-30	〃	1328	〃	〃	〃	〃	〃	〃		〃			
AG36906	WAP-27	〃	1230	〃	〃	〃	〃	〃	〃		〃			

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

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

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI
- Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

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

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
[signature]	36851	[signature]	GEL	7/11/25	0849
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
[signature]	GEL	[signature]	GEL	7-11-25	1632
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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, A-Ash, FA-Fly ash, O-other (describe in comment section)

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP | SDG/AR/COC/Work Order: 732907 | GEL PM: JR

Received By: CLM | Date Received at GEL: 7/11/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other: | IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
N/A	21°	✓			

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?		✓		Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (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 IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials DR Date 7/14/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 06 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 13, 2025

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

Re: ABS Lab Analytical
Work Order: 734048

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 18, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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,

Christopher Rossmann for
Julie Robinson
Project Manager

Purchase Order: 125915/JM02.09.G01.1/36500
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: 734048 GEL Work Order: 734048

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 Chris Rossmann

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

Certificate of Analysis

Report Date: August 13, 2025

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

Client Sample ID:	AG36886	Project:	SOOP00119
Sample ID:	734048001	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	14-JUL-25 10:18		
Receive Date:	18-JUL-25		
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		1.25	+/-0.577	0.795	1.00	pCi/L			CH7	07/31/25	1059	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.639	+/-0.326	0.340	1.00	pCi/L			LB2	08/13/25	0808	2836561	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			84.7	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 13, 2025

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

Client Sample ID:	AG36907	Project:	SOOP00119
Sample ID:	734048002	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	14-JUL-25 11:34		
Receive Date:	18-JUL-25		
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		1.14	+/-0.509	0.700	1.00	pCi/L			CH7	07/31/25	1054	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.14	+/-0.348	0.203	1.00	pCi/L			LB2	08/13/25	0808	2836561	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			77.1	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
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 13, 2025

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

Client Sample ID:	AG36908	Project:	SOOP00119
Sample ID:	734048003	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	14-JUL-25 12:31		
Receive Date:	18-JUL-25		
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	0.558	+/-0.456	0.713	1.00	pCi/L			CH7	07/31/25	1054	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.337	+/-0.303	0.461	1.00	pCi/L			LB2	08/13/25	0808	2836561	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			78.3	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 13, 2025

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

Client Sample ID:	AG36894	Project:	SOOP00119
Sample ID:	734048004	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	14-JUL-25 13:48		
Receive Date:	18-JUL-25		
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		1.94	+/-0.656	0.731	1.00	pCi/L			CH7	07/31/25	1054	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.802	+/-0.314	0.227	1.00	pCi/L			LB2	08/13/25	0808	2836561	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			74.6	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 13, 2025

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

Client Sample ID:	AG36895	Project:	SOOP00119
Sample ID:	734048005	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	14-JUL-25 13:53		
Receive Date:	18-JUL-25		
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		1.67	+/-0.583	0.711	1.00	pCi/L			CH7	07/31/25	1054	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.987	+/-0.380	0.352	1.00	pCi/L			LB2	08/13/25	0808	2836561	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			70	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 13, 2025

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

Client Sample ID:	AG36884	Project:	SOOP00119
Sample ID:	734048006	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	10-JUL-25 13:39		
Receive Date:	18-JUL-25		
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		4.27	+/-0.806	0.715	1.00	pCi/L			CH7	07/31/25	1054	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.28	+/-0.534	0.387	1.00	pCi/L			LB2	08/13/25	0808	2836561	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			78.3	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 13, 2025

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

Client Sample ID:	AG36885	Project:	SOOP00119
Sample ID:	734048007	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	10-JUL-25 13:44		
Receive Date:	18-JUL-25		
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		4.06	+/-0.728	0.678	1.00	pCi/L			CH7	07/31/25	1230	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.41	+/-0.436	0.422	1.00	pCi/L			LB2	08/13/25	0808	2836561	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.3	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: August 13, 2025

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

Client Sample ID:	AG36903	Project:	SOOP00119
Sample ID:	734048008	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	10-JUL-25 10:13		
Receive Date:	18-JUL-25		
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	0.736	+/-0.597	0.943	1.00	pCi/L			CH7	08/04/25	0954	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.294	+/-0.199	0.225	1.00	pCi/L			LB2	08/13/25	0808	2836561	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			29.6	(15%-125%)

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

Column headers are defined as follows:

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

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

QC Summary

Report Date: August 13, 2025

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

Workorder: **734048**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2833531										
QC1206176165 LCS										
Radium-228	27.4			28.2	pCi/L		103	(75%-125%)	CH7	07/31/25 10:59
	Uncertainty			+/-1.85						
QC1206177760 LCSD										
Radium-228	27.4			30.1	pCi/L	6.58	110	(0%-20%)		07/31/25 10:56
	Uncertainty			+/-1.92						
QC1206176163 MB										
Radium-228				0.911	pCi/L					07/31/25 10:59
	Uncertainty			+/-0.498						
Rad Ra-226										
Batch 2836561										
QC1206182077 734048001 DUP										
Radium-226		0.639		1.40	pCi/L	74.7		(0% - 100%)	LB2	08/13/25 08:46
	Uncertainty	+/-0.326		+/-0.418						
QC1206182081 LCS										
Radium-226	27.2			24.5	pCi/L		90.1	(75%-125%)		08/13/25 09:19
	Uncertainty			+/-1.72						
QC1206182076 MB										
Radium-226			U	0.0842	pCi/L					08/13/25 08:46
	Uncertainty			+/-0.182						
QC1206182078 734048001 MS										
Radium-226	134	0.639		103	pCi/L		76.6	(75%-125%)		08/13/25 09:19
	Uncertainty	+/-0.326		+/-7.47						

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

QC Summary

Workorder: **734048**

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

<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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 #: 734048

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2833531

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

GEL Sample ID#	Client Sample Identification
734048001	AG36886
734048002	AG36907
734048003	AG36908
734048004	AG36894
734048005	AG36895
734048006	AG36884
734048007	AG36885
734048008	AG36903
1206176163	Method Blank (MB)
1206176165	Laboratory Control Sample (LCS)
1206177760	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
1206176163 (MB)	Radium-228	Result: 0.911 pCi/L > MDA: 0.708 pCi/L <= RDL: 1.00 pCi/L

Technical Information

Recounts
Sample 734048007 (AG36885) was recounted to verify sample results. Recount is reported.
Sample 734048008 (AG36903) was re-eluted and recounted to verify sample result. The recount is reported.

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

Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2836561

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

GEL Sample ID#	Client Sample Identification
734048001	AG36886
734048002	AG36907
734048003	AG36908
734048004	AG36894
734048005	AG36895
734048006	AG36884
734048007	AG36885
734048008	AG36903
1206182076	Method Blank (MB)
1206182077	734048001(AG36886) Sample Duplicate (DUP)
1206182078	734048001(AG36886) Matrix Spike (MS)
1206182081	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, 1206182078 (AG36886MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): ___/___/___ Send report to icwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

734048 RAD

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged Q: (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 224/228			
AG36886	WAP-13	7/14/25	1018	ATH EA	2	P	G	GW	2		X			
AG36907	WAP-28	"	1134	"	"	"	"	"	"		"			
AG36908	WAP-28R	"	1231	"	"	"	"	"	"		"			
AG36894	WAP-17	"	1348	"	"	"	"	"	"		"			
AG36895	WAP-17 DUP	"	1353	"	"	"	"	"	"		"			
AG36884	WAP-12	7/10/25	1339	AGP EA	"	"	"	"	"		"			
AG36885	WAP-12 DUP	"	1344	"	"	"	"	"	"		"			
AG36903	WAP-25	"	1013	"	"	"	"	"	"		"			

Nutrients
- F
- Cl
- NO3
- PO4
- SO4

Gypsum
- CaO
- MgO
- Soluble Mg
- Soluble Na
- Moisture
- Total Sulfur
- Sulfite
- Chloride
- Soluble Ca
- Solids
- USA #

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI

Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

Oil
- Flash Of Oil (F)
- Viscosity
- Density
- Pour Point
- Water
- Sediment
- Ash
- Sulfur
- Gravity
- Color
- Neut. No.
- Carbon Residue
- Pentane Insol.
- Heptane Insol.
- Toluene Insol.
- Asphaltenes
- Conradson Carbon
- Aromatics
- Saturates
- Resins
- Wax Content
- Cetane Index
- Cloud Point
- Pour Point
- Aniline Point
- Diesel Index
- Distillation
- Gasoline
- Diesel
- Jet Fuel
- Kerosene
- Naphtha
- Lubricating Oil
- Residuum
- Gasoline Range Organics
- Diesel Range Organics
- Oil Range Organics
- Total Petroleum Hydrocarbons

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

Metals (All)
- Ag, Al, As, B
- Ba, Be, Ca, Cd
- Co, Cr, Cu, Fe
- K, Li, Mg, Mn
- Mo, Na, Ni, Pb
- Sb, Se, Si, Sn
- Sr, Ti, V, Zn
- Hg, CN, NRI Steel
- RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
[signature]	36851	[signature]	GEL	7/18/25	1011
[signature]	GEL	[signature]		7/18/25	16:45

Sample Receiving (Internal Use Only)

TEMP (°C): ___

Initials: ___

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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-fly ash, BA-bottom ash, DI-fluse (describe in comment section)

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP

SDG/AR/COC/Work Order: 734048

Received By: SLB

Date Received at GEL: 7-18-25

GEL PM:

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-24 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
1	21				

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?		✓	N/A
C Did the RSO classify the samples as Radioactive?		✓	COC listed or radioactive stickers on containers equal client designation. Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 4 CPM mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?			✓	Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (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 IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials CR Date 7/22/25

Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 13 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

March 28, 2025

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

Re: ABS Lab Analytical
Work Order: 711428

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 28, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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,

Joanne Harley for
Julie Robinson
Project Manager

Purchase Order: 125915/JM02.08.G01.3/36500
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: 711428 GEL Work Order: 711428

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 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 J M Hanley

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25153	Project:	SOOP00119
Sample ID:	711428001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 12:19		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0474	0.0330	0.100	mg/L		1	TXT1	02/28/25	2333	2758487	1
Chloride		100	1.34	4.00	mg/L		20	TXT1	03/01/25	1708	2758487	2
Sulfate		98.6	2.66	8.00	mg/L		20					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25129	Project:	SOOP00119
Sample ID:	711428002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 11:42		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0599	0.0330	0.100	mg/L		1	TXT1	03/01/25	0108	2758487	1
Chloride		26.6	0.335	1.00	mg/L		5	TXT1	03/01/25	1843	2758487	2
Sulfate		1010	13.3	40.0	mg/L		100	TXT1	03/01/25	1915	2758487	3

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25125	Project:	SOOP00119
Sample ID:	711428003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 11:15		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride		0.102	0.0330	0.100	mg/L		1	TXT1	03/01/25	0140	2758487	1
Chloride		185	3.35	10.0	mg/L		50	TXT1	03/01/25	1947	2758487	2
Sulfate		143	6.65	20.0	mg/L		50					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25135	Project:	SOOP00119
Sample ID:	711428004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 10:03		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Chloride, Liquid "As Received"												
Chloride		81.6	1.34	4.00	mg/L		20	TXT1	03/01/25	2019	2758487	1
Sulfate		257	2.66	8.00	mg/L		20					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25170	Project:	SOOP00119
Sample ID:	711428005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 09:34		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		3.30	0.0670	0.200	mg/L		1	TXT1	03/01/25	0244	2758487	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate		53.1	0.665	2.00	mg/L		5	TXT1	03/01/25	2051	2758487	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25171	Project:	SOOP00119
Sample ID:	711428006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 09:39		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		3.31	0.0670	0.200	mg/L		1	TXT1	03/01/25	0316	2758487	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate		54.2	0.665	2.00	mg/L		5	TXT1	03/01/25	2123	2758487	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25128	Project:	SOOP00119
Sample ID:	711428007	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 10:36		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Chloride, Liquid "As Received"												
Chloride		18.1	0.335	1.00	mg/L		5	TXT1	03/01/25	2154	2758487	1
Sulfate		85.6	0.665	2.00	mg/L		5					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25130	Project:	SOOP00119
Sample ID:	711428008	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 12:45		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Chloride, Liquid "As Received"												
Chloride		482	6.70	20.0	mg/L		100	TXT1	03/03/25	1302	2758487	1
Sulfate		952	13.3	40.0	mg/L		100					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25131	Project:	SOOP00119
Sample ID:	711428009	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 15:21		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0544	0.0330	0.100	mg/L		1	TXT1	03/01/25	0555	2758487	1
Chloride		113	3.35	10.0	mg/L		50	TXT1	03/02/25	0002	2758487	2
Sulfate		542	6.65	20.0	mg/L		50					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25132	Project:	SOOP00119
Sample ID:	711428010	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 14:56		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride	U	0.0670	0.0670	0.200	mg/L		1	TXT1	03/01/25	0627	2758487	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate	U	0.133	0.133	0.400	mg/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25133	Project:	SOOP00119
Sample ID:	711428011	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 13:45		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	U	0.0330	0.0330	0.100	mg/L		1	TXT1	03/01/25	0803	2758487	1
Chloride		362	6.70	20.0	mg/L		100	TXT1	03/02/25	0034	2758487	2
Sulfate		580	13.3	40.0	mg/L		100					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25134	Project:	SOOP00119
Sample ID:	711428012	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 13:50		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	U	0.0330	0.0330	0.100	mg/L		1	TXT1	03/01/25	0834	2758487	1
Chloride		343	6.70	20.0	mg/L		100	TXT1	03/02/25	0106	2758487	2
Sulfate		560	13.3	40.0	mg/L		100					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25143	Project:	SOOP00119
Sample ID:	711428013	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 11:44		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0602	0.0330	0.100	mg/L		1	TXT1	03/01/25	0938	2758487	1
Chloride		294	3.35	10.0	mg/L		50	TXT1	03/02/25	0137	2758487	2
Sulfate		119	6.65	20.0	mg/L		50					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25142	Project:	SOOP00119
Sample ID:	711428014	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 13:20		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0507	0.0330	0.100	mg/L		1	TXT1	03/01/25	1010	2758487	1
Chloride		788	13.4	40.0	mg/L		200	TXT1	03/02/25	0209	2758487	2
Sulfate		580	26.6	80.0	mg/L		200					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25141	Project:	SOOP00119
Sample ID:	711428015	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 14:00		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0775	0.0330	0.100	mg/L		1	TXT1	03/01/25	1217	2758487	1
Chloride		969	16.8	50.0	mg/L		250	TXT1	03/03/25	1334	2758487	2
Sulfate		640	33.3	100	mg/L		250					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25162	Project:	SOOP00119
Sample ID:	711428016	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 09:07		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0734	0.0330	0.100	mg/L		1	TXT1	03/01/25	0400	2758488	1
Chloride		567	13.4	40.0	mg/L		200	TXT1	03/01/25	1944	2758488	2
Sulfate		444	26.6	80.0	mg/L		200					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25139	Project:	SOOP00119
Sample ID:	711428017	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 10:12		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride		0.796	0.0330	0.100	mg/L		1	TXT1	03/01/25	0431	2758488	1
Chloride		1410	16.8	50.0	mg/L		250	TXT1	03/01/25	2016	2758488	2
Sulfate		798	33.3	100	mg/L		250					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25140	Project:	SOOP00119
Sample ID:	711428018	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 10:17		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride		0.805	0.0330	0.100	mg/L		1	TXT1	03/01/25	0502	2758488	1
Chloride		1390	16.8	50.0	mg/L		250	TXT1	03/01/25	2047	2758488	2
Sulfate		809	33.3	100	mg/L		250					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25160	Project:	SOOP00119
Sample ID:	711428019	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 12:11		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride		0.134	0.0330	0.100	mg/L		1	TXT1	03/01/25	0534	2758488	1
Chloride		173	3.35	10.0	mg/L		50	TXT1	03/01/25	2118	2758488	2
Sulfate		139	6.65	20.0	mg/L		50					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25161	Project:	SOOP00119
Sample ID:	711428020	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 12:49		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0828	0.0330	0.100	mg/L		1	TXT1	03/01/25	0637	2758488	1
Chloride		63.9	0.670	2.00	mg/L		10	TXT1	03/01/25	2150	2758488	2
Sulfate		61.8	1.33	4.00	mg/L		10					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25138	Project:	SOOP00119
Sample ID:	711428021	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 13:41		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0992	0.0330	0.100	mg/L		1	TXT1	03/01/25	0811	2758488	1
Chloride		446	6.70	20.0	mg/L		100	TXT1	03/01/25	2324	2758488	2
Sulfate		99.2	13.3	40.0	mg/L		100					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25177	Project:	SOOP00119
Sample ID:	711428022	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 10:06		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride	U	0.0670	0.0670	0.200	mg/L		1	TXT1	03/01/25	0945	2758488	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate	U	0.133	0.133	0.400	mg/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25175	Project:	SOOP00119
Sample ID:	711428023	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 10:42		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride		0.177	0.0330	0.100	mg/L		1	TXT1	03/01/25	1016	2758488	1
Chloride		70.2	1.34	4.00	mg/L		20	TXT1	03/01/25	2355	2758488	2
Sulfate		257	2.66	8.00	mg/L		20					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25176	Project:	SOOP00119
Sample ID:	711428024	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 10:47		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride		0.147	0.0330	0.100	mg/L		1	TXT1	03/01/25	1048	2758488	1
Chloride		69.5	1.34	4.00	mg/L		20	TXT1	03/02/25	0027	2758488	2
Sulfate		252	2.66	8.00	mg/L		20					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25148	Project:	SOOP00119
Sample ID:	711428025	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 11:49		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride		0.132	0.0330	0.100	mg/L		1	TXT1	03/01/25	1119	2758488	1
Chloride		39.0	1.34	4.00	mg/L		20	TXT1	03/02/25	0201	2758488	2
Sulfate		150	2.66	8.00	mg/L		20					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25165	Project:	SOOP00119
Sample ID:	711428026	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 09:38		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride		0.103	0.0330	0.100	mg/L		1	TXT1	03/01/25	1150	2758488	1
Chloride		12.5	0.134	0.400	mg/L		2	TXT1	03/02/25	0232	2758488	2
Sulfate		379	6.65	20.0	mg/L		50	TXT1	03/02/25	0406	2758488	3

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	
3	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25166	Project:	SOOP00119
Sample ID:	711428027	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 11:55		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		9.88	0.0670	0.200	mg/L		1	TXT1	03/01/25	1325	2758488	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate		159	2.66	8.00	mg/L		20	TXT1	03/02/25	0540	2758488	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25172	Project:	SOOP00119
Sample ID:	711428028	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 10:55		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	J	0.0862	0.0330	0.100	mg/L		1	TXT1	03/01/25	1356	2758488	1
Chloride		134	3.35	10.0	mg/L		50	TXT1	03/02/25	0612	2758488	2
Sulfate		358	6.65	20.0	mg/L		50					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25167	Project:	SOOP00119
Sample ID:	711428029	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 12:58		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	U	0.0330	0.0330	0.100	mg/L		1	TXT1	03/01/25	1427	2758488	1
Chloride		121	1.68	5.00	mg/L		25	TXT1	03/02/25	0643	2758488	2
Sulfate		310	3.33	10.0	mg/L		25					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25168	Project:	SOOP00119
Sample ID:	711428030	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 12:40		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride	U	0.0670	0.0670	0.200	mg/L		1	TXT1	03/01/25	1601	2758488	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate	U	0.133	0.133	0.400	mg/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

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: March 28, 2025

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

Client Sample ID:	AG25169	Project:	SOOP00119
Sample ID:	711428031	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 13:45		
Receive Date:	28-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		3.22	0.0670	0.200	mg/L		1	TXT1	03/01/25	1633	2758488	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate		60.6	0.665	2.00	mg/L		5	TXT1	03/02/25	0817	2758488	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

QC Summary

Report Date: March 28, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **711428**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2758487										
QC1206022215 711428001 DUP										
Chloride		100		101	mg/L	0.137		(0%-20%)	TXT1	03/01/25 17:40
Fluoride	J	0.0474	J	0.0486	mg/L	2.5	^	(+/-0.100)		03/01/25 00:05
Sulfate		98.6		97.3	mg/L	1.28		(0%-20%)		03/01/25 17:40
QC1206022217 711428010 DUP										
Chloride	U	0.0670	U	0.0670	mg/L	N/A				03/01/25 06:59
Fluoride	U	0.0330	U	0.0330	mg/L	N/A				
Sulfate	U	0.133	U	0.133	mg/L	N/A				
QC1206022214 LCS										
Chloride	5.00			4.60	mg/L		91.9	(90%-110%)		02/28/25 23:01
Fluoride	2.50			2.39	mg/L		95.7	(90%-110%)		
Sulfate	10.0			9.40	mg/L		94	(90%-110%)		
QC1206022213 MB										
Chloride			U	0.0670	mg/L					02/28/25 22:29
Fluoride			U	0.0330	mg/L					
Sulfate			U	0.133	mg/L					

QC Summary

Workorder: **711428**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2758487												
QC1206022216 711428001 PS												
Chloride	5.00		5.02		10.2	mg/L			104	(90%-110%)	TXT1	03/01/25 18:11
Fluoride	2.50	J	0.0474		2.42	mg/L			94.8	(90%-110%)		03/01/25 00:36
Sulfate	10.0		4.93		14.5	mg/L			96.1	(90%-110%)		03/01/25 18:11
QC1206022218 711428010 PS												
Chloride	5.00	U	0.000		4.58	mg/L			91.7	(90%-110%)		03/01/25 07:31
Fluoride	2.50	U	0.000		2.43	mg/L			97.1	(90%-110%)		
Sulfate	10.0	U	0.000		9.27	mg/L			92.7	(90%-110%)		
Batch 2758488												
QC1206022221 711428020 DUP												
Chloride			63.9		63.7	mg/L	0.279			(0%-20%)	TXT1	03/01/25 22:21
Fluoride		J	0.0828	J	0.0823	mg/L	0.606	^		(+/-0.100)		03/01/25 07:08
Sulfate			61.8		61.5	mg/L	0.475			(0%-20%)		03/01/25 22:21
QC1206022223 711428026 DUP												
Chloride			12.5		12.3	mg/L	1.75			(0%-20%)		03/02/25 03:04
Fluoride			0.103	J	0.0961	mg/L	7.22	^		(+/-0.100)		03/01/25 12:22
Sulfate			379		377	mg/L	0.575			(0%-20%)		03/02/25 04:38
QC1206022220 LCS												
Chloride	5.00				4.62	mg/L			92.5	(90%-110%)		03/01/25 03:28

QC Summary

Workorder: **711428**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2758488										
Fluoride	2.50			2.36	mg/L		94.4	(90%-110%)	TXT1	03/01/25 03:28
Sulfate	10.0			9.40	mg/L		94	(90%-110%)		
QC1206022219 MB										
Chloride			U	0.0670	mg/L					03/01/25 02:57
Fluoride			U	0.0330	mg/L					
Sulfate			U	0.133	mg/L					
QC1206022222 711428020 PS										
Chloride	5.00	6.39		11.8	mg/L		108	(90%-110%)		03/01/25 22:53
Fluoride	2.50 J	0.0828		2.45	mg/L		94.8	(90%-110%)		03/01/25 07:39
Sulfate	10.0	6.18		16.0	mg/L		97.8	(90%-110%)		03/01/25 22:53
QC1206022224 711428026 PS										
Chloride	5.00	6.24		11.6	mg/L		107	(90%-110%)		03/02/25 03:35
Fluoride	2.50	0.103		2.44	mg/L		93.4	(90%-110%)		03/01/25 12:53
Sulfate	10.0	7.59		17.5	mg/L		99.4	(90%-110%)		03/02/25 05:09

Notes:

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

QC Summary

Workorder: **711428**

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

<	Result is less than value reported
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
N1	See case narrative
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

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.

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25153	Project:	SOOP00119
Sample ID:	711428001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 12:19		
Receive Date:	28-FEB-25		
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	0.703	+/-0.550	0.846	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.574	+/-0.346	0.364	1.00	pCi/L			MJ2	03/26/25	1037	2761178	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.4	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25129	Project:	SOOP00119
Sample ID:	711428002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 11:42		
Receive Date:	28-FEB-25		
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	0.0806	+/-0.401	0.738	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.434	+/-0.306	0.377	1.00	pCi/L			MJ2	03/26/25	1037	2761178	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25125	Project:	SOOP00119
Sample ID:	711428003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 11:15		
Receive Date:	28-FEB-25		
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	0.822	+/-0.597	0.957	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.771	+/-0.411	0.419	1.00	pCi/L			MJ2	03/26/25	1107	2761178	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			78.1	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25170	Project:	SOOP00119
Sample ID:	711428005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 09:34		
Receive Date:	28-FEB-25		
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		1.08	+/-0.609	0.933	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.194	+/-0.242	0.403	1.00	pCi/L			MJ2	03/26/25	1107	2761178	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25171	Project:	SOOP00119
Sample ID:	711428006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 09:39		
Receive Date:	28-FEB-25		
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	0.829	+/-0.594	0.944	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.219	+/-0.252	0.385	1.00	pCi/L			MJ2	03/26/25	1107	2761178	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			73	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25131	Project:	SOOP00119
Sample ID:	711428009	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 15:21		
Receive Date:	28-FEB-25		
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		1.09	+/-0.524	0.747	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.37	+/-0.535	0.451	1.00	pCi/L			MJ2	03/26/25	1107	2761178	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			69.9	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25132	Project:	SOOP00119
Sample ID:	711428010	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 14:56		
Receive Date:	28-FEB-25		
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		1.12	+/-0.649	0.910	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.153	+/-0.318	0.586	1.00	pCi/L			RS2	03/28/25	1051	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			42.3	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25133	Project:	SOOP00119
Sample ID:	711428011	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 13:45		
Receive Date:	28-FEB-25		
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		1.60	+/-0.679	0.988	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.35	+/-0.731	0.578	1.00	pCi/L			RS2	03/28/25	1051	2761179	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25134	Project:	SOOP00119
Sample ID:	711428012	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-FEB-25 13:50		
Receive Date:	28-FEB-25		
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	0.240	+/-0.520	0.915	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.15	+/-0.469	0.519	1.00	pCi/L			RS2	03/28/25	1052	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			71.1	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25143	Project:	SOOP00119
Sample ID:	711428013	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 11:44		
Receive Date:	28-FEB-25		
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		1.30	+/-0.534	0.681	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.91	+/-0.612	0.533	1.00	pCi/L			RS2	03/28/25	1052	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			62.3	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25142	Project:	SOOP00119
Sample ID:	711428014	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 13:20		
Receive Date:	28-FEB-25		
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		1.84	+/-0.609	0.699	1.00	pCi/L			DH1	03/27/25	1313	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		7.83	+/-1.08	0.456	1.00	pCi/L			RS2	03/28/25	1052	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			58.8	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25141	Project:	SOOP00119
Sample ID:	711428015	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 14:00		
Receive Date:	28-FEB-25		
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		0.768	+/-0.467	0.691	1.00	pCi/L			DH1	03/27/25	1336	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.807	+/-0.377	0.368	1.00	pCi/L			RS2	03/28/25	1052	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			72.5	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25162	Project:	SOOP00119
Sample ID:	711428016	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 09:07		
Receive Date:	28-FEB-25		
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	0.626	+/-0.419	0.637	1.00	pCi/L			DH1	03/27/25	1336	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.24	+/-0.575	0.702	1.00	pCi/L			RS2	03/28/25	1052	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			79	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25139	Project:	SOOP00119
Sample ID:	711428017	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 10:12		
Receive Date:	28-FEB-25		
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		0.752	+/-0.458	0.674	1.00	pCi/L			DH1	03/27/25	1336	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.40	+/-0.641	0.329	1.00	pCi/L			RS2	03/28/25	1131	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			68.9	(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: March 28, 2025

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

Client Sample ID:	AG25140	Project:	SOOP00119
Sample ID:	711428018	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	20-FEB-25 10:17		
Receive Date:	28-FEB-25		
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		1.31	+/-0.541	0.696	1.00	pCi/L			DH1	03/27/25	1336	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.04	+/-0.449	0.515	1.00	pCi/L			RS2	03/28/25	1131	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			66	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25160	Project:	SOOP00119
Sample ID:	711428019	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 12:11		
Receive Date:	28-FEB-25		
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	0.113	+/-0.375	0.691	1.00	pCi/L			DH1	03/27/25	1336	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.31	+/-0.741	0.708	1.00	pCi/L			RS2	03/28/25	1131	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			70.7	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25161	Project:	SOOP00119
Sample ID:	711428020	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 12:49		
Receive Date:	28-FEB-25		
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	-0.173	+/-0.313	0.681	1.00	pCi/L			DH1	03/27/25	1336	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.515	+/-0.357	0.475	1.00	pCi/L			RS2	03/28/25	1131	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			64.9	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25138	Project:	SOOP00119
Sample ID:	711428021	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-FEB-25 13:41		
Receive Date:	28-FEB-25		
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		1.57	+/-0.518	0.627	1.00	pCi/L			DH1	03/27/25	1336	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.83	+/-0.573	0.341	1.00	pCi/L			RS2	03/28/25	1131	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.5	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25177	Project:	SOOP00119
Sample ID:	711428022	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 10:06		
Receive Date:	28-FEB-25		
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	0.321	+/-0.433	0.743	1.00	pCi/L			DH1	03/27/25	1337	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.38	+/-0.502	0.501	1.00	pCi/L			RS2	03/28/25	1131	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			57.6	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25175	Project:	SOOP00119
Sample ID:	711428023	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 10:42		
Receive Date:	28-FEB-25		
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	0.178	+/-0.437	0.776	1.00	pCi/L			DH1	03/27/25	1336	2761041	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.06	+/-0.467	0.525	1.00	pCi/L			RS2	03/28/25	1131	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			84.5	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25176	Project:	SOOP00119
Sample ID:	711428024	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 10:47		
Receive Date:	28-FEB-25		
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	0.451	+/-0.737	1.28	1.00	pCi/L			DH1	03/28/25	1231	2761042	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.0879	+/-0.385	0.745	1.00	pCi/L			RS2	03/28/25	1131	2761179	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25148	Project:	SOOP00119
Sample ID:	711428025	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	27-FEB-25 11:49		
Receive Date:	28-FEB-25		
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	0.485	+/-0.441	0.724	1.00	pCi/L			DH1	03/28/25	1231	2761042	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.06	+/-0.491	0.585	1.00	pCi/L			RS2	03/28/25	1213	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.5	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25165	Project:	SOOP00119
Sample ID:	711428026	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 09:38		
Receive Date:	28-FEB-25		
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		0.998	+/-0.454	0.601	1.00	pCi/L			DH1	03/28/25	1231	2761042	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.832	+/-0.431	0.512	1.00	pCi/L			RS2	03/28/25	1213	2761179	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			64	(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 28, 2025

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

Client Sample ID:	AG25166	Project:	SOOP00119
Sample ID:	711428027	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 11:55		
Receive Date:	28-FEB-25		
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	0.474	+/-0.333	0.503	1.00	pCi/L			DH1	03/28/25	1231	2761042	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.878	+/-0.435	0.443	1.00	pCi/L			RS2	03/28/25	0855	2766323	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25172	Project:	SOOP00119
Sample ID:	711428028	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 10:55		
Receive Date:	28-FEB-25		
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	0.370	+/-0.342	0.555	1.00	pCi/L			DH1	03/28/25	1231	2761042	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.498	+/-0.360	0.513	1.00	pCi/L			RS2	03/28/25	0855	2766323	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			79	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25167	Project:	SOOP00119
Sample ID:	711428029	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 12:58		
Receive Date:	28-FEB-25		
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		1.19	+/-0.442	0.531	1.00	pCi/L			DH1	03/28/25	1232	2761042	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.42	+/-0.593	0.583	1.00	pCi/L			RS2	03/28/25	0855	2766323	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 28, 2025

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

Client Sample ID:	AG25168	Project:	SOOP00119
Sample ID:	711428030	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 12:40		
Receive Date:	28-FEB-25		
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	0.313	+/-0.547	0.952	1.00	pCi/L			DH1	03/28/25	1232	2761042	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.300	+/-0.255	0.360	1.00	pCi/L			RS2	03/28/25	0854	2766323	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			61.7	(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: March 28, 2025

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

Client Sample ID:	AG25169	Project:	SOOP00119
Sample ID:	711428031	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-FEB-25 13:45		
Receive Date:	28-FEB-25		
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		0.782	+/-0.511	0.765	1.00	pCi/L			DH1	03/28/25	1232	2761042	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.81	+/-0.681	0.695	1.00	pCi/L			RS2	03/28/25	0854	2766323	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			54.4	(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

QC Summary

Report Date: March 28, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **711428**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2761041										
QC1206027592 711428001 DUP										
Radium-228	U	0.703	U	0.521	pCi/L	N/A		N/A	DH1	03/27/25 13:36
	Uncertainty	+/-0.550		+/-0.579						
QC1206027593 LCS										
Radium-228	28.4			23.4	pCi/L		82.3	(75%-125%)		03/27/25 13:36
	Uncertainty			+/-1.81						
QC1206027591 MB										
Radium-228			U	-0.174	pCi/L					03/27/25 13:36
	Uncertainty			+/-0.432						
Batch 2761042										
QC1206027595 711428024 DUP										
Radium-228	U	0.451	U	0.767	pCi/L	N/A		N/A	DH1	03/28/25 12:31
	Uncertainty	+/-0.737		+/-0.633						
QC1206027596 LCS										
Radium-228	28.4			28.9	pCi/L		102	(75%-125%)		03/28/25 12:31
	Uncertainty			+/-1.60						
QC1206027594 MB										
Radium-228			U	0.0539	pCi/L					03/28/25 12:31
	Uncertainty			+/-0.216						
Rad Ra-226										
Batch 2761178										
QC1206027857 711428001 DUP										
Radium-226		0.574		0.766	pCi/L	28.6		(0% - 100%)	MJ2	03/26/25 11:07
	Uncertainty	+/-0.346		+/-0.380						
QC1206027860 LCS										
Radium-226	27.3			25.5	pCi/L		93.5	(75%-125%)		03/26/25 11:40
	Uncertainty			+/-2.25						
QC1206027855 MB										
Radium-226			U	0.126	pCi/L					03/26/25 11:07
	Uncertainty			+/-0.178						

QC Summary

Workorder: **711428**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Ra-226										
Batch 2761178										
QC1206027859 711428001 MS										
Radium-226	133	0.574		122	pCi/L		91.1	(75%-125%)	MJ2	03/26/25 11:40
	Uncertainty	+/-0.346		+/-10.5						
Batch 2761179										
QC1206027862 711428010 DUP										
Radium-226	U	0.153		0.395	pCi/L	88.4		(0% - 100%)	RS2	03/28/25 12:13
	Uncertainty	+/-0.318		+/-0.268						
QC1206027864 LCS										
Radium-226	27.1			28.4	pCi/L		105	(75%-125%)		03/28/25 12:13
	Uncertainty			+/-2.02						
QC1206027861 MB										
Radium-226				0.479	pCi/L					03/28/25 12:13
	Uncertainty			+/-0.325						
QC1206027863 711428010 MS										
Radium-226	128 U	0.153		146	pCi/L		114	(75%-125%)		03/28/25 12:13
	Uncertainty	+/-0.318		+/-11.1						
Batch 2766323										
QC1206046944 711428027 DUP										
Radium-226		0.878		1.24	pCi/L	34.2		(0% - 100%)	RS2	03/28/25 10:12
	Uncertainty	+/-0.435		+/-0.496						
QC1206038663 LCS										
Radium-226	27.2			21.2	pCi/L		78.1	(75%-125%)		03/28/25 10:51
	Uncertainty			+/-1.88						
QC1206038660 MB										
Radium-226			U	0.335	pCi/L					03/28/25 15:10
	Uncertainty			+/-0.328						
QC1206046945 711428027 MS										
Radium-226	136	0.878		113	pCi/L		82	(75%-125%)		03/28/25 15:10
	Uncertainty	+/-0.435		+/-9.40						

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

QC Summary

Workorder: **711428**

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

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
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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.

Technical Case Narrative
Santee Cooper
SDG #: 711428

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2758487

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

GEL Sample ID#	Client Sample Identification
711428001	AG25153
711428002	AG25129
711428003	AG25125
711428004	AG25135
711428005	AG25170
711428006	AG25171
711428007	AG25128
711428008	AG25130
711428009	AG25131
711428010	AG25132
711428011	AG25133
711428012	AG25134
711428013	AG25143
711428014	AG25142
711428015	AG25141
1206022213	Method Blank (MB)
1206022214	Laboratory Control Sample (LCS)
1206022215	711428001(AG25153) Sample Duplicate (DUP)
1206022216	711428001(AG25153) Post Spike (PS)
1206022217	711428010(AG25132) Sample Duplicate (DUP)
1206022218	711428010(AG25132) Post Spike (PS)

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

Sample Dilutions
The following samples 1206022215 (AG25153DUP), 1206022216 (AG25153PS), 711428001 (AG25153), 711428002 (AG25129), 711428003 (AG25125), 711428004 (AG25135), 711428005 (AG25170), 711428006 (AG25171), 711428007 (AG25128), 711428008 (AG25130), 711428009 (AG25131), 711428011 (AG25133), 711428012 (AG25134), 711428013 (AG25143), 711428014 (AG25142) and 711428015 (AG25141) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	711428									
	001	002	003	004	005	006	007	008	009	011
Chloride	20X	5X	50X	20X	1X	1X	5X	100X	50X	100X
Sulfate	20X	100X	50X	20X	5X	5X	5X	100X	50X	100X

Analyte	711428			
	012	013	014	015
Chloride	100X	50X	200X	250X
Sulfate	100X	50X	200X	250X

Sample Re-analysis
Samples 711428008 (AG25130) and 711428015 (AG25141) were re-analyzed to verify the results.

Miscellaneous Information

Manual Integrations
Samples 711428014 (AG25142) and 711428015 (AG25141) were manually integrated to correctly position the baseline as set in the calibration standards.

Product: Ion Chromatography
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2758488

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

GEL Sample ID#	Client Sample Identification
711428016	AG25162
711428017	AG25139
711428018	AG25140
711428019	AG25160
711428020	AG25161
711428021	AG25138
711428022	AG25177
711428023	AG25175
711428024	AG25176
711428025	AG25148
711428026	AG25165
711428027	AG25166
711428028	AG25172
711428029	AG25167
711428030	AG25168
711428031	AG25169
1206022219	Method Blank (MB)
1206022220	Laboratory Control Sample (LCS)
1206022221	711428020(AG25161) Sample Duplicate (DUP)
1206022222	711428020(AG25161) Post Spike (PS)
1206022223	711428026(AG25165) Sample Duplicate (DUP)
1206022224	711428026(AG25165) Post Spike (PS)

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

Sample Dilutions
The following samples 1206022221 (AG25161DUP), 1206022222 (AG25161PS), 1206022223 (AG25165DUP), 1206022224 (AG25165PS), 711428016 (AG25162), 711428017 (AG25139), 711428018 (AG25140), 711428019 (AG25160), 711428020 (AG25161), 711428021 (AG25138), 711428022 (AG25177), 711428023 (AG25175), 711428024 (AG25176), 711428025 (AG25148), 711428026 (AG25165), 711428027 (AG25166), 711428028 (AG25172), 711428029 (AG25167) and 711428031 (AG25169) were diluted because target analyte concentrations exceeded the calibration range. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	711428									
	016	**017**	**018**	**019**	**020**	**021**	**023**	**024**	**025**	**026**
Chloride	200X	250X	250X	50X	10X	100X	20X	20X	20X	2X
Sulfate	200X	250X	250X	50X	10X	100X	20X	20X	20X	50X

Analyte	711428			
	027	**028**	**029**	**031**
Chloride	1X	50X	25X	1X
Sulfate	20X	50X	25X	5X

Radiochemistry

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2761041

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

GEL Sample ID#	Client Sample Identification
711428001	AG25153
711428002	AG25129
711428003	AG25125
711428005	AG25170
711428006	AG25171
711428009	AG25131
711428010	AG25132
711428011	AG25133
711428012	AG25134
711428013	AG25143
711428014	AG25142
711428015	AG25141
711428016	AG25162
711428017	AG25139

711428018	AG25140
711428019	AG25160
711428020	AG25161
711428021	AG25138
711428022	AG25177
711428023	AG25175
1206027591	Method Blank (MB)
1206027592	711428001(AG25153) Sample Duplicate (DUP)
1206027593	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

Aliquot Reduced
1206027592 (AG25153DUP) and 711428001 (AG25153) Aliquots were reduced due to limited sample volume.

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2761042

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

GEL Sample ID#	Client Sample Identification
711428024	AG25176
711428025	AG25148
711428026	AG25165
711428027	AG25166
711428028	AG25172
711428029	AG25167
711428030	AG25168
711428031	AG25169
1206027594	Method Blank (MB)
1206027595	711428024(AG25176) Sample Duplicate (DUP)
1206027596	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

Aliquot Reduced
1206027595 (AG25176DUP) and 711428024 (AG25176) Aliquots were reduced due to limited sample volume.

Quality Control (QC) Information

RDL Met
The following RDL was met with rounding.

Sample	Analyte	Value
711428024 (AG25176)	Radium-228	Result 0.451 < MDA 1.28 > RDL 1 pCi/L

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2761178

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

GEL Sample ID#	Client Sample Identification
711428001	AG25153
711428002	AG25129
711428003	AG25125
711428005	AG25170
711428006	AG25171
711428009	AG25131
1206027855	Method Blank (MB)
1206027857	711428001(AG25153) Sample Duplicate (DUP)
1206027859	711428001(AG25153) Matrix Spike (MS)
1206027860	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

Aliquot Reduced
1206027859 (AG25153MS) Aliquot was reduced due to limited sample volume.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2761179

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

GEL Sample ID#	Client Sample Identification
711428010	AG25132
711428011	AG25133
711428012	AG25134
711428013	AG25143
711428014	AG25142
711428015	AG25141
711428016	AG25162
711428017	AG25139
711428018	AG25140
711428019	AG25160
711428020	AG25161
711428021	AG25138
711428022	AG25177
711428023	AG25175
711428024	AG25176
711428025	AG25148
711428026	AG25165
1206027861	Method Blank (MB)
1206027862	711428010(AG25132) Sample Duplicate (DUP)
1206027863	711428010(AG25132) Matrix Spike (MS)
1206027864	Laboratory Control Sample (LCS)

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

Data Summary:

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

Quality Control (QC) Information

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

Sample	Analyte	Value
1206027861 (MB)	Radium-226	Result: 0.479 pCi/L > MDA: 0.367 pCi/L <= RDL: 1.00 pCi/L

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

Analytical Batch: 2766323

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

GEL Sample ID#	Client Sample Identification
711428027	AG25166
711428028	AG25172
711428029	AG25167
711428030	AG25168
711428031	AG25169
1206038660	Method Blank (MB)
1206038663	Laboratory Control Sample (LCS)
1206046944	711428027(AG25166) Sample Duplicate (DUP)
1206046945	711428027(AG25166) Matrix Spike (MS)

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 1206046945 (AG25166MS) was recounted due to low recovery. The recount is reported. Sample 1206038660 (MB) was recounted due to a suspected blank false positive. The recount is reported.

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 3/25/25

711428

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 3 / 10 / 25 Send report to icwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged QC: (Yes) No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	F, Cl, SO4		
AG25153	WAP-22	2/27/25	1219	ATH SB	3	P	G	GW	2 & 1		2	1		
AG25129	WAP-7	2/25/25	1142	MDG SB	3	P	G	GW	2 & 1		2	1		

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

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

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI
- **Other Analysis:**
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

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

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	36851		GEL	2/28/25	0925
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	GEL	McMahon	GEL	2-28-25	1543
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

RAD 3/28/25

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 3 / 10 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com **Date Results Needed by:** ___/___/___ **Project/Task/Unit #:** 125915 / JM02.08.GB1.3 / 36500 **Rerun request for any flagged QC** (Yes) No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite(C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	F, Cl, SO4	Cl, SO4	
AG25125	WAP-3	2/24/25	1115	ATH SB	3	P	G	GW	2, 1		2	1	0	
AG25135	WAP-11	2/24/25	1003	"	1	P	G	GW	1		0	0	1	
AG25170	WLF-A1-4	2/27/25	0934	"	3	"	"	"	2, 1		2	1	0	
AG25171	WLF-A1-4 DUP	"	0939	"	3	"	"	"	2, 1		2	1	0	
AG25128	WAP-6	2/25/25	1036	MDG SB	1	"	"	"	1		0	0	1	
AG25130	WAP-8	"	1245	"	1	"	"	"	1		0	0	1	
AG25131	WAP-9	"	1521	"	3	"	"	"	2, 1		2	1	0	
32	WAP-9F	"	1456	"	3	"	"	"	"		2	1	0	
33	WAP-10	"	1345	"	3	"	"	"	"		2	1	0	
34	WAP-10 DUP	"	1350	"	3	"	"	"	"		2	1	0	

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

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

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI
- Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

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

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	36851		GEL	2/28/25	0825
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	664		GEL	2.28.25	1545
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

RAD - 3/25/25

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 3 / 10 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged QC: (Yes) No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite(C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	F, Cl, SO4		
AG25143	WAP-14C	2/20/25	1144	ATH DCA	3	P	G	GW	2+1		2	1		
42	WAP-14B		1320		3						2	1		
41	WAP-14A		1400		3						2	1		
AG25162	WAP-29		0907		3						2	1		
39	WAP-14		1012		3						2	1		
40	WAP-14 DUP		1017		3						2	1		
AG25160	WAP-28	2/24/25	1211	ATH SB	3				2+1		2	1		
61	WAP-28R		1249		3						2	1		
38	WAP-13		1341		3						2	1		

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

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

Coal
- Short Prox.
  - % Moisture
  - Ash
  - Sulfur
- BTUs
- Ultimate
- Volatile Matter
- CHN
- HGI
- Other Analysis:
- Fineness
- Particulate Matter

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

NPDES
- Oil & Grease
- As
- TSS

Oil
- Trans. Oil Quality
  - %Moisture
  - Color
  - Acidity
  - Dielectric Strength
  - IFT
  - Dissolved Gases
- Used Oil
  - Flashpoint
  - Metals (As, Cd, Cr, Ni, Pb, Hg)
- GOFER

MISC.
- BTEX
- Naphthalene
- VOA/Semi
- Oil & Grease
- E. Coli
- Total Coliform
- pH
- Dissolved As
- Dissolved Fe
- Rad 226
- Rad 228
- PCB

Metals (All)

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

RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	36851		GEL	GEL 2/28/25 2/25/25	0925 (TH)
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	GEL		GEL	2-26-25	1545
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

RAD - 3/28/25

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 3 / 10 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com **Date Results Needed by:** ___/___/___ **Project/Task/Unit #:** 125915 / JM02.08.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 • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	F, Cl, SO4		
AG25177	WLF-A2-6F	2/27/25	1006	ATH SB	3	P	G	GW	2+1		2	1		
75	WLF-A2-6		1042		3						2	1		
76	WLF-A2-6 DUP		1047		3						2	1		
48	WAP-18		1149		3						2	1		
AG25165	WBW-A1-1	2/26/25	0938	BWM SB	3	P	G	GW	2+1		2	1		
66	WLF-A1-1		1155		3						2	1		
72	WLF-A1-5		1055		3						2	1		
67	WLF-A1-2		1258		3						2	1		
68	WLF-A1-2F		1240		3						2	1		
69	WLF-A1-3		1345		3						2	1		

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

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	36851		GEL	2/28/25	0925
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	GEL		GEL	2-28-25	1545
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOP | SDG/AR/COC/Work Order: 711428 | GEL PM: JR

Received By: CLM | Date Received at GEL: 2/28/25

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other: | IR Temp gun # IR5-23 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
(noice) Cooler 1	24°				
2	0°				
(noice) 3	17°	✓			

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

Sample Receipt Criteria		Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?			✓	Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (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 IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials MG Date 3/3/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 28 March 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

July 29, 2025

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

Re: ABS Lab Analytical
Work Order: 731146

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 01, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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: 125915/JM02.08.G01.3/36110
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: 731146 GEL Work Order: 731146

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

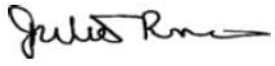
** Analyte is a surrogate compound

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: July 29, 2025

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

Client Sample ID:	AG36881	Project:	SOOP00119
Sample ID:	731146001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-JUN-25 10:58		
Receive Date:	01-JUL-25		
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		2.40	+/-0.585	0.532	1.00	pCi/L			HH3	07/11/25	0938	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		4.86	+/-1.03	0.517	1.00	pCi/L			RS2	07/13/25	0833	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.8	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36882	Project:	SOOP00119
Sample ID:	731146002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-JUN-25 11:03		
Receive Date:	01-JUL-25		
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		2.58	+/-0.609	0.691	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.56	+/-0.535	0.535	1.00	pCi/L			RS2	07/13/25	0833	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			83.2	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 29, 2025

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

Client Sample ID:	AG36880	Project:	SOOP00119
Sample ID:	731146003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-JUN-25 13:11		
Receive Date:	01-JUL-25		
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		0.908	+/-0.426	0.582	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.899	+/-0.475	0.507	1.00	pCi/L			RS2	07/13/25	0833	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.9	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36874	Project:	SOOP00119
Sample ID:	731146004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-JUN-25 14:24		
Receive Date:	01-JUL-25		
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		3.21	+/-0.828	0.985	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.53	+/-0.489	0.356	1.00	pCi/L			RS2	07/13/25	0833	2824332	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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: July 29, 2025

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

Client Sample ID:	AG36875	Project:	SOOP00119
Sample ID:	731146005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-JUN-25 15:33		
Receive Date:	01-JUL-25		
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		0.949	+/-0.456	0.659	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.92	+/-0.566	0.319	1.00	pCi/L			RS2	07/13/25	0833	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			78.2	(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: July 29, 2025

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

Client Sample ID:	AG36916	Project:	SOOP00119
Sample ID:	731146006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-JUN-25 09:49		
Receive Date:	01-JUL-25		
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		0.568	+/-0.369	0.557	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.27	+/-0.447	0.295	1.00	pCi/L			RS2	07/13/25	0833	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			79.7	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36917	Project:	SOOP00119
Sample ID:	731146007	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-JUN-25 09:54		
Receive Date:	01-JUL-25		
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	0.699	+/-0.469	0.733	1.00	pCi/L			HH3	07/11/25	0938	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.610	+/-0.317	0.292	1.00	pCi/L			RS2	07/13/25	0833	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			84.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
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 29, 2025

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

Client Sample ID:	AG36915	Project:	SOOP00119
Sample ID:	731146008	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-JUN-25 11:00		
Receive Date:	01-JUL-25		
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		0.835	+/-0.452	0.654	1.00	pCi/L			HH3	07/11/25	0938	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.62	+/-0.535	0.335	1.00	pCi/L			RS2	07/13/25	0833	2824332	2

The following Analytical Methods were performed:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36913	Project:	SOOP00119
Sample ID:	731146009	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-JUN-25 11:59		
Receive Date:	01-JUL-25		
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		0.729	+/-0.351	0.482	1.00	pCi/L			HH3	07/11/25	0938	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.745	+/-0.516	0.753	1.00	pCi/L			RS2	07/13/25	0905	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			80.9	(15%-125%)

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

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 29, 2025

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

Client Sample ID:	AG36918	Project:	SOOP00119
Sample ID:	731146010	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	24-JUN-25 13:04		
Receive Date:	01-JUL-25		
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	0.197	+/-0.400	0.702	1.00	pCi/L			HH3	07/11/25	0938	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.945	+/-0.423	0.435	1.00	pCi/L			RS2	07/13/25	0905	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
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 29, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **731146**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2822944										
QC1206157292 LCS										
Radium-228	27.5			29.1	pCi/L		106	(75%-125%)	HH3	07/11/25 09:40
	Uncertainty			+/-1.56						
QC1206158814 LCSD										
Radium-228	27.5			33.3	pCi/L	13.7	121	(0%-20%)		07/11/25 09:40
	Uncertainty			+/-1.95						
QC1206157290 MB										
Radium-228				0.798	pCi/L					07/11/25 09:40
	Uncertainty			+/-0.383						
Rad Ra-226										
Batch 2824332										
QC1206159774 731146001 DUP										
Radium-226		4.86		3.77	pCi/L	25.2 *		(0%-20%)	RS2	07/13/25 09:37
	Uncertainty	+/-1.03		+/-0.776						
QC1206159776 LCS										
Radium-226	27.1			26.9	pCi/L		99	(75%-125%)		07/13/25 09:37
	Uncertainty			+/-2.34						
QC1206159773 MB										
Radium-226			U	0.282	pCi/L					07/13/25 09:37
	Uncertainty			+/-0.344						
QC1206159775 731146001 MS										
Radium-226	133	4.86		128	pCi/L		92.4	(75%-125%)		07/13/25 09:37
	Uncertainty	+/-1.03		+/-9.77						

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

QC Summary

Workorder: **731146**

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

<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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 #: 731146

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2822944

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

GEL Sample ID#	Client Sample Identification
731146001	AG36881
731146002	AG36882
731146003	AG36880
731146004	AG36874
731146005	AG36875
731146006	AG36916
731146007	AG36917
731146008	AG36915
731146009	AG36913
731146010	AG36918
1206157290	Method Blank (MB)
1206157292	Laboratory Control Sample (LCS)
1206158814	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
1206157290 (MB)	Radium-228	Result: 0.798 pCi/L > MDA: 0.518 pCi/L <= RDL: 1.00 pCi/L

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2824332

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

GEL Sample ID#	Client Sample Identification
731146001	AG36881
731146002	AG36882
731146003	AG36880
731146004	AG36874
731146005	AG36875
731146006	AG36916
731146007	AG36917
731146008	AG36915
731146009	AG36913
731146010	AG36918
1206159773	Method Blank (MB)
1206159774	731146001(AG36881) Sample Duplicate (DUP)
1206159775	731146001(AG36881) Matrix Spike (MS)
1206159776	Laboratory Control Sample (LCS)

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

Data Summary:

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

Quality Control (QC) Information

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

Sample	Analyte	Value
1206159774 (AG36881DUP)	Radium-226	RPD 25.2* (0.00%-20.00%) RER 1.24 (0-3)

Miscellaneous Information

Additional Comments
The matrix spike, 1206159775 (AG36881MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): ___/___/___ Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

731146

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

Customer Email/Report Recipient: LINDA.WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.GB1.3 / 36110

Rerun request for any flagged Q (Yes) No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottletype: (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			
AG36881	WAP-10	6/26/25	1058	AGP EA		P	G	GW	2		X			
AG36882	WAP-10 DUP		1103											
AG36880	WAP-9		1311											
AG36874	WAP-3		1424											
AG36875	WAP-4		1533											
AG36916	WLF-A1-4	6/24/25	0949											
AG36917	WLF-A1-4 DUP		0954											
AG36915	WLF-A1-3		1100											
AG36913	WLF-A1-1		1159											
AG36918	WLF-A1-5		1304											

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

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

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI
- **Other Analysis:**
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

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

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy	35594	DLP	GEL	7/1/25	0950
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
DLP	GEL	Ken	GEL	7-1-25	1620
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
Relinquished by:	Employee #	Received by:	Employee #	Date	Time

Sample Receiving (Internal Use Only)

TEMP (°C): ___

Initials: ___

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative codes: 1=HNO3 2=NaOH 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP | SDG/AR/COC/Work Order: | GEL PM:

Received By: KE | Date Received at GEL: 070125

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-24 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
COOLER	2°				
COOLER	22°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (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 IDs and containers affected:
7	Samples received within holding time?			✓	IDs and tests affected: 24 Ammonia test 125 plastic ml
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments: DUP containers AG33120-DUP and AG33676-DUP do not have times

PM (or PMA) review: Initials CR Date 7/2/25

☐ Confirmation Form Required when selected

List of current GEL Certifications as of 29 July 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

July 29, 2025

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

Re: ABS Lab Analytical
Work Order: 731157

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 01, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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: 125915/JM02.09.G01.1/36500
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: 731157 GEL Work Order: 731157

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

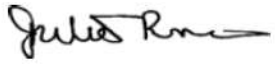
** Analyte is a surrogate compound

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: July 29, 2025

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

Client Sample ID:	AG36902	Project:	SOOP00119
Sample ID:	731157001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	26-JUN-25 12:09		
Receive Date:	01-JUL-25		
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	0.493	+/-0.409	0.634	1.00	pCi/L			HH3	07/11/25	0938	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.331	+/-0.342	0.529	1.00	pCi/L			RS2	07/13/25	0905	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			65.5	(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: July 29, 2025

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

Client Sample ID:	AG36872	Project:	SOOP00119
Sample ID:	731157002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-JUN-25 14:22		
Receive Date:	01-JUL-25		
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		1.39	+/-0.563	0.737	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.55	+/-0.661	0.401	1.00	pCi/L			RS2	07/13/25	0905	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			58.9	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36928	Project:	SOOP00119
Sample ID:	731157003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-JUN-25 14:27		
Receive Date:	01-JUL-25		
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	0.00676	+/-0.497	0.977	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.437	+/-0.342	0.483	1.00	pCi/L			RS2	07/13/25	0905	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			35.9	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36873	Project:	SOOP00119
Sample ID:	731157004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-JUN-25 15:11		
Receive Date:	01-JUL-25		
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		1.81	+/-0.652	0.818	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.91	+/-0.760	0.464	1.00	pCi/L			RS2	07/13/25	0905	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			58.1	(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: July 29, 2025

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

Client Sample ID:	AG36911	Project:	SOOP00119
Sample ID:	731157005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-JUN-25 09:47		
Receive Date:	01-JUL-25		
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		1.99	+/-0.527	0.563	1.00	pCi/L			HH3	07/11/25	0938	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.248	+/-0.304	0.509	1.00	pCi/L			RS2	07/13/25	0905	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			77.8	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36871	Project:	SOOP00119
Sample ID:	731157006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-JUN-25 10:46		
Receive Date:	01-JUL-25		
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	0.513	+/-0.504	0.827	1.00	pCi/L			HH3	07/11/25	1121	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.63	+/-0.616	0.564	1.00	pCi/L			RS2	07/13/25	0905	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			63.4	(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: July 29, 2025

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

Client Sample ID:	AG36878	Project:	SOOP00119
Sample ID:	731157007	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-JUN-25 12:15		
Receive Date:	01-JUL-25		
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		1.11	+/-0.515	0.736	1.00	pCi/L			HH3	07/11/25	0938	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.421	+/-0.330	0.466	1.00	pCi/L			RS2	07/13/25	0937	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			78	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36914	Project:	SOOP00119
Sample ID:	731157008	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-JUN-25 13:23		
Receive Date:	01-JUL-25		
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		0.928	+/-0.397	0.493	1.00	pCi/L			HH3	07/11/25	0939	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.28	+/-0.476	0.430	1.00	pCi/L			RS2	07/13/25	0937	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			75.6	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: July 29, 2025

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

Client Sample ID:	AG36930	Project:	SOOP00119
Sample ID:	731157009	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	25-JUN-25 13:28		
Receive Date:	01-JUL-25		
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		1.07	+/-0.657	0.990	1.00	pCi/L			HH3	07/11/25	0940	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.591	+/-0.408	0.514	1.00	pCi/L			RS2	07/13/25	0937	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			51.5	(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: July 29, 2025

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

Client Sample ID:	AG36912	Project:	SOOP00119
Sample ID:	731157010	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	23-JUN-25 15:28		
Receive Date:	01-JUL-25		
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		1.09	+/-0.540	0.774	1.00	pCi/L			HH3	07/11/25	0939	2822944	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.606	+/-0.363	0.447	1.00	pCi/L			RS2	07/13/25	0937	2824332	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			69.8	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 29, 2025

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

Workorder: **731157**

Parmname			NOM	Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Rad Gas Flow													
Batch 2822944													
QC1206157292	LCS												
Radium-228			27.5			29.1	pCi/L			106	(75%-125%)	HH3	07/11/25 09:40
			Uncertainty			+/-1.56							
QC1206158814	LCSD												
Radium-228			27.5			33.3	pCi/L	13.7		121	(0%-20%)		07/11/25 09:40
			Uncertainty			+/-1.95							
QC1206157290	MB												
Radium-228						0.798	pCi/L						07/11/25 09:40
			Uncertainty			+/-0.383							
Rad Ra-226													
Batch 2824332													
QC1206159774	731146001	DUP											
Radium-226				4.86		3.77	pCi/L	25.2	*		(0%-20%)	RS2	07/13/25 09:37
			Uncertainty	+/-1.03		+/-0.776							
QC1206159776	LCS												
Radium-226			27.1			26.9	pCi/L			99	(75%-125%)		07/13/25 09:37
			Uncertainty			+/-2.34							
QC1206159773	MB												
Radium-226					U	0.282	pCi/L						07/13/25 09:37
			Uncertainty			+/-0.344							
QC1206159775	731146001	MS											
Radium-226			133	4.86		128	pCi/L			92.4	(75%-125%)		07/13/25 09:37
			Uncertainty	+/-1.03		+/-9.77							

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

QC Summary

Workorder: **731157**

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

<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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 #: 731157

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2822944

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

GEL Sample ID#	Client Sample Identification
731157001	AG36902
731157002	AG36872
731157003	AG36928
731157004	AG36873
731157005	AG36911
731157006	AG36871
731157007	AG36878
731157008	AG36914
731157009	AG36930
731157010	AG36912
1206157290	Method Blank (MB)
1206157292	Laboratory Control Sample (LCS)
1206158814	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
1206157290 (MB)	Radium-228	Result: 0.798 pCi/L > MDA: 0.518 pCi/L <= RDL: 1.00 pCi/L

Technical Information

Recounts
Sample 731157006 (AG36871) was recounted due to results more negative than the three sigma TPU. The second count is reported.

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2824332

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

GEL Sample ID#	Client Sample Identification
731157001	AG36902
731157002	AG36872
731157003	AG36928
731157004	AG36873
731157005	AG36911
731157006	AG36871
731157007	AG36878
731157008	AG36914
731157009	AG36930
731157010	AG36912
1206159773	Method Blank (MB)
1206159774	731146001(AG36881) Sample Duplicate (DUP)
1206159775	731146001(AG36881) Matrix Spike (MS)
1206159776	Laboratory Control Sample (LCS)

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

Data Summary:

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

Quality Control (QC) Information

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

Sample	Analyte	Value
1206159774 (AG36881DUP)	Radium-226	RPD 25.2* (0.00%-20.00%) RER 1.24 (0-3)

Miscellaneous Information

Additional Comments
The matrix spike, 1206159775 (AG36881MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): ___/___/___ Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

731157

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

Customer Email/Report Recipient: LINDA.WILLIAMS@santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.09.GP1.1 / 36500

Rerun request for any flagged Q: (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			
AG36902	WAP-24	6/26/25	1209	AGP EA		P	G	GW	2		X			
AG36872	WAP-2	6/25/25	1422											
AG36928	WAP-2F		1427											
AG36873	WAP-2R		1511											
AG36911	WBW-1		0947											
AG36871	WAP-1		1046											
AG36878	WAP-7		1215											
AG36914	WLF-A1-2	6/25/25	1323											
AG36930	WLF-A1-2F		1328											
AG36912	WBW-A1-1	6/23/25	1328											

Metals
- Arsenic
- Boron
- Calcium
- Chloride
- Chromium
- Fluoride
- Iron
- Lead
- Lithium
- Magnesium
- Manganese
- Mercury
- Molybdenum
- Nickel
- Potassium
- Selenium
- Silver
- Sodium
- Strontium
- Sulfate
- Thallium
- Vanadium
- Zinc

Cyanide
- Available
- Total
- Amenable
- Sulfide
- Oil & Grease
- Phenolics
- Solids
- pH
- Chloride
- Fluoride
- Sulfate
- TSS

Coal
- Short Prox.
  - % Moisture
  - Ash
  - Sulfur
  - BTUs
- Ultimate
  - Volatile Matter
  - CHN
  - HGI
- Other Analysis:
  - Fineness
  - Particulate Matter

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

NPDES
- Oil & Grease
- As
- TSS

Radionuclides
- Gross Alpha
- Gross Beta
- Ra 226
- Ra 228
- Th 230
- Th 232
- U 234
- U 235
- U 238

MISC.
- BTEX
- Naphthalene
- VOA/Semi
- Oil & Grease
- E. Coli
- Total Coliform
- pH
- Dissolved As
- Dissolved Fe
- Rad 226
- Rad 228
- PCB

Dissolved Gas
- Ar
- CH4
- CO2
- C2H4
- C2H6
- H2
- N2
- O2

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy	35594	[signature]	GEL	7/1/25	0950
[signature]	GEL	[signature]	GEL	7.1.25	1620/1650

Sample Receiving (Internal Use Only)

TEMP (°C): ___

Initials: ___

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP	SDG/AR/COC/Work Order:	GEL PM:
Received By: KE	Date Received at GEL: 070125	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-24 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
COOLER	2°				
COOLER	22°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (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 IDs and containers affected:
7	Samples received within holding time?			✓	IDs and tests affected: 24 Ammonia test 125 plastic ml
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments: DUP containers AG33120-DUP and AG33676-DUP do not have times

PM (or PMA) review: Initials CR Date 7/2/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 29 July 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

April 04, 2025

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

Re: ABS Lab Analytical
Work Order: 712960

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 07, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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,

Max Gloth for
Julie Robinson
Project Manager

Purchase Order: 125915/JM02.08.G01.1/36500
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: 712960 GEL Work Order: 712960

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 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 Max Gloth

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

Certificate of Analysis

Report Date: April 4, 2025

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

Client Sample ID:	AG25173	Project:	SOOP00119
Sample ID:	712960001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 10:04		
Receive Date:	07-MAR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	U	0.0330	0.0330	0.100	mg/L		1	CH6	03/08/25	2127	2762349	1
Chloride		45.0	1.34	4.00	mg/L		20	CH6	03/10/25	1534	2762349	2
Sulfate		242	2.66	8.00	mg/L		20					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: April 4, 2025

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

Client Sample ID:	AG25174	Project:	SOOP00119
Sample ID:	712960002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 11:03		
Receive Date:	07-MAR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Fluoride	U	0.0330	0.0330	0.100	mg/L		1	CH6	03/08/25	2158	2762349	1
Chloride		31.3	1.34	4.00	mg/L		20	CH6	03/10/25	1605	2762349	2
Sulfate		248	2.66	8.00	mg/L		20					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: April 4, 2025

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

Client Sample ID:	AG25146	Project:	SOOP00119
Sample ID:	712960003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 12:00		
Receive Date:	07-MAR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		226	6.70	20.0	mg/L		100	CH6	03/08/25	2229	2762349	1
Sulfate		749	13.3	40.0	mg/L		100					
Fluoride	U	0.0660	0.0660	0.200	mg/L		2	CH6	03/10/25	1636	2762349	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: April 4, 2025

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

Client Sample ID:	AG25147	Project:	SOOP00119
Sample ID:	712960004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 12:05		
Receive Date:	07-MAR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		221	6.70	20.0	mg/L		100	CH6	03/08/25	2300	2762349	1
Sulfate		759	13.3	40.0	mg/L		100					
Fluoride	U	0.0660	0.0660	0.200	mg/L		2	CH6	03/10/25	1707	2762349	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: April 4, 2025

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

Client Sample ID: AG25149
Sample ID: 712960005
Matrix: GW
Collect Date: 04-MAR-25 14:05
Receive Date: 07-MAR-25
Collector: Client

Project: SOOP00119
Client ID: SOOP001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Sulfate		1550	26.6	80.0	mg/L		200	CH6	03/08/25	2331	2762349	1
Chloride		45.5	0.335	1.00	mg/L		5	CH6	03/10/25	1738	2762349	2
Fluoride	J	0.450	0.165	0.500	mg/L		5					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: April 4, 2025

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

Client Sample ID:	AG25150	Project:	SOOP00119
Sample ID:	712960006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 14:10		
Receive Date:	07-MAR-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		0.506	0.0670	0.200	mg/L		1	CH6	03/09/25	0001	2762349	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate	U	0.133	0.133	0.400	mg/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

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

QC Summary

Report Date: April 4, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **712960**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2762349												
QC1206030019 712960006 DUP												
Chloride			0.506		0.508	mg/L	0.414	^		(+/-0.200)	CH6	03/09/25 01:34
Fluoride		U	0.0330	U	0.0330	mg/L	N/A					
Sulfate		U	0.133	U	0.133	mg/L	N/A					
QC1206030016 LCS												
Chloride	5.00				4.60	mg/L			92	(90%-110%)		03/08/25 17:20
Fluoride	2.50				2.42	mg/L			96.7	(90%-110%)		
Sulfate	10.0				9.67	mg/L			96.7	(90%-110%)		
QC1206030015 MB												
Chloride				U	0.0670	mg/L						03/08/25 16:50
Fluoride				U	0.0330	mg/L						
Sulfate				U	0.133	mg/L						
QC1206030020 712960006 PS												
Chloride	5.00		0.506		5.17	mg/L			93.4	(90%-110%)		03/09/25 03:05
Fluoride	2.50	U	0.000		2.51	mg/L			100	(90%-110%)		
Sulfate	10.0	U	0.000		9.79	mg/L			97.9	(90%-110%)		

QC Summary

Workorder: **712960**

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

Notes:

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
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
N1	See case narrative
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

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.

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

Certificate of Analysis

Report Date: April 4, 2025

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

Client Sample ID:	AG25173	Project:	SOOP00119
Sample ID:	712960001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 10:04		
Receive Date:	07-MAR-25		
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		1.25	+/-0.579	0.859	1.00	pCi/L			HH3	04/01/25	0922	2763857	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.89	+/-0.571	0.328	1.00	pCi/L			RS2	04/03/25	1121	2770370	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.2	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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: April 4, 2025

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

Client Sample ID:	AG25174	Project:	SOOP00119
Sample ID:	712960002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 11:03		
Receive Date:	07-MAR-25		
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		1.35	+/-0.594	0.858	1.00	pCi/L			HH3	04/01/25	0923	2763857	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.348	+/-0.269	0.333	1.00	pCi/L			RS2	04/03/25	1121	2770370	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			75.8	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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: April 4, 2025

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

Client Sample ID:	AG25146	Project:	SOOP00119
Sample ID:	712960003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 12:00		
Receive Date:	07-MAR-25		
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		1.54	+/-0.566	0.776	1.00	pCi/L			HH3	04/01/25	0923	2763857	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.51	+/-0.473	0.282	1.00	pCi/L			RS2	04/03/25	1121	2770370	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
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: April 4, 2025

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

Client Sample ID:	AG25147	Project:	SOOP00119
Sample ID:	712960004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 12:05		
Receive Date:	07-MAR-25		
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		1.11	+/-0.395	0.459	1.00	pCi/L			HH3	04/01/25	0923	2763857	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.21	+/-0.446	0.308	1.00	pCi/L			RS2	04/03/25	1121	2770370	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
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: April 4, 2025

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

Client Sample ID:	AG25149	Project:	SOOP00119
Sample ID:	712960005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 14:05		
Receive Date:	07-MAR-25		
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		0.832	+/-0.362	0.455	1.00	pCi/L			HH3	04/01/25	0923	2763857	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.636	+/-0.356	0.348	1.00	pCi/L			RS2	04/03/25	1121	2770370	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
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: April 4, 2025

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

Client Sample ID:	AG25150	Project:	SOOP00119
Sample ID:	712960006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	04-MAR-25 14:10		
Receive Date:	07-MAR-25		
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	0.514	+/-0.419	0.664	1.00	pCi/L			HH3	04/01/25	0923	2763857	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.728	+/-0.385	0.410	1.00	pCi/L			RS2	04/03/25	1218	2770370	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			69.2	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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: April 4, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **712960**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2763857										
QC1206033539 712960001 DUP										
Radium-228		1.25		1.77	pCi/L	34.6		(0% - 100%)	HH3	04/01/25 09:23
	Uncertainty	+/-0.579		+/-0.640						
QC1206033540 LCS										
Radium-228	28.4			29.4	pCi/L		104	(75%-125%)		04/01/25 09:23
	Uncertainty			+/-1.66						
QC1206033538 MB										
Radium-228				0.647	pCi/L					04/01/25 09:24
	Uncertainty			+/-0.363						
Rad Ra-226										
Batch 2770370										
QC1206046985 712960002 DUP										
Radium-226		0.348		0.370	pCi/L	6.3		(0% - 100%)	RS2	04/03/25 12:53
	Uncertainty	+/-0.269		+/-0.268						
QC1206046984 LCS										
Radium-226	27.2			26.0	pCi/L		95.3	(75%-125%)		04/03/25 12:53
	Uncertainty			+/-1.98						
QC1206046981 MB										
Radium-226			U	0.0887	pCi/L					04/03/25 12:53
	Uncertainty			+/-0.369						
QC1206046986 712960002 MS										
Radium-226	133	0.348		103	pCi/L		77	(75%-125%)		04/03/25 15:55
	Uncertainty	+/-0.269		+/-8.60						

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

QC Summary

Workorder: **712960**

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

<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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.

Technical Case Narrative
Santee Cooper
SDG #: 712960

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2762349

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

GEL Sample ID#	Client Sample Identification
712960001	AG25173
712960002	AG25174
712960003	AG25146
712960004	AG25147
712960005	AG25149
712960006	AG25150
1206030015	Method Blank (MB)
1206030016	Laboratory Control Sample (LCS)
1206030019	712960006(AG25150) Sample Duplicate (DUP)
1206030020	712960006(AG25150) Post Spike (PS)

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

Sample Dilutions
The following samples 712960001 (AG25173), 712960002 (AG25174) and 712960005 (AG25149) were diluted because target analyte concentrations exceeded the calibration range. Samples 712960003 (AG25146), 712960004 (AG25147) and 712960005 (AG25149) were diluted to minimize matrix effects on instrument performance. Sample 712960005 (AG25149) was diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	712960				
	001	002	003	004	005
Chloride	20X	20X	100X	100X	5X
Fluoride	1X	1X	2X	2X	5X
Sulfate	20X	20X	100X	100X	200X

Radiochemistry

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2763857

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

GEL Sample ID#	Client Sample Identification
712960001	AG25173
712960002	AG25174
712960003	AG25146
712960004	AG25147
712960005	AG25149
712960006	AG25150
1206033538	Method Blank (MB)
1206033539	712960001(AG25173) Sample Duplicate (DUP)
1206033540	Laboratory Control Sample (LCS)

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

Data Summary:

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

Quality Control (QC) Information

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

Sample	Analyte	Value
1206033538 (MB)	Radium-228	Result: 0.647 pCi/L > MDA: 0.528 pCi/L <= RDL: 1.00 pCi/L

Product: **Lucas Cell, Ra226, Liquid**
Analytical Method: EPA 903.1 Modified
Analytical Procedure: GL-RAD-A-008 REV# 15
Analytical Batch: 2770370

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

GEL Sample ID#	Client Sample Identification
712960001	AG25173
712960002	AG25174
712960003	AG25146
712960004	AG25147
712960005	AG25149
712960006	AG25150
1206046981	Method Blank (MB)
1206046984	Laboratory Control Sample (LCS)

1206046985	712960002(AG25174) Sample Duplicate (DUP)
1206046986	712960002(AG25174) Matrix Spike (MS)

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 1206046986 (AG25174MS) was recounted due to low recovery. The recount is reported.

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 - 4/4/25

712960

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 3 / 17 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA. WILLIAMS @santeecooper.com Date Results Needed by: ___/___/___ Project/Task/Unit #: 125915 / JM02.08.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	RAD 226/228	F, Cl, SO4		
AG25173	WLF-A2-1	3/4/25	1004	BM/DA	3	P	G	GW	2+1		2	1		
74	WLF-A2-2	"	1103	"	3	P	"	"	"		2	1		
46	WAP-17	"	1200	"	3	P	"	"	"		2	1		
47	WAP-17 DUP	"	1205	"	3	P	"	"	"		2	1		
49	WAP-19	"	1405	"	3	P	"	"	"		2	1		
50	WAP-19F	"	1410	"	3	P	"	"	"		2	1		

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

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

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs

Ultimate
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI

Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

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

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
[signature]	36857	M. [signature]	GEL	3/7/25	0841
M. [signature]	GEL	Erin [signature]	GEL	3.7.25	1529

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code: 1=≤4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP	**SDG/AR/COC/Work Order:** 712960	**GEL PM:**
Received By: EG	**Date Received at GEL:** 3/7/25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-24 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
	9	✓			

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?			✓	Preservation Method: Wet Ice Ice Packs Dry Ice (None) Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (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 IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?	✓			
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials ____ Date 3/11/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 04 April 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

March 24, 2025

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

Re: ABS Lab Analytical
Work Order: 710235

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 21, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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: 125915/JM02.09.G01.1/36500
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: 710235 GEL Work Order: 710235

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

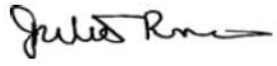
J Value is estimated

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 

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25164	Project:	SOOP00119
Sample ID:	710235001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 11:18		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		2.73	0.0670	0.200	mg/L		1	CH6	02/22/25	1126	2754790	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate		6.56	0.133	0.400	mg/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25121	Project:	SOOP00119
Sample ID:	710235002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 12:29		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Sulfate		41.4	13.3	40.0	mg/L		100	CH6	02/21/25	2130	2754790	1
Chloride		8.58	0.0670	0.200	mg/L		1	CH6	02/22/25	1156	2754790	2
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25122	Project:	SOOP00119
Sample ID:	710235003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 14:09		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		86.6	6.70	20.0	mg/L		100	CH6	02/21/25	2201	2754790	1
Sulfate		175	13.3	40.0	mg/L		100					
Fluoride	J	0.0854	0.0330	0.100	mg/L		1	CH6	02/22/25	1227	2754790	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25123	Project:	SOOP00119
Sample ID:	710235004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 13:45		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride	U	0.0670	0.0670	0.200	mg/L		1	CH6	02/22/25	1258	2754790	1
Fluoride	U	0.0330	0.0330	0.100	mg/L		1					
Sulfate	U	0.133	0.133	0.400	mg/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

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: March 24, 2025

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

Client Sample ID:	AG25124	Project:	SOOP00119
Sample ID:	710235005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 15:40		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		246	6.70	20.0	mg/L		100	CH6	02/22/25	0005	2754790	1
Sulfate		329	13.3	40.0	mg/L		100					
Fluoride	J	0.0653	0.0330	0.100	mg/L		1	CH6	02/22/25	1329	2754790	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 24, 2025

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

Client Sample ID:	AG25145	Project:	SOOP00119
Sample ID:	710235006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	19-FEB-25 09:33		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		260	6.70	20.0	mg/L		100	CH6	02/22/25	0035	2754790	1
Sulfate		264	13.3	40.0	mg/L		100					
Fluoride		0.198	0.0330	0.100	mg/L		1	CH6	02/22/25	1400	2754790	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 24, 2025

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

Client Sample ID:	AG25144	Project:	SOOP00119
Sample ID:	710235007	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	19-FEB-25 11:33		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		823	13.4	40.0	mg/L		200	CH6	02/22/25	0106	2754790	1
Sulfate		486	26.6	80.0	mg/L		200					
Fluoride		0.345	0.0330	0.100	mg/L		1	CH6	02/22/25	0341	2754790	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

Notes:

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25127	Project:	SOOP00119
Sample ID:	710235008	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	19-FEB-25 10:45		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Chloride, Liquid "As Received"												
Chloride		28.5	6.70	20.0	mg/L		100	CH6	02/22/25	0137	2754790	1
Sulfate	J	0.262	0.133	0.400	mg/L		1	CH6	02/22/25	1431	2754790	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	
2	EPA 300.0	

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: March 24, 2025

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

Client Sample ID:	AG25126	Project:	SOOP00119
Sample ID:	710235009	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	19-FEB-25 12:30		
Receive Date:	21-FEB-25		
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Ion Chromatography												
EPA 300.0 Fluoride, Liquid "As Received"												
Chloride		6.72	0.0670	0.200	mg/L		1	CH6	02/22/25	1502	2754790	1
Fluoride	J	0.0881	0.0330	0.100	mg/L		1					
Sulfate		6.34	0.133	0.400	mg/L		1					

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 300.0	

Notes:

Column headers are defined as follows:

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

QC Summary

Report Date: March 24, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **710235**

Parmname	NOM		Sample	Qual	QC	Units	RPD%		REC%	Range	Anlst	Date Time
Ion Chromatography												
Batch 2754790												
QC1206015137 710235009 DUP												
Chloride			6.72		6.70	mg/L	0.191			(0%-20%)	CH6	02/22/25 15:32
Fluoride		J	0.0881	J	0.0910	mg/L	3.24	^		(+/-0.100)		
Sulfate			6.34		6.37	mg/L	0.441			(0%-20%)		
QC1206015134 LCS												
Chloride	5.00				4.80	mg/L			96.1	(90%-110%)		02/21/25 18:25
Fluoride	2.50				2.42	mg/L			96.8	(90%-110%)		
Sulfate	10.0				9.88	mg/L			98.8	(90%-110%)		
QC1206015133 MB												
Chloride				U	0.0670	mg/L						02/21/25 17:55
Fluoride				U	0.0330	mg/L						
Sulfate				U	0.133	mg/L						
QC1206015138 710235009 PS												
Chloride	5.00		6.72		12.4	mg/L			113 *	(90%-110%)		02/22/25 16:03
Fluoride	2.50	J	0.0881		2.61	mg/L			101	(90%-110%)		
Sulfate	10.0		6.34		16.8	mg/L			105	(90%-110%)		

QC Summary

Workorder: **710235**

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

Notes:

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
>	Result is greater than value reported
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
Z	Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
d	5-day BOD--The 2:1 depletion requirement was not met for this sample
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
E	General Chemistry--Concentration of the target analyte exceeds the instrument calibration range
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
N1	See case narrative
R	Per section 9.3.4.1 of Method 1664 Revision B, due to matrix spike recovery issues, this result may not be reported or used for regulatory compliance purposes.
B	The target analyte was detected in the associated blank.
e	5-day BOD--Test replicates show more than 30% difference between high and low values. The data is qualified per the method and can be used for reporting purposes
x	Subaliquot was taken. See Case Narrative for details.

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.

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25164	Project:	SOOP00119
Sample ID:	710235001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 11:18		
Receive Date:	21-FEB-25		
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	0.847	+/-0.794	1.31	1.00	pCi/L			DH1	03/23/25	1326	2755133	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.607	+/-0.315	0.374	1.00	pCi/L			MJ2	03/19/25	1016	2756236	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			88.9	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25121	Project:	SOOP00119
Sample ID:	710235002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 12:29		
Receive Date:	21-FEB-25		
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		1.00	+/-0.554	0.802	1.00	pCi/L			DH1	03/23/25	1124	2755133	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.883	+/-0.382	0.353	1.00	pCi/L			MJ2	03/19/25	1016	2756236	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			59.4	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25122	Project:	SOOP00119
Sample ID:	710235003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 14:09		
Receive Date:	21-FEB-25		
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	0.650	+/-0.457	0.709	1.00	pCi/L			DH1	03/23/25	1124	2755133	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.955	+/-0.362	0.406	1.00	pCi/L			MJ2	03/19/25	1016	2756236	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25123	Project:	SOOP00119
Sample ID:	710235004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 13:45		
Receive Date:	21-FEB-25		
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		0.942	+/-0.578	0.846	1.00	pCi/L			DH1	03/23/25	1124	2755133	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.559	+/-0.321	0.386	1.00	pCi/L			MJ2	03/19/25	1016	2756236	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			74.5	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25124	Project:	SOOP00119
Sample ID:	710235005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	18-FEB-25 15:40		
Receive Date:	21-FEB-25		
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		0.907	+/-0.409	0.524	1.00	pCi/L			DH1	03/23/25	1124	2755133	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.86	+/-0.438	0.244	1.00	pCi/L			MJ2	03/19/25	1016	2756236	2

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	
2	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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25145	Project:	SOOP00119
Sample ID:	710235006	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	19-FEB-25 09:33		
Receive Date:	21-FEB-25		
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		1.20	+/-0.431	0.542	1.00	pCi/L			DH1	03/23/25	1124	2755133	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		1.05	+/-0.444	0.516	1.00	pCi/L			MJ2	03/19/25	1016	2756236	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			89	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25144	Project:	SOOP00119
Sample ID:	710235007	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	19-FEB-25 11:33		
Receive Date:	21-FEB-25		
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	+/-0.594	0.631	1.00	pCi/L			DH1	03/23/25	1124	2755133	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		2.25	+/-0.513	0.364	1.00	pCi/L			MJ2	03/19/25	1048	2756236	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			72.8	(15%-125%)

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

Column headers are defined as follows:

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

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

Certificate of Analysis

Report Date: March 24, 2025

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

Client Sample ID:	AG25126	Project:	SOOP00119
Sample ID:	710235009	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	19-FEB-25 12:30		
Receive Date:	21-FEB-25		
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	0.311	+/-0.337	0.560	1.00	pCi/L			DH1	03/23/25	1124	2755133	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.442	+/-0.281	0.397	1.00	pCi/L			MJ2	03/19/25	1048	2756236	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			77.6	(15%-125%)

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

Column headers are defined as follows:

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

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

QC Summary

Report Date: March 24, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **710235**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2755133										
QC1206015937 710235001 DUP										
Radium-228	U	0.847	U	0.202	pCi/L	N/A		N/A	DH1	03/23/25 13:25
	Uncertainty	+/-0.794		+/-0.532						
QC1206015938 LCS										
Radium-228	28.2			26.4	pCi/L		93.5	(75%-125%)		03/23/25 11:23
	Uncertainty			+/-1.89						
QC1206015936 MB										
Radium-228			U	-0.0977	pCi/L					03/23/25 11:23
	Uncertainty			+/-0.328						
Rad Ra-226										
Batch 2756236										
QC1206018252 710235001 DUP										
Radium-226		0.607	U	0.637	pCi/L	4.85		(0% - 100%)	MJ2	03/19/25 11:20
	Uncertainty	+/-0.315		+/-0.538						
QC1206018254 LCS										
Radium-226	27.3			22.8	pCi/L		83.3	(75%-125%)		03/19/25 11:20
	Uncertainty			+/-2.17						
QC1206018251 MB										
Radium-226			U	0.309	pCi/L					03/19/25 11:20
	Uncertainty			+/-0.303						
QC1206018253 710235001 MS										
Radium-226	136	0.607		115	pCi/L		84.3	(75%-125%)		03/19/25 11:20
	Uncertainty	+/-0.315		+/-11.6						

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

QC Summary

Workorder: **710235**

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

<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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.

General Chemistry

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2754790

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

GEL Sample ID#	Client Sample Identification
710235001	AG25164
710235002	AG25121
710235003	AG25122
710235004	AG25123
710235005	AG25124
710235006	AG25145
710235007	AG25144
710235008	AG25127
710235009	AG25126
1206015133	Method Blank (MB)
1206015134	Laboratory Control Sample (LCS)
1206015137	710235009(AG25126) Sample Duplicate (DUP)
1206015138	710235009(AG25126) Post Spike (PS)

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

Matrix Spike (MS)/Post Spike (PS) Recovery Statement
The percent recoveries (%R) obtained from the spike analyses are evaluated when the sample concentration is less than four times (4X) the spike concentration added. The matrix spike recovered outside of the established acceptance limits due to matrix interference and/or non-homogeneity.

Analyte	Sample	Value
Chloride	1206015138 (AG25126PS)	113* (90%-110%)

Technical Information

Sample Dilutions
Samples 1206015137 (AG25126DUP), 1206015138 (AG25126PS), 710235001 (AG25164), 710235002 (AG25121), 710235003 (AG25122), 710235004 (AG25123), 710235005 (AG25124), 710235006 (AG25145), 710235007

(AG25144), 710235008 (AG25127) and 710235009 (AG25126) were diluted based on historical data. Dilutions may be required for many reasons, including to minimize matrix interferences or to bring over range target analyte concentrations into the linear calibration range.

Analyte	710235					
	002	003	005	006	007	008
Chloride	1X	100X	100X	100X	200X	100X
Sulfate	100X	100X	100X	100X	200X	1X

Miscellaneous Information

Manual Integrations
Samples 1206015137 (AG25126DUP) and 710235009 (AG25126) were manually integrated to correctly position the baseline as set in the calibration standards.

Radiochemistry

Product: GFPC, Ra228, Liquid
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2755133

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

GEL Sample ID#	Client Sample Identification
710235001	AG25164
710235002	AG25121
710235003	AG25122
710235004	AG25123
710235005	AG25124
710235006	AG25145
710235007	AG25144
710235009	AG25126
1206015936	Method Blank (MB)
1206015937	710235001(AG25164) Sample Duplicate (DUP)
1206015938	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

Aliquot Reduced
1206015937 (AG25164DUP), 710235001 (AG25164) and 710235004 (AG25123) Aliquots were reduced due to limited sample volume.

Quality Control (QC) Information

RDL Met
The following RDL was met with rounding.

Sample	Analyte	Value
710235001 (AG25164)	Radium-228	Result 0.847 < MDA 1.31 > RDL 1 pCi/L

Technical Information

Recounts
Samples 1206015937 (AG25164DUP) and 710235001 (AG25164) were recounted due to high relative percent difference/relative error ratio. 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: 2756236

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

GEL Sample ID#	Client Sample Identification
710235001	AG25164
710235002	AG25121
710235003	AG25122
710235004	AG25123
710235005	AG25124
710235006	AG25145
710235007	AG25144
710235009	AG25126
1206018251	Method Blank (MB)
1206018252	710235001(AG25164) Sample Duplicate (DUP)
1206018253	710235001(AG25164) Matrix Spike (MS)
1206018254	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

Aliquot Reduced
1206018253 (AG25164MS) Aliquot was reduced due to limited 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.

3/28/25 – RAD

710235

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 3 / 3 / 25 Send report to lcwillis@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

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

Customer Email/Report Recipient: LINDA. WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

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

Rerun request for any flagged QC (Yes) No

Analysis Group

Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total # of containers	Bottle type: (Glass-G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see below)	Comments • Method # • Reporting limit • Misc. sample info • Any other notes	RAD 226/228	F, Cl, SO4	Cl, SO4	
AG25164	WBW-1	2/18/25	1118	NDS DCA	3	P	G	GW	2/1		2	1	0	
21	WAP-1		1229											
AG25122	WAP-2		1409		1									
23	WAP-2F		1345		2					ONLY ONE BOTTLE FOR RAD 226 + 228.	1	1	0	
24	WAP-2R		1540		3						2	1	0	
AG25145	WAP-16	2/19/25	0933	ATH DCA	3									
44	WAP-15		1133		1									
AG25127	WAP-5		1045		1						0	0	1	
AG25126	WAP-4		1230		3						2	1	0	

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

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

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI
- **Other Analysis:**
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

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

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
	36851		GEL	2/21/25	0936
DCP	GEL		GEL	2-21-25	1600

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOUP	SDG/AR/COC/Work Order: 710235	GEL PM:
Received By: QG	Date Received at GEL: 2/21/25	

Carrier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR1-23 Daily Calibration Performed? Y/N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
Cooler 1	17c	rchem			
2	0c				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice (None) Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (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 IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	Client uses GEL labels and their own.
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials AW Date 2/24/25

☐ Continuation Form Required when selected

List of current GEL Certifications as of 24 March 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

August 06, 2025

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

Re: ABS Lab Analytical
Work Order: 732904

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 11, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

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: 125915/JM02.08.G01.1/36500
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: 732904 GEL Work Order: 732904

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

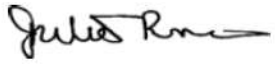
** Analyte is a surrogate compound

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: August 6, 2025

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

Client Sample ID:	AG36896	Project:	SOOP00119
Sample ID:	732904001	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	08-JUL-25 11:14		
Receive Date:	11-JUL-25		
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	+/-0.415	0.639	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.381	+/-0.258	0.365	1.00	pCi/L			AW6	08/06/25	0939	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			77.8	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 6, 2025

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

Client Sample ID:	AG36899	Project:	SOOP00119
Sample ID:	732904002	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	08-JUL-25 09:25		
Receive Date:	11-JUL-25		
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		1.36	+/-0.546	0.721	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.650	+/-0.361	0.458	1.00	pCi/L			AW6	08/06/25	0939	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			61.4	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 6, 2025

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

Client Sample ID:	AG36892	Project:	SOOP00119
Sample ID:	732904003	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	08-JUL-25 13:40		
Receive Date:	11-JUL-25		
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		2.57	+/-0.766	0.907	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		3.11	+/-0.568	0.203	1.00	pCi/L			AW6	08/06/25	0939	2828267	2

The following Analytical Methods were performed:

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

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

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 6, 2025

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

Client Sample ID:	AG36909	Project:	SOOP00119
Sample ID:	732904004	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	08-JUL-25 14:34		
Receive Date:	11-JUL-25		
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	+/-0.561	0.754	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.866	+/-0.378	0.383	1.00	pCi/L			AW6	08/06/25	0939	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			64.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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 6, 2025

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

Client Sample ID:	AG36900	Project:	SOOP00119
Sample ID:	732904005	Client ID:	SOOP001
Matrix:	GW		
Collect Date:	08-JUL-25 12:22		
Receive Date:	11-JUL-25		
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		1.23	+/-0.473	0.613	1.00	pCi/L			HH3	07/29/25	0841	2828509	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.973	+/-0.372	0.384	1.00	pCi/L			AW6	08/06/25	1011	2828267	2

The following Analytical Methods were performed:

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

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			72.9	(15%-125%)

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

Column headers are defined as follows:

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

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

QC Summary

Report Date: August 6, 2025

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

Workorder: **732904**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 2828509										
QC1206167019 LCS										
Radium-228	27.5			22.7	pCi/L		82.8	(75%-125%)	HH3	07/29/25 08:41
	Uncertainty			+/-1.57						
QC1206169744 LCSD										
Radium-228	27.5			33.1	pCi/L	37.3 *	121	(0%-20%)		07/29/25 08:41
	Uncertainty			+/-1.88						
QC1206167017 MB										
Radium-228			U	0.321	pCi/L					07/29/25 10:06
	Uncertainty			+/-0.461						
Rad Ra-226										
Batch 2828267										
QC1206166502 732904002 DUP										
Radium-226		0.650		0.601	pCi/L	7.76		(0% - 100%)	AW6	08/06/25 10:43
	Uncertainty	+/-0.361		+/-0.293						
QC1206166504 LCS										
Radium-226	27.1			25.1	pCi/L		92.6	(75%-125%)		08/06/25 10:43
	Uncertainty			+/-1.62						
QC1206166501 MB										
Radium-226			U	0.178	pCi/L					08/06/25 10:43
	Uncertainty			+/-0.305						
QC1206166503 732904002 MS										
Radium-226	134	0.650		121	pCi/L		89.9	(75%-125%)		08/06/25 10:43
	Uncertainty	+/-0.361		+/-8.31						

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

QC Summary

Workorder: **732904**

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

<	Result is less than value reported
>	Result is greater than value reported
UI	Gamma Spectroscopy--Uncertain identification
BD	Results are either below the MDC or tracer recovery is low
h	Preparation or preservation holding time was exceeded
R	Sample results are rejected
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
N/A	RPD or %Recovery limits do not apply.
ND	Analyte concentration is not detected above the detection limit
M	M if above MDC and less than LLD
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
FA	Failed analysis.
UJ	Gamma Spectroscopy--Uncertain identification
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
N1	See case narrative
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.
**	Analyte is a Tracer compound
M	REMP Result > MDC/CL and < RDL
x	Subaliquot was taken. See Case Narrative for details.

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 #: 732904

Product: **GFPC, Ra228, Liquid**
Analytical Method: EPA 904.0/SW846 9320 Modified
Analytical Procedure: GL-RAD-A-063 REV# 5
Analytical Batch: 2828509

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

GEL Sample ID#	Client Sample Identification
732904001	AG36896
732904002	AG36899
732904003	AG36892
732904004	AG36909
732904005	AG36900
1206167017	Method Blank (MB)
1206167019	Laboratory Control Sample (LCS)
1206169744	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

Duplication Criteria between LCS and LCSD
The Laboratory Control Sample and Laboratory Control Sample Duplicate (See Below) do not meet the duplication requirement; however, they both meet the spiked recovery requirement.

Sample	Analyte	Value
1206167019 (LCS) and 1206169744 (LCSD)	Radium-228	RPD 37.3* (0%-20%)

Technical Information

Recounts
Sample 1206167017 (MB) was recounted due to a suspected blank false positive. 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: 2828267

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

GEL Sample ID#	Client Sample Identification
732904001	AG36896
732904002	AG36899
732904003	AG36892
732904004	AG36909
732904005	AG36900
1206166501	Method Blank (MB)
1206166502	732904002(AG36899) Sample Duplicate (DUP)
1206166503	732904002(AG36899) Matrix Spike (MS)
1206166504	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, 1206166503 (AG36899MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

Contract Lab Info: GEL Contract Lab Due Date (Lab Only): 8 / 11 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

732904

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

Customer Email/Report Recipient: LINDA. WILLIAMS @santeecooper.com

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.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	RAD 226/228			
AG36896	WAP-18	7/8/25	1114	AGP EA	2	P	G	GW	2		X			
AG36899	WAP-21	"	0925	"	"	"	"	"	"		"			
AG36892	WAP-15	"	1340	"	"	"	"	"	"		"			
AG36909	WAP-29	"	1434	"	"	"	"	"	"		"			
AG36900	WAP-22	"	1222	"	"	"	"	"	"		"			

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

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

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
- ☐ BTUs
- **Ultimate**
- ☐ Volatile Matter
- ☐ CHN
- ☐ HGI

Other Analysis:
- ☐ Fineness
- ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

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

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

☐ Metals (All)

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

☐ RCRA (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
[signature]	36851	[signature]	GEL	7/11/25	0859
[signature]	GEL	[signature]	GEL	7.11.25	1633

Sample Receiving (Internal Use Only)

TEMP (°C): _____

Initials: _____

Correct pH: Yes No

Preservative Lot #:

Date/Time/Init for preservative:

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, O-other (describe in comment section)

Preservative code- 1=<4°C 2=HNO_3 3=H_2SO_4 4-HCl 5=$Na_2S_2O_3$ 6-Other (Specify)

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: SOOP | SDG/AR/COC/Work Order: 732904 | GEL PM: JR

Received By: CLM | Date Received at GEL: 7/11/25

Courier (Circle Applicable)
FedEx Express FedEx Ground UPS Field Services Courier Client Other:

IR Temp gun # IR5-23 Daily Calibration Performed? Y N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (le radiochem only).
N/A	21°	✓			

Suspected Hazard Information	Yes	No	* If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A) Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) mR/Hr. Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?		✓		Preservation Method: Wet Ice Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)				If Yes, are Encores or Soil Kits present? Yes No (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 IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials OR Date 7/14/25

☐ Continuation Form Required when selected

GL-CHL-SR-001 Rev 8

List of current GEL Certifications as of 06 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
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
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Field Data Sheets

(Note: the color coding is to assist field personnel in determining when the well has stabilized enough to begin 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 (ft, bgs)
WBW - 1	**31.97**	7.93	**7- 17**	2/18/2025	1118	19.86
Final GW Depth:	8.01	**depth to GW (ft)**		1.96	**Screen Submerged (ft)?**	
Drawdown:	0.08	**ft**		0.031	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	0.2	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1047	16.21	5.47	213	43	19.1	4.51
1052	15.43	4.51	259	37	20.6	3.63
1057	15.32	4.32	278	36	18.2	3.41
1102	15.28	4.27	291	36	15.4	3
1107	15.21	4.23	300	35	12.5	2.82
1112	15.25	4.2	309	37	10.9	2.73
1115	15.22	4.17	314	37	9.7	2.66
1118	15.25	4.16	318	37	8.8	2.56

Samples were collected by Melanie Goings and Dan Alexander

Comments/Conditions:

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 (ft, bgs)
WAP - 1	**29.44**	5.85	**4- 24**	2/18/2025	1229	25.25
Final GW Depth:	5.91	**depth to GW (ft)**		0.54	**Screen Submerged (ft)?**	
Drawdown:	0.06	**ft**		1.14	**Silt Buildup (ft)**	
Ferric Iron:	2.68	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	1.44	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1158	16.53	4.19	71	103	9.1	5.64
1203	17.21	4.37	9	99	1.1	0.94
1208	17.42	4.44	-11	98	0	0.72
1213	17.93	4.52	-25	98	0.1	0.61
1218	18.06	4.56	-30	97	0.1	0.59
1223	18.39	4.62	-39	96	0.3	0.52
1226	18.41	4.62	-40	95	0.5	0.5
1229	18.5	4.63	-42	96	0.2	0.5

Samples were collected by Melanie Goings and Dan Alexander

Comments/Conditions:

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 (ft, bgs)
WAP - 9	**28.04**	10.68	**9- 19**	2/25/2025	1521	22.29
Final GW Depth:	10.71	**depth to GW (ft)**		2.86	**Screen Submerged (ft)?**	
Drawdown:	0.03	**ft**		2.25	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**		**18**	**Tubing Length (ft)**	
Ferrous Iron:	+++	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1450	25.23	6.37	-53	1720	6.9	1.06
1455	25.07	6.34	-69	1720	6.5	0.49
1500	24.58	6.34	-85	1710	6.5	0.38
1505	24.03	6.31	-102	1710	5.1	0.36
1510	24.15	6.33	-119	1690	3.6	0.33
1515	24.14	6.34	-136	1670	4.3	0.31
1518	24.14	6.32	-137	1650	3.2	0.3
1521	24.11	6.3	-138	1620	2.4	0.3

Samples were collected by Melanie Goings and Steve Brown

Comments/Conditions:

Field Blank (WAP-9F) collected at 1556

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 (ft, bgs)
WAP - 17	**26.88**	6.79	**9- 19**	3/4/2025	1200	21.97
Final GW Depth:	6.81	**depth to GW (ft)**		5.11	**Screen Submerged (ft)?**	
Drawdown:	0.02	**ft**		-0.07	**Silt Buildup (ft)**	
Ferric Iron:	3.24	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	1.58	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1132	21.77	6.02	-9	2060	2.7	2.64
1137	21.92	5.84	-42	2090	0	0.89
1142	21.91	5.83	-61	2110	0	0.67
1147	21.69	5.83	-73	2100	0	0.45
1152	21.47	5.82	-81	2100	0	0.4
1157	21.29	5.82	-87	2110	0	0.37
1200	21.29	5.82	-89	2100	0	0.36

Samples were collected by Brad McCray and Dan Alexander

Comments/Conditions:

DUP @ 1205

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 (ft, bgs)
WAP - 18	**31.04**	11.59	**7.5-17.5**	2/27/2025	1149	21.33
Final GW Depth:	12.21	**depth to GW (ft)**		-0.74	**Screen Submerged (ft)?**	
Drawdown:	0.62	**ft**		-0.48	**Silt Buildup (ft)**	
Ferric Iron:	1.02	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	0.82	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1121	23.76	6.2	114	612	27.8	4.75
1126	23.54	5.7	167	583	13.6	2.1
1131	23.35	5.71	159	570	11.8	1.72
1136	23.33	5.71	148	537	11.4	1.25
1141	23.4	5.72	143	547	10.5	1.1
1146	23.52	5.72	137	561	9.2	1.11
1149	23.6	5.73	137	570	9.8	1.14

Samples were collected by Aaron Hill and Steve Brown

Comments/Conditions:

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 (ft, bgs)
WAP - 19	**43.39**	24.1	**14-24**	3/4/2025	1405	26.28
Final GW Depth:	24.57	**depth to GW (ft)**		-7.48	**Screen Submerged (ft)?**	
Drawdown:	0.47	**ft**		0.336	**Silt Buildup (ft)**	
Ferric Iron:	3.03	**mg/L**		**21**	**Tubing Length (ft)**	
Ferrous Iron:	1.4	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1304	21.5	6.22	25	2670	476	3.81
1309	21.49	6.29	-44	2890	176	0.68
1314	21.59	6.3	-59	2890	126	0.6
1319	21.68	6.31	-71	2890	60.7	0.45
1324	21.61	6.31	-83	2890	16.7	0.43
1329	21.46	6.31	-92	2890	18.5	0.42
1332	21.37	6.31	-98	2900	14.6	0.45
1335	21.39	6.3	-105	2900	18.9	0.41
1338	20.99	6.29	-109	2920	14.6	0.42
1341	21.12	6.31	-117	2900	17.5	0.4
1344	21.29	6.31	-123	2990	24.7	0.35
1347	21.36	6.32	-130	2900	19.9	0.39
1350	21.33	6.32	-134	2890	25.2	0.38
1353	21.23	6.31	-137	2900	16.8	0.39
1356	21.33	6.31	-140	2900	16.8	0.42
1359	21.47	6.32	-143	2900	12.4	0.43
1402	21.49	6.32	-146	2900	9.3	0.42
1405	21.45	6.32	-148	2890	6.6	0.39

Samples were collected by Brad McCray and Dan Alexander

Comments/Conditions:

*** Wasn't able to get any water out of the well on 7/16/24. Sampled with H&A on 7/8/24

Returned on 7/22/24 to retry sampling.

*** Had to drop tubing to 23' to reach water

WAP-19F taken at 1410

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 (ft, bgs)
WLF-A2-1	**30.04**	10.69	8.5-18.5	3/4/2025	1004	35.86
Final GW Depth:	10.71	**depth to GW (ft)**		0.6	**Screen Submerged (ft)?**	
Drawdown:	0.02	**ft**		-14.57	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**		**18**	**Tubing Length (ft)**	
Ferrous Iron:	+++	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
924	18.97	4.96	213	903	3.9	6.38
929	19.45	4.83	141	890	1.1	1.39
934	19.66	4.94	85	875	0	0.98
939	19.91	5.02	26	851	0	0.76
944	20.05	5.1	-5	831	0	0.73
949	20.02	5.18	-28	816	0	0.56
952	20.12	5.21	-39	809	0	0.53
955	20.13	5.23	-48	800	0	0.5
958	20.13	5.24	-57	787	0	0.48
1001	20.21	5.27	-63	783	0	0.46
1004	20.27	5.28	-67	777	0	0.44

Samples were collected by Brad McCray and Dan Alexander

Comments/Conditions:

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 (ft, bgs)
WLF-A2-2	**27.56**	8.25	**8.5-18.5**	3/4/2025	1103	22.37
Final GW Depth:	8.45	**depth to GW (ft)**		3.16	**Screen Submerged (ft)?**	
Drawdown:	0.2	**ft**		-0.88	**Silt Buildup (ft)**	
Ferric Iron:	1.79	**mg/L**		**18**	**Tubing Length (ft)**	
Ferrous Iron:	0.75	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1029	20.6	6.08	23	675	13.2	7.06
1034	20.62	6.11	45	679	11.7	1.29
1039	20.61	6.1	34	683	6.8	1.13
1044	20.7	6.08	20	692	6.3	0.88
1049	20.74	6.07	4	708	4.5	0.75
1054	20.79	6.06	-7	724	2.8	0.64
1057	20.76	6.06	-15	727	2.1	0.6
1100	20.71	6.05	-19	738	1.8	0.55
1103	20.72	6.04	-24	746	2.7	0.52

Samples were collected by Brad McCray and Dan Alexander

Comments/Conditions:

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 (ft, bgs)
WLF-A2-6	**35.14**	15.24	**14-24**	2/27/2025	1042	27.45
Final GW Depth:	15.28	**depth to GW (ft)**		1.79	**Screen Submerged (ft)?**	
Drawdown:	0.04	**ft**		-0.42	**Silt Buildup (ft)**	
Ferric Iron:	0.31	**mg/L**		**21**	**Tubing Length (ft)**	
Ferrous Iron:	0.26	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1017	20.2	6.43	96	1170	2.8	5.19
1022	20.3	6.48	43	1180	0	1.23
1027	20.42	6.55	14	1190	0	0.89
1032	20.59	6.56	-3	1190	0	0.73
1037	20.64	6.58	-5	1190	0	0.69
1042	20.81	6.59	-9	1190	0	0.66

Samples were collected by Aaron Hill and Steve Brown

Comments/Conditions:

Dup @ 1047

Field blank @ 1006

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 (ft, bgs)
WBW - 1	**31.97**	8.39	**7- 17**	6/25/2025	947	19.81
Final GW Depth:	8.39	**depth to GW (ft)**		1.5	**Screen Submerged (ft)?**	
Drawdown:	0	**ft**		0.08	**Silt Buildup (ft)**	
Ferric Iron:	0.31	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	0.2	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
922	21.41	4.66	244	40	52.5	2.38
927	22.9	3.78	315	35	50	1.93
932	23.27	3.71	335	35	31.3	1.89
937	23.53	3.75	331	36	8.2	1.68
942	23.75	3.78	334	36	2.7	1.58
947	24.05	3.78	338	36	2.1	1.54

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions:

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 (ft, bgs)
WAP - 1	**29.44**	6.19	**4- 24**	6/25/2025	1046	25.19
Final GW Depth:	6.24	**depth to GW (ft)**		0.2	**Screen Submerged (ft)?**	
Drawdown:	0.05	**ft**		1.2	**Silt Buildup (ft)**	
Ferric Iron:	0.92	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	0.89	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1018	24.35	4.37	210	84	0.7	1.79
1023	24.87	4.27	176	88	0.4	0.54
1028	24.62	4.15	179	104	0	0.39
1033	24.72	4.21	173	104	0	0.35
1038	24.78	4.26	162	102	0	0.33
1043	24.45	4.29	153	101	0	0.32
1046	24.38	4.34	147	101	0	0.31

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions:

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 (ft, bgs)
WAP - 9	**28.04**	10.43	**9- 19**	6/26/2025	1311	22.25
Final GW Depth:	10.44	**depth to GW (ft)**		3.11	**Screen Submerged (ft)?**	
Drawdown:	0.01	**ft**		1.29	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**		**18**	**Tubing Length (ft)**	
Ferrous Iron:	+++	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1243	25.07	5.16	104	832	3.6	1.79
1248	25.33	5.03	125	841	0.7	0.74
1253	25.11	5.11	113	845	1.4	0.54
1258	25.08	5.17	101	850	2.3	0.38
1303	25.27	5.24	91	857	9.2	0.33
1308	25.14	5.25	86	860	2.5	0.32
1311	25.12	5.31	80	868	2.2	0.32

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions:

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 (ft, bgs)
WAP - 17	**26.88**	7.34	**9- 19**	7/14/2025	1348	21.92
Final GW Depth:	7.24	**depth to GW (ft)**		4.56	**Screen Submerged (ft)?**	
Drawdown:	-0.1	**ft**		-0.02	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	2.09	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1318	29.77	6.04	-3	1820	0	1.49
1323	29.23	6	-12	1870	0	0.74
1328	28.74	6.03	-17	1880	0	0.59
1333	28.39	6.04	-20	1890	1.3	0.49
1338	28.14	6.03	-20	1900	0.9	0.47
1342	27.98	6.05	-23	1900	0	0.4
1345	27.93	6.06	-25	1900	0	0.36
1348	27.9	6.07	-26	1900	0	0.36

Samples were collected by Aaron Hill and Evan Amick

Comments/Conditions:

DUP was collected @ 1353

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 (ft, bgs)
WAP - 18	**31.04**	11.26	**7.5-17.5**	7/8/2025	1114	21.29
Final GW Depth:	11.8	**depth to GW (ft)**		-0.41	**Screen Submerged (ft)?**	
Drawdown:	0.54	**ft**		-0.44	**Silt Buildup (ft)**	
Ferric Iron:	0	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	0	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1022	23.4	5.35	182	252	19.1	3.38
1027	24.89	5.36	174	244	17.6	2.55
1032	25.11	5.44	165	249	10.9	1.53
1037	25	5.44	162	251	12	1.93
1042	24.95	5.48	159	253	12.4	1.96
1047	24.95	5.47	159	254	11.9	1.02
1050	24.95	5.43	161	255	12.2	0.9
1053	25.15	5.46	159	256	12.2	0.64
1056	25.19	5.51	157	257	11.8	1.43
1059	25.29	5.55	154	257	11.7	0.72
1102	25.39	5.53	156	258	11.1	0.61
1105	25.26	5.52	157	258	11.9	0.99
1108	25.71	5.48	159	260	11.2	0.5
1111	26.01	5.52	158	260	19.8	0.48
1114	25.91	5.53	158	259	22.1	0.46

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions:

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 (ft, bgs)
WAP - 19	**43.39**	23.64	**14-24**	7/7/2025	1007	26.56
Final GW Depth:	23.68	**depth to GW (ft)**		-7.02	**Screen Submerged (ft)?**	
Drawdown:	0.04	**ft**		0.056	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**		**21**	**Tubing Length (ft)**	
Ferrous Iron:	+++	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
933	20.89	5.98	12	2830	42.5	3
938	22.2	6.24	-71	2910	73.7	1.16
943	22.72	6.28	-85	2910	150	1.05
948	23.08	6.35	-103	2950	135	0.72
953	23.77	6.36	-109	2930	71.9	0.74
958	24.31	6.37	-114	2910	26.9	0.74
1001	24.67	6.38	-117	2890	23.8	0.66
1004	25.02	6.39	-121	2870	22.8	0.6
1007	25.28	6.4	-125	2860	22.2	0.58

Samples were collected by
Ashton poole and Evan amick

Comments/Conditions:						
took field blanks @ 1012						

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 (ft, bgs)
WLF-A2-1	**30.04**	10.45	8.5-18.5	7/9/2025	942	21.86
Final GW Depth:	10.5	**depth to GW (ft)**		0.84	**Screen Submerged (ft)?**	
Drawdown:	0.05	**ft**		-0.57	**Silt Buildup (ft)**	
Ferric Iron:	3.07	**mg/L**		**18**	**Tubing Length (ft)**	
Ferrous Iron:	2.93	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
927	20.99	5.05	38	733	5.9	1.82
932	21.84	5.2	10	717	4.6	1.31
937	22.21	5.24	1	704	0.8	1.23
942	22.48	5.25	-4	696	0.4	1.15

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions:

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 (ft, bgs)
WLF-A2-2	**27.56**	7.92	**8.5-18.5**	7/9/2025	1028	22.3
Final GW Depth:	7.89	**depth to GW (ft)**		3.49	**Screen Submerged (ft)?**	
Drawdown:	-0.03	**ft**		-0.81	**Silt Buildup (ft)**	
Ferric Iron:	3.24	**mg/L**		**18**	**Tubing Length (ft)**	
Ferrous Iron:	2.81	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1008	23.76	5.73	6	794	4.5	2.32
1013	23.79	5.81	-17	802	0.7	1.24
1018	23.86	5.82	-21	810	0	1.16
1023	24.04	5.86	-28	825	0	1.09
1028	24.2	5.87	-31	826	9	1.01

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions:

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 (ft, bgs)
WLF-A2-6	**35.14**	15.06	**14-24**	7/7/2025	1520	27.42
Final GW Depth:	15.04	**depth to GW (ft)**		1.97	**Screen Submerged (ft)?**	
Drawdown:	-0.02	**ft**		-0.39	**Silt Buildup (ft)**	
Ferric Iron:	0.2	**mg/L**		**21**	**Tubing Length (ft)**	
Ferrous Iron:	0.09	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1449	27.55	6.34	16	1130	6.9	1.6
1454	27.28	6.17	17	1170	6	0.52
1459	27.35	6.17	14	1150	5.2	0.4
1504	27.02	6.17	9	1160	3.9	0.32
1509	26.94	6.21	6	1160	4.2	0.32
1514	26.79	6.23	3	1160	4.3	0.25
1517	26.76	6.24	1	1180	4	0.24
1520	26.86	6.25	-1	1180	3.5	0.23

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions:

Duplicate and Field Blanks were collected at 1525

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 (ft, bgs)
WLF-A2-6	**35.14**	14.21	**14-24**	10/29/2025	1039	27.48
Final GW Depth:	14.23	**depth to GW (ft)**		2.82	**Screen Submerged (ft)?**	
Drawdown:	0.02	**ft**		-0.45	**Silt Buildup (ft)**	
Ferric Iron:	0.51	**mg/L**		**21**	**Tubing Length (ft)**	
Ferrous Iron:	0.48	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1006	20.03	5.89	-1	1030	6.1	3.22
1011	20.56	5.92	-42	1040	9.3	1.45
1016	20.74	5.98	-54	1050	4	1.3
1021	20.87	6.02	-58	1060	2	1.13
1026	21.02	6.06	-61	1070	1.2	1.12
1031	21.1	6.09	-63	1070	0.8	0.9
1036	21.07	6.11	-63	1070	0.3	0.87
1039	21.09	6.12	-64	1070	0	0.79

Samples were collected by Catie Gill and Jordan Rajcok

Comments/Conditions:

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 (ft, bgs)
WAP - 9	**28.04**	9.83	**9- 19**	10/30/2025	1039	22.3

Final GW Depth:	9.85	**depth to GW (ft)**	3.71	**Screen Submerged (ft)?**	
Drawdown:	0.02	**ft**	1.24	**Silt Buildup (ft)**	
Ferric Iron:	2.11	**mg/L**	**18**	**Tubing Length (ft)**	
Ferrous Iron:	+++	**mg/L**			

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1006	18.9	5.53	46	1040	16	3.46
1011	19.45	5.48	19	1050	20.7	1.54
1016	19.74	5.55	8	1100	9.8	1.3
1021	20.03	5.58	2	1150	5.7	1.13
1026	20.46	5.62	-5	1190	4	1.01
1031	20.89	5.66	-8	1180	4.5	0.89
1036	21.29	5.69	-11	1210	1.7	0.85
1039	21.54	5.7	-11	1230	1.4	0.86

Samples were collected by Catie Gill and Jordan Rajcok

Comments/Conditions: