2025 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT SLURRY POND 3 & 4 WINYAH GENERATING STATION

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Table of Contents

		Page
1.	**Annual Groundwater Monitoring Report Summary**	**1**
2.	**40 CFR § 257.90 Applicability**	**1**
	2.1 40 CFR § 257.90(a) and (c)	1
	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	2
	2.2.3 Problems Encountered	3
	2.2.4 Actions to Resolve Problems	3
	2.2.5 Project Key Activities for Upcoming Year	3
	2.3 40 CFR § 257.90(e) – Information	4
	2.3.1 40 CFR § 257.90(e)(1)	4
	2.3.2 40 CFR § 257.90(e)(2)	4
	2.3.3 40 CFR § 257.90(e)(3)	4
	2.3.4 40 CFR § 257.90(e)(4)	4
	2.3.5 40 CFR § 257.90(e)(5)	5

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

Figure No.	Title
1	Location of Slurry Pond 3 & 4 Groundwater 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 Reports

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 Slurry Pond 3 & 4 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).

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 WGS Slurry Pond 3 & 4 continued to operate under an assessment monitoring program in accordance with § 257.95, which was initiated on July 16, 2018. As required by § 257.93(h)(2), the initial statistical analysis to determine if statistically significant levels (SSLs) of one or more Appendix IV constituents were present downgradient of Slurry Pond 3 & 4 identified SSLs above the groundwater protection standards (GWPS) for arsenic and lithium. The SSLs for arsenic and lithium were addressed through completion of a successful alternate source demonstration (ASD) which was certified on October 9, 2019. The successful ASD, provided in the 2019 Annual Groundwater Report, allowed this CCR unit to remain in assessment monitoring. SSLs of Appendix IV constituents were not identified in downgradient monitoring wells for this unit during the semi-annual monitoring events completed in 2025. Therefore, at the end of the current annual reporting period (December 31, 2025), Slurry Pond 3 & 4 remains in the assessment monitoring program.

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

2. 40 CFR § 257.90 Applicability

2.1 40 CFR § 257.90(a) and (c)

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

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

The Slurry Pond 3 & 4 at WGS is an existing CCR surface impoundment which ceased receipt of CCR and non-CCR waste and wastewater as of April 11, 2021. Slurry Pond 3 & 4 is currently undergoing closure by removal. As such, it is subject to the groundwater monitoring and corrective action requirements set forth by the EPA in 40 CFR § 257.90 through § 257.98. This document satisfies the requirement under § 257.90(e) which requires the CCR Unit Owner/Operator to prepare an Annual Groundwater Monitoring and Corrective Action Report.

2.2 40 CFR § 257.90(e) - SUMMARY

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

This Annual Report documents the activities completed in 2025 for WGS Slurry Pond 3 & 4 as required by the subject regulations. Groundwater sampling and analysis was conducted per the requirements of § 257.93, and the status of the groundwater monitoring program, set forth in § 257.95, is provided in this report.

2.2.1 Status of the Groundwater Monitoring and Corrective Action Program

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

For the assessment monitoring events in 2025, SSLs of Appendix IV constituents above GWPS were not identified in groundwater downgradient of this unit, which is consistent with prior historical sampling results. Therefore, this CCR unit will remain in assessment monitoring entering 2026.

2.2.2 Key Actions Completed

The following key actions were completed in 2025:

- Prepared 2024 Annual Report including:
  - The Annual Report was placed in the facility's operating record pursuant to § 257.105(h)(1);
  - Pursuant to § 257.106(h)(1), the notification was sent to the relevant State Director within 30 days of the Annual Report being placed in the facility's operating record [§ 257.106(d)];
  - Pursuant to § 257.107(h)(1), the Annual Report was posted to the CCR Website within 30 days of the Annual Report being placed in the facility's operating record [§ 257.107(d)].
- Collected and analyzed two rounds of groundwater samples (February and June/July) in accordance with § 257.95(b) and § 257.95(d)(1) and recorded the concentrations in the facility's

operating record as required by § 257.95(d)(1). Groundwater monitoring results are summarized in Table 1 and laboratory analytical results are provided in Appendix B.

- Completed statistical evaluations to determine if SSLs of GWPS were present for detected Appendix IV constituents in accordance with § 257.93(h)(2) (Appendix A).
- Updated the statistical upper tolerance limits for background wells WAP-1 and WBW-1 after the first 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 state [§ 257.106(d)]; and post to the facility's publicly available CCR website [§ 257.107(d)].
- Conduct semi-annual groundwater monitoring consistent with § 257.95.
- Complete semi-annual statistical analysis of assessment monitoring analytical data to determine if SSLs of the detected Appendix IV constituents are present above GWPS.
- 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.
- In 2026, wells will be further evaluated. If improvement is still not made, then more aggressive development methods (both mechanical and chemical) may be conducted and reported in the 2026 Annual Report.

2.3 40 CFR § 257.90(e) - INFORMATION

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

2.3.1 40 CFR § 257.90(e)(1)

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

As required by § 257.90(e)(1), a map showing the locations of the CCR unit and associated upgradient and downgradient monitoring wells for Slurry Pond 3 & 4 is presented as Figure 1.

2.3.2 40 CFR § 257.90(e)(2)

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

No monitoring wells were installed or decommissioned in 2025.

2.3.3 40 CFR § 257.90(e)(3)

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

In accordance with § 257.95(b) and § 257.95(d)(1), two independent samples from each background and downgradient monitoring well were collected and analyzed. A summary table including the sample names, dates of sample collection, reason for sample collection, and monitoring data obtained for the groundwater monitoring program for Slurry Pond 3 & 4 is presented in Table 1 of this report. In addition, and in accordance with § 257.95(d)(3), Table 1 includes the groundwater protection standards established under § 257.95(d)(2). Laboratory analytical data reports, along with field sampling forms, are provided in Appendix B to this report.

2.3.4 40 CFR § 257.90(e)(4)

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

As required by § 257.93(h), a statistical analysis of the Appendix III constituents was completed by January 15, 2018. Baseline analytical data collected from background monitoring wells WBW-1 and WAP-1 were combined to develop Upper Tolerance Limits (UTLs). The UTLs for each Appendix III constituent were compared to the analytical results for the downgradient monitoring wells WAP-4, WAP-14, WAP-15, and WAP-16. Constituents with analytical results exceeding the UTLs were identified as SSIs over background for the respective Appendix III constituent. This statistical analysis determined that statistically significant increases of boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids were present downgradient of Slurry Pond 3 & 4. An evaluation of alternate sources for SSIs was initiated and completed on April 13, 2018, as provided in § 257.94(e)(2). A source causing the SSI over background levels other

than the CCR unit was not identified at that time and an assessment monitoring program was initiated on July 16, 2018.

The assessment monitoring program was established to meet the requirements of 40 CFR § 257.95. As required by § 257.95, the statistical evaluation of the detected Appendix IV constituents determined there were SSLs above GWPS for arsenic and lithium. Therefore, an assessment of corrective measures and a nature and extent investigation was initiated per § 257.95(g)(3) on May 15, 2019. However, prior to completing the assessment of corrective measures and the evaluation of the nature and extent of arsenic and lithium, Haley & Aldrich documented naturally occurring conditions that exist within the uppermost shallow alluvial aquifer responsible for mobilizing naturally occurring arsenic and lithium, and certified the ASD on October 9, 2019. Thus, the Unit 3 & 4 Slurry Pond has been in assessment monitoring.

Based on intrawell statistical evaluation for the 2025 data, no SSLs were identified (Appendix A). Therefore, at the end of the current annual reporting period (December 31, 2025), Slurry Pond 3 & 4 will remain in assessment monitoring entering into 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 § 257.95 of the CCR Rule. There are no applicable requirements from Sections § 257.96 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).

TABLES

Table 1 - Summary of Analytical Results
Winyah Generating Station Slurry Pond 3 & 4 Assessment Monitoring 2025

					Appendix III Constituents							Appendix IV Constituents																Field Parameters							
Well ID	Purpose	Date of Sample Event	Laboratory Sample ID Number		Boron	Calcium	Chloride	Fluoride	Sulfate	Total Dissolved Solids	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Fluoride	Lead	Lithium	Mercury	Molybdenum	Radium 226	Radium 228	Radium 226/228 Combined Calculation	Selenium	Thallium	Depth to Groundwater	Groundwater Elevation	pH	Specific Conductivity	Temperature	Oxidation Reduction Potential	Turbidity	Dissolved Oxygen
				Unit	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	SU	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L		ug/L	Feet	Feet	SU	uS	C	mv	NTU	ppm
				Method	EPA 6010D	EPA 6020B	EPA 300.0	EPA 300.0	EPA 300.0	SM 2540C		EPA 6020B	EPA 6020B	EPA 6020B	EPA 6020B	EPA 6020B	EPA 6020B	EPA 6020B	EPA 300.0	EPA 6020B	EPA 6010D	EPA 7470	EPA 6010D	EPA 903.1 Mod	EPA 904.0	EPA 903.1 Mod	EPA 6020B	EPA 6020B							SM2580		
				GWPS/ US EPA MCL/RSL	----	----	----	4.00	----	----	----	25.0	10.0	2000	4.00	5.00	100	6.00	4.00	15.0	40.0	2.00	100	----	----	6.00	50.0	2.00	----	----	----	----	----	----	----	----
Site Background Wells																																			
WAP-1	Background	2/18/2025	AG25121		26.6	6.1	8.58	<0.10	41.1	62.5	4.63	<5.0	<5.0	40.3	<0.5	<0.5	<5.0	0.65	<0.100	<1.0	<5.0	<0.2	<5.0	0.883	1	1.88	<10.0	<1.0	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	4.34	5.3	5.7	36.5	<0.5	<0.5	<5.0	0.94	<0.10	<1.0	<5.0	<0.2	<5.0	1.63	0.513	2.14	<10.0	<1.0	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	2	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	<5.0	<5.0	16.1	<0.5	<0.5	<5.0	0.61	<0.10	<1.0	<5.0	<0.2	<5.0	0.607	0.847	1.45	<10.0	<1.0	7.93	24.04	4.16	37	15.25	318	8.8	2.56
WBW-1	Background	6/25/2025	AG36911		22.8	1.4	2.4	<0.10	6.11	30	3.78	<5.0	<5.0	22.2	<0.5	<0.5	<5.0	<0.5	<0.10	<1.0	<5.0	<0.2	<5.0	0.248	1.99	2.24	<10.0	<1.0	8.39	23.58	3.78	36	24.05	338	2.1	1.54
WBW-1	**total samples**				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Slurry Pond 3 and 4 Wells																																			
WAP-4	Assessment	2/19/2025	AG25126		119	53.4	6.44	<0.100	6.34	222.5	7.36	6.3	<5.0	29.1	<0.5	<0.5	<5.0	<0.5	<0.100	<1.0	7.8	<0.2	<5.0	0.442	0.311	0.753	<10.0	<1.0	7.81	12.53	7.36	351	17.87	-82	3.8	0.300
WAP-4	Assessment	6/26/2025	AG36875		110	53.8	6.67	<0.10	6.46	200	7.29	<5.0	<5.0	29.2	<0.5	<0.5	<5.0	0.65	<0.10	<1.0	10.1	<0.2	<5.0	1.92	0.949	2.87	<10.0	<1.0	7.46	12.88	7.29	361	23.06	-109	1.5	0.520
WAP-4	**total samples**				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
WAP-14	Assessment	2/20/2025	AG25139		8020	1140	1410	0.796	798	4610	7.72	7.3	23.8	42.7	<0.5	<0.5	<5.0	<0.5	0.796	<1.0	<5.0	<0.2	<5.0	2.4	0.752	3.15	<10.0	<1.0	5.80	8.89	7.72	6060	15.17	-400	0.8	0.940
WAP-14	Duplicate	2/20/2025	AG25140		8490	1170	1390	0.805	809	4648	***	7.7	25.3	44	<0.5	<0.5	<5.0	<0.5	0.805	<1.0	<5.0	<0.2	<5.0	1.04	1.31	2.35	<10.0	<1.0	***	***	***	***	***	***	***	***
WAP-14	Assessment	7/9/2025	AG36887		9200	953	1340	0.97	781	4925	7.65	<5.0	18.7	41.1	<0.5	<0.5	<5.0	<0.5	0.97	<1.0	<5.0	<0.2	<5.0	0.67	1.74	2.41	<10.0	<1.0	6.02	8.67	7.65	5180	26.26	-410	2.6	0.640
WAP-14	Duplicate	7/9/2025	AG36888		8880	968	1340	1.04	790	4968	***	<5.0	21.2	41.3	<0.5	<0.5	<5.0	<0.5	1.04	<1.0	<5.0	<0.2	<5.0	0.697	1.96	2.66	<10.0	<1.0	***	***	***	***	***	***	***	***
WAP-14	**total samples**				4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2	2	2	2	2
WAP-14A	CMA/NE	2/20/2025	AG25141		5430	839	969	<0.100	640	3622	7.31	6.2	6.9	80.5	<0.5	<0.5	<5.0	<0.5	<0.100	<1.0	47.2	<0.2	<5.0	0.807	0.768	1.58	<10.0	<1.0	5.21	8.74	7.31	4970	14.11	-379	4.0	0.560
WAP-14A	CMA/NE	7/9/2025	AG36889		6380	882	1160	0.14	721	4678	7.23	<5.0	9.1	85.4	<0.5	<0.5	<5.0	<0.5	0.14	<1.0	53.5	<0.2	<5.0	0.606	1.16	1.77	<10.0	<1.0	5.67	8.28	7.23	4850	26.70	-388	3.6	0.730
WAP-14A	**total samples**				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
WAP-14B	CMA/NE	2/20/2025	AG25142		6550	748	788	<0.100	580	3222	7.14	5.6	6.7	142	<0.5	<0.5	<5.0	<0.5	<0.100	<1.0	15.5	<0.2	<5.0	7.83	1.84	9.67	<10.0	<1.0	5.34	3.89	7.14	4350	12.65	-370	54.5	0.360
WAP-14B	CMA/NE	7/15/2025	AG36890		7030	724	958	<0.10	645	3315	7.04	<5.0	<5.0	144	<0.5	<0.5	<5.0	<0.5	<0.10	<1.0	18.2	<0.2	<5.0	6.06	1.53	7.59	<10.0	<1.0	5.26	3.97	7.04	4150	23.09	-360	16.7	0.830
WAP-14B	**total samples**				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
WAP-14C	CMA/NE	2/20/2025	AG25143		249	198	294	<0.100	119	1122	7.06	5.8	<5.0	91.6	<0.5	<0.5	<5.0	1.5	<0.100	<1.0	18.7	<0.2	<5.0	1.91	1.3	3.21	<10.0	<1.0	10.51	3.37	7.06	1720	13.86	-203	10.4	0.300
WAP-14C	CMA/NE	7/9/2025	AG36891		190	187	323	<0.10	123	1192	7.25	<5.0	<5.0	91.6	<0.5	<0.5	<5.0	<0.5	<0.10	<1.0	16.7	<0.2	<5.0	1.13	0.202	1.33	<10.0	<1.0	10.53	3.35	7.25	1500	27.12	-188	3.4	0.370
WAP-14C	**total samples**				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
WAP-15	Assessment	2/19/2025	AG25144		4400	569	823	0.345	486	2795	6.53	5.6	<5.0	229	<0.5	<0.5	<5.0	<0.5	0.345	<1.0	69.2	<0.2	<5.0	2.25	2.32	4.57	<10.0	<1.0	8.15	12.26	6.53	3540	17.34	-32	28.9	0.360
WAP-15	Assessment	7/8/2025	AG36892		4590	588	870	0.34	565	3322	6.85	<5.0	<5.0	259	<0.5	<0.5	<5.0	<0.5	0.34	<1.0	68.7	<0.2	<5.0	3.11	2.57	5.68	<10.0	<1.0	7.22	13.19	6.85	3440	25.33	-91	2.7	2.690
WAP-15	**total samples**				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
WAP-16	Assessment	2/19/2025	AG25145		2270	243	260	0.198	264	1250	6.72	<5.0	<5.0	96.9	<0.5	<0.5	<5.0	<0.5	0.198	<1.0	<5.0	<0.2	<5.0	1.05	1.2	2.25	<10.0	<1.0	11.54	13.54	6.72	1990	18.36	-86	8.5	0.510
WAP-16	Assessment	7/9/2025	AG36893		2850	219	251	0.19	297	1228	6.82	<5.0	<5.0	92.7	<0.5	<0.5	<5.0	<0.5	0.19	<1.0	8.46	<0.2	<5.0	1.3	2.63	3.93	<10.0	<1.0	10.25	14.83	6.82	1950	24.19	-110	3.1	0.280
WAP-16	**total samples**				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
WAP-29	Assessment	2/20/2025	AG25162		6740	417	567	<0.100	444	2210	6.26	5.6	<5.0	29.9	<0.5	<0.5	<5.0	4.9	<0.100	<1.0	<5.0	<0.2	<5.0	1.24	0.626	1.87	<10.0	<1.0	7.42	4.92	6.26	2860	15.28	-17	5.2	0.450
WAP-29	Assessment	7/8/2025	AG36909		7490	400	610	0.11	463	2595	6.2	<5.0	<5.0	30.6	<0.5	<0.5	<5.0	3.8	0.11	<1.0	<5.0	<0.2	<5.0	0.866	1.38	2.25	<10.0	<1.0	7.30	5.04	6.2	2590	28.87	-13	1.5	0.290
WAP-29	**total samples**				2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Notes:

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

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

NOTES

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

N

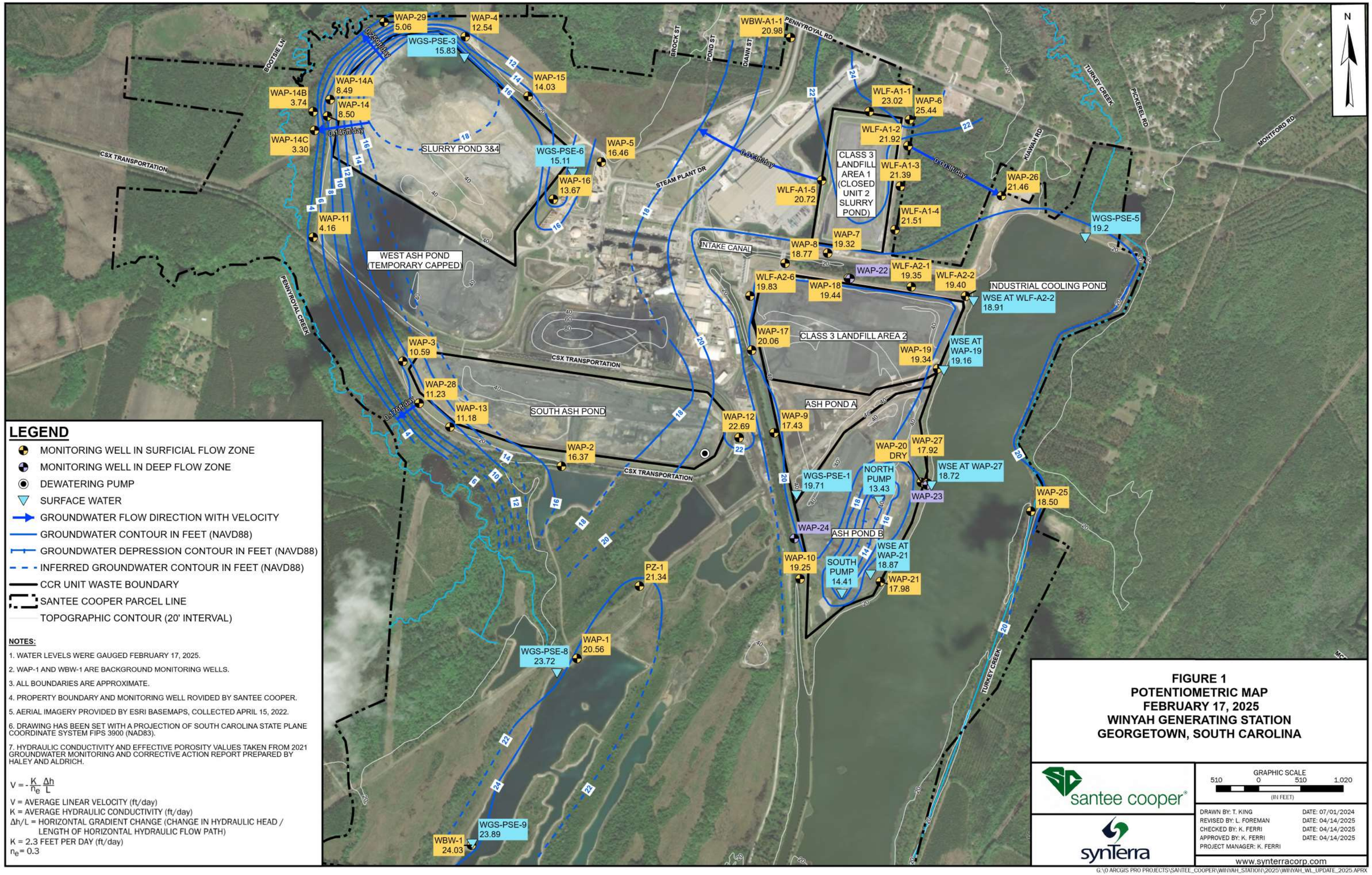
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SCALE IN FEET

SANTEE COOPER
WINYAH GENERATING STATION
GEORGETOWN, SOUTH CAROLINA

LOCATION OF SLURRY POND 3 & 4 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®

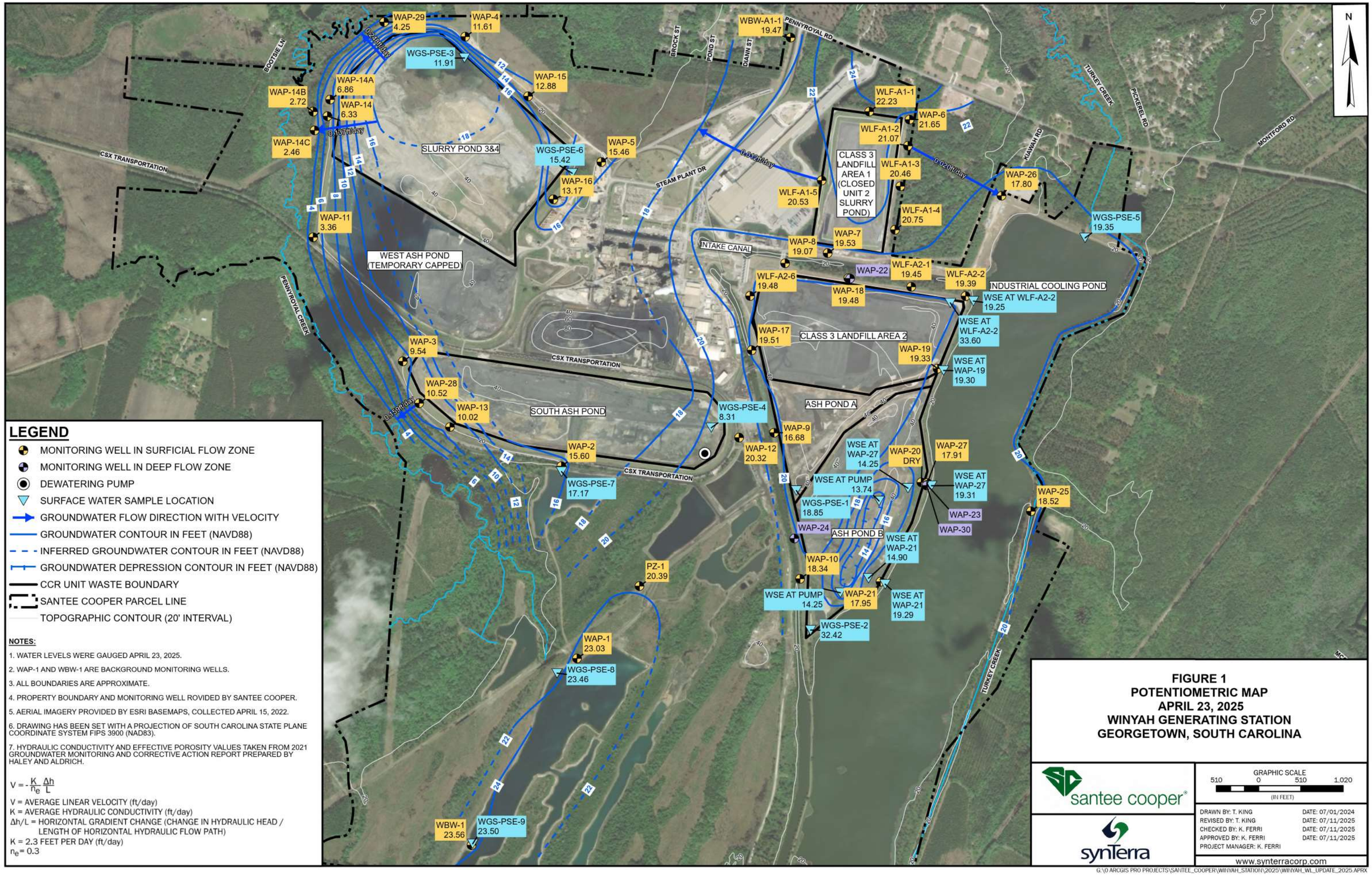
synTerra

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	

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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	

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WAP-29 4.77
WAP-4 13.30
WBW-A1-1 20.76
WGS-PSE-3 16.73
WAP-15 14.44
WAP-14A 8.29
WAP-14B 3.55
WAP-14 8.54
WAP-14C 3.51
WAP-11 3.48
WGS-PSE-6 15.43
WAP-5 16.48
WAP-16 13.71
WLF-A1-1 23.52
WLF-A1-2 22.07
WAP-6 22.35
WLF-A1-3 21.45
WLF-A1-4 21.72
WLF-A1-5 21.07
WAP-26 18.83
WGS-PSE-5 19.85
WAP-7 20.35
WAP-8 19.56
WLF-A2-1 19.98
WLF-A2-6 20.38
WAP-22
WAP-18 20.04
WLF-A2-2 20.00
WAP-17 20.34
WAP-19 20.13
WSE AT WAP-19 19.88
WAP-3 10.74
WAP-28 11.40
WAP-13 11.52
WGS-PSE-4 9.09
WAP-9 17.74
WAP-12 20.88
WSE AT WAP-27 14.82
WAP-20 DRY
WSE AT WAP-27 19.66
WAP-23
WAP-27 18.34
WSE AT PUMP 15.94
WGS-PSE-1 20.61
WAP-30
WAP-25 18.94
WAP-2 15.88
WGS-PSE-7 16.73
WAP-24
WAP-10 19.00
WSE AT WAP-21 15.02
WSE AT WAP-21 19.78
WAP-21 18.45
WSE AT PUMP 14.58
WGS-PSE-2 33.38
PZ-1 20.81
WAP-1 23.25
WGS-PSE-8 23.4
WGS-PSE-9 23.16
WBW-1 23.60

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

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

0.236ft/day
0.300ft/day
0.181ft/day
0.014ft/day
0.020ft/day

N

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	

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

0.138ft/day
0.170ft/day
0.013ft/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

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Appendix A – Statistical Analyses

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

TECHNICAL MEMORANDUM

July 1, 2025
File No. 132892-102

SUBJECT: Statistical Evaluation of the February 2025 Semiannual Groundwater Assessment Monitoring Data, Winyah Generating Station, Slurry Pond 3 & 4

Pursuant to Title 40 Code of Federal Regulations (40 CFR) §257.93 and §257.95 (Rule), this memorandum summarizes the statistical evaluation of the groundwater analytical results obtained from the February 2025 semiannual assessment monitoring event for Winyah Generating Station (WGS) Slurry Pond 3 & 4. 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 WGS Slurry Pond 3 & 4 ceased receipt of coal combustion residual (CCR) material and non-CCR wastewater inflows prior to April 11, 2021. Closure by excavation and removal of CCR material is currently underway.

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

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

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 SSL of Appendix IV parameters above the GWPS. The selected statistical method used for these evaluations is the tolerance limit (TL) for all Appendix IV constituents. This statistical method was certified by Haley & Aldrich on October 12, 2017. The prediction limit (PL) method was also selected for analysis of arsenic and lithium based on findings reported in the ASD completed on September 12, 2019.

A combination of interwell evaluations for all Appendix IV constituents and intrawell evaluations for arsenic and lithium were used for the statistical analysis. Interwell evaluations were performed for

Appendix IV constituents detected downgradient of Slurry Pond 3 & 4 and compared to the most recent values from downgradient compliance wells against a background dataset. Intrawell evaluations were also performed for arsenic and lithium, which compared downgradient well concentrations to baseline datasets composed of data from the same downgradient wells that are unimpacted the Slurry Pond 3 & 4. The GWPS for each of the Appendix IV constituents has been set equal to the highest value between the maximum contaminant level, regional screening level (RSL), and site background concentration(s). Data from the most recent groundwater sampling event from each compliance well were compared to the corresponding GWPS to determine if an SSL existed. The results of the statistical analysis are presented in Table 1.

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

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

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

The background wells (WAP-1 and WBW-1) analytical results from previous events were combined to calculate the UTL for each detected Appendix IV constituent. Variability and distribution of the pooled dataset were reviewed to establish the method for UTL calculation. Variability and distribution of individual downgradient well datasets for arsenic and lithium were also reviewed to establish appropriate UPL calculation methods.

UTL background datasets were based on statistical evaluation of analytical results collected through July 2024, and UPL baseline datasets were based on statistical evaluation of analytical results collected through February 2025. These statistical evaluations follow procedures documented in *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009* (the Unified Guidance), and associated statistical test results are presented in the Statistical Output produced using R

programming software (Attachment A). The UTL background dataset will be updated after four additional data points are collected (second semiannual event of 2025), and the UPL baseline dataset will be updated after four additional data points are collected (second semiannual event of 2026) 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 20 downgradient well/constituent datasets that were evaluated for recent trends, 25 percent had stable trends and 55 percent were variable with no statistically significant trend. A recent increasing trend was identified for lithium at WAP-15, but the event sample concentration (0.0692 milligrams per liter [mg/L]) was well below both the historical maximum value measured in this well and the GWPS (0.22 mg/L). Increasing trends were also identified for antimony at WAP-4, WAP-14, and WAP-15, but recent concentrations in these wells are near the reporting limits and wells below the GWPS (0.025 mg/L). It is important to note that increasing trends are not part of the comparison criteria for triggering an SSL. Trend analysis will continue to be used to monitor and evaluate concentrations in the context of overall site conditions.

RESULTS OF APPENDIX IV DOWNGRADIENT STATISTICAL COMPARISONS

The sample concentrations from the downgradient wells for each of the detected Appendix IV constituents from the February 2025 semiannual assessment monitoring event were compared to their respective GWPS (Table 1). A sample concentration greater than the GWPS is considered to represent an SSL. Interwell comparisons were used for most constituents in downgradient wells. An intrawell comparison was used for arsenic and lithium as supported by the successful 2019 ASD. SSLs were not identified for the February 2025 monitoring event.

Antimony, arsenic, barium, fluoride, lithium, and radium were detected; however, they fell below their respective SSLs. Short-term increases in the concentrations of Appendix IV constituents are not unexpected during dewatering and excavation closure activities. Concentrations are expected to decrease once the closure is complete and groundwater equilibrium is restored. Groundwater trends will continue to be monitored during future sampling events.

Enclosures:

Table 1 – February 2025 Semiannual Assessment Monitoring Data (Slurry Pond 3 & 4)
Attachment A – Statistical Output, February 2025

TABLE

TABLE 1
FEBRUARY 2025 SEMIANNUAL ASSESSMENT MONITORING DATA (SLURRY POND 3&4)
WINYAH GENERATING STATION
SLURRY POND 3&4

Overall Data Summary												Assessment Monitoring Analysis										
Location	Frequency of Detection	Percent of Non-Detect Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	Number of Detected Results MCL/RSL Exceedances	Number of Non-Detect Results MCL/RSL Exceedances	Mann-Kendall Trend [a]	Assumed Data Distribution	Sample Date	February 2025 Concentration	Detect (Y/N)	Inter-well Upper Tolerance Limit (UTL) [b]	Intra-well Upper Prediction Limit (UPL) [c]	Statistically Significant Increase (SSI) *Sample results that exceed the max Upper Limit [d]*	CCR MCL/RSL	Groundwater Protection Standard (GWPS) *Max level between the Max Upper Limit and MCL/RSL*	Lower Confidence Limit (LCL) *Only calculated for GWPS Exceedances*	Statistically Significant Level (SSL) *Result > GWPS and LCL > GWPS*
CCR Appendix IV: Antimony, Total (mg/L)																						
WBW-1	0/21	100%	0.005 - 0.025	0.0060	0.005	0.005	NA	73%	0	1	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.005	No	0.025	NA	NA	0.006	0.025	NA	NA
WAP-1	0/21	100%	0.002 - 0.025	0.0058	0.005	0.0050	NA	77%	0	1	Not Evaluated		2/18/2025	0.005	No		NA	NA			NA	NA
WAP-4	2/20	90%	0.002 - 0.025	0.0058	0.005	0.0072	0.0063	80%	1	1	Increasing	NA	2/19/2025	0.0063	Yes		NA	No			NA	NA
WAP-14	3/20	85%	0.002 - 0.025	0.0058	0.005	0.0082	0.0073	80%	1	1	Increasing	NA	2/20/2025	0.0073	Yes		NA	No			NA	No
WAP-15	2/20	90%	0.002 - 0.025	0.0058	0.005	0.007	0.0056	81%	0	1	Increasing	NA	2/19/2025	0.0056	Yes		NA	No			NA	No
WAP-16	0/20	100%	0.002 - 0.025	0.0057	0.005	0.006	NA	81%	0	1	Not Evaluated	NA	2/19/2025	0.005	No		NA	No			NA	No
CCR Appendix IV: Arsenic, Total (mg/L)																						
WBW-1	0/23	100%	0.003 - 0.005	0.0045	0.005	0.005	NA	20%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.005	No	0.0096	NA	NA	0.01	NA	NA	NA
WAP-1	6/25	76%	0.003 - 0.005	0.00541	0.005	0.00846	0.0096	28%	0	0	No Trend		2/18/2025	0.005	No		NA	NA		NA	NA	NA
WAP-4	1/26	96%	0.003 - 0.005	0.00444	0.005	0.00500	0.00044	26%	0	0	Not Evaluated	Non-Parametric	2/19/2025	0.005	No		0.005	No		0.01	NA	No
WAP-14	22/24	8%	0.003 - 0.005	0.0206	0.017	0.046	0.0475	57%	21	0	No Trend	Normal	2/20/2025	0.0238	Yes		0.058	No		0.058	NA	No
WAP-15	8/24	67%	0.003 - 0.005	0.00499	0.005	0.006	0.0084	24%	0	0	Not Evaluated	Non-Parametric	2/19/2025	0.005	No		0.0084	No		0.01	NA	No
WAP-16	1/24	96%	0.003 - 0.005	0.00432	0.005	0.00500	0.00063	27%	0	0	Not Evaluated	Non-Parametric	2/19/2025	0.005	No		0.005	No		0.01	NA	No
CCR Appendix IV: Barium, Total (mg/L)																						
WBW-1	23/23	0%	NA	0.018	0.015	0.043	0.0534	62%	0	0	Stable	Non-Parametric (Pooled Background Data)	2/18/2025	0.0161	Yes	0.094	NA	NA	2	2	NA	NA
WAP-1	25/25	0%	NA	0.042	0.0434	0.081	0.094	63%	0	0	Stable		2/18/2025	0.0403	Yes		NA	NA			NA	NA
WAP-4	26/26	0%	NA	0.044	0.043	0.061	0.0818	24%	0	0	Probably Decreasing	NA	2/19/2025	0.0291	Yes		NA	No			NA	No
WAP-14	24/24	0%	NA	0.055	0.051	0.078	0.093	21%	0	0	Stable	NA	2/20/2025	0.0427	Yes		NA	No			NA	No
WAP-15	24/24	0%	NA	0.236	0.233	0.334	0.413	36%	0	0	No Trend	NA	2/19/2025	0.229	Yes		NA	Yes			NA	No
WAP-16	24/24	0%	NA	0.11	0.09	0.18	0.18	32%	0	0	No Trend	NA	2/19/2025	0.0969	Yes		NA	Yes			NA	No
CCR Appendix IV: Beryllium, Total (mg/L)																						
WBW-1	0/21	100%	0.0005 - 0.0005	0.0005	0.0005	0.0005	NA	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.0005	No	0.0005	NA	NA	0.004	0.004	NA	NA
WAP-1	0/21	100%	0.0005 - 0.0005	0.0005	0.0005	0.0005	NA	0%	0	0	Not Evaluated		2/18/2025	0.0005	No		NA	NA			NA	NA
WAP-4	0/20	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
WAP-14	0/20	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	2/20/2025	0.0005	No		NA	No			NA	No
WAP-15	5/20	75%	0.0005 - 0.0005	0.0008	0.0005	0.0026	0.00351	101%	0	0	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
WAP-16	0/20	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
CCR Appendix IV: Cadmium, Total (mg/L)																						
WBW-1	0/22	100%	0.0005 - 0.0005	0.0005	0.0005	0.0005	NA	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.0005	No	0.0005	NA	NA	0.005	0.005	NA	NA
WAP-1	0/24	100%	0.0005 - 0.0005	0.0005	0.0005	0.0005	NA	0%	0	0	Not Evaluated		2/18/2025	0.0005	No		NA	NA			NA	NA
WAP-4	0/25	100%	0.0005 - 0.002	0.0006	0.0005	0.0009	NA	54%	0	0	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
WAP-14	0/20	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	2/20/2025	0.0005	No		NA	No			NA	No
WAP-15	0/20	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
WAP-16	0/20	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
CCR Appendix IV: Chromium, Total (mg/L)																						
WBW-1	1/22	96%	0.005 - 0.005	0.005	0.005	0.005	0.005	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.005	No	0.005	NA	NA	0.1	0.1	NA	NA
WAP-1	0/24	100%	0.005 - 0.005	0.005	0.005	0.005	NA	0%	0	0	Not Evaluated		2/18/2025	0.005	No		NA	NA			NA	NA
WAP-4	2/25	92%	0.005 - 0.01	0.005	0.005	0.009	0.01	31%	0	0	Not Evaluated	NA	2/19/2025	0.005	No		NA	No			NA	No
WAP-14	1/22	96%	0.005 - 0.005	0.005	0.005	0.005	0.0031	8%	0	0	Not Evaluated	NA	2/20/2025	0.005	No		NA	No			NA	No
WAP-15	1/22	96%	0.005 - 0.005	0.005	0.005	0.005	0.0015	15%	0	0	Not Evaluated	NA	2/19/2025	0.005	No		NA	No			NA	No
WAP-16	1/22	96%	0.005 - 0.005	0.005	0.005	0.005	0.0019	14%	0	0	Not Evaluated	NA	2/19/2025	0.005	No		NA	No			NA	No

TABLE 1
FEBRUARY 2025 SEMIANNUAL ASSESSMENT MONITORING DATA (SLURRY POND 3&4)
WINYAH GENERATING STATION
SLURRY POND 3&4

Overall Data Summary												Assessment Monitoring Analysis										
Location	Frequency of Detection	Percent of Non-Detect Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	Number of Detected Results MCL/RSL Exceedances	Number of Non-Detect Results MCL/RSL Exceedances	Mann-Kendall Trend [a]	Assumed Data Distribution	Sample Date	February 2025 Concentration	Detect (Y/N)	Inter-well Upper Tolerance Limit (UTL) [b]	Intra-well Upper Prediction Limit (UPL) [c]	Statistically Significant Increase (SSI) *Sample results that exceed the max Upper Limit [d]*	CCR MCL/RSL	Groundwater Protection Standard (GWPS) *Max level between the Max Upper Limit and MCL/RSL*	Lower Confidence Limit (LCL) *Only calculated for GWPS Exceedances*	Statistically Significant Level (SSL) *Result > GWPS and LCL > GWPS*
CCR Appendix IV: Cobalt, Total (mg/L)																					
WBW-1	8/23	65%	0.0005 - 0.0005	0.0012	0.0005	0.0031	0.00838	148%	1	0	Decreasing	Non-Parametric (Pooled Background Data)	2/18/2025	0.00061	Yes	0.00838	NA	NA	0.006	0.00838	NA	NA
WAP-1	10/23	57%	0.0005 - 0.0005	0.0007	0.0005	0.0015	0.0016	51%	0	0	Probably Decreasing		2/18/2025	0.00065	Yes		NA	NA			NA	NA
WAP-4	1/23	96%	0.0005 - 0.0005	0.0005	0.0005	0.0005	0.00064	6%	0	0	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
WAP-14	2/23	91%	0.0005 - 0.0005	0.0005	0.0005	0.0007	0.00093	18%	0	0	Not Evaluated	NA	2/20/2025	0.0005	No		NA	No			NA	No
WAP-15	7/24	71%	0.0005 - 0.01	0.0015	0.0005	0.0063	0.0066	165%	1	1	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
WAP-16	4/23	83%	0.0005 - 0.0005	0.0005	0.0005	0.0005	0.00056	14%	0	0	Not Evaluated	NA	2/19/2025	0.0005	No		NA	No			NA	No
CCR Appendix IV: Fluoride, Total (mg/L)																					
WBW-1	1/24	96%	0.1 - 0.1	0.100	0.100	0.100	0.1	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.1	No	0.14	NA	NA	4	4	NA	NA
WAP-1	2/24	92%	0.1 - 0.1	0.103	0.100	0.125	0.14	10%	0	0	Not Evaluated		2/18/2025	0.1	No		NA	NA			NA	NA
WAP-4	11/25	56%	0.1 - 0.1	0.103	0.100	0.128	0.13	17%	0	0	Stable	NA	2/19/2025	0.1	No		NA	No			NA	No
WAP-14	23/25	8%	0.1 - 0.1	0.57	0.59	0.98	1.02	47%	0	0	No Trend	NA	2/20/2025	0.796	Yes		NA	Yes			NA	No
WAP-15	21/25	16%	0.1 - 0.1	0.183	0.160	0.334	0.5	51%	0	0	Probably Increasing	NA	2/19/2025	0.345	Yes		NA	Yes			NA	No
WAP-16	19/24	21%	0.1 - 0.1	0.158	0.155	0.240	0.25	30%	0	0	Stable	NA	2/19/2025	0.198	Yes		NA	Yes			NA	No
CCR Appendix IV: Lead, Total (mg/L)																					
WBW-1	0/22	100%	0.001 - 0.01	0.002	0.001	0.010	NA	121%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.001	No	0.01	NA	NA	0.015	0.015	NA	NA
WAP-1	4/24	83%	0.001 - 0.01	0.002	0.001	0.004	0.00456	103%	0	0	Not Evaluated		2/18/2025	0.001	No		NA	NA			NA	NA
WAP-4	1/25	96%	0.001 - 0.0025	0.001	0.001	0.003	0.0031	50%	0	0	Not Evaluated	NA	2/19/2025	0.001	No		NA	No			NA	No
WAP-14	1/23	96%	0.001 - 0.01	0.002	0.001	0.003	0.00039	111%	0	0	Not Evaluated	NA	2/20/2025	0.001	No		NA	No			NA	No
WAP-15	0/23	100%	0.001 - 0.01	0.002	0.001	0.003	NA	108%	0	0	Not Evaluated	NA	2/19/2025	0.001	No		NA	No			NA	No
WAP-16	1/23	96%	0.001 - 0.01	0.002	0.001	0.003	0.0012	108%	0	0	Not Evaluated	NA	2/19/2025	0.001	No		NA	No			NA	No
CCR Appendix IV: Lithium, Total (mg/L)																					
WBW-1	1/23	96%	0.005 - 0.01	0.0089	0.0100	0.0100	0.0099	24%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.005	No	0.0116	NA	NA	0.04	NA	NA	NA
WAP-1	1/23	96%	0.005 - 0.01	0.0088	0.0100	0.0100	0.0116	26%	0	0	Not Evaluated		2/18/2025	0.005	No		NA	NA		NA	NA	NA
WAP-4	15/24	38%	0.005 - 0.01	0.0116	0.0100	0.0165	0.031	44%	0	0	No Trend	Non-Parametric	2/19/2025	0.0078	Yes		0.031	No		0.04	NA	No
WAP-14	5/24	79%	0.005 - 0.05	0.0255	0.0100	0.0959	0.27	220%	2	1	No Trend	Non-Parametric	2/20/2025	0.005	No		0.27	No		0.27	NA	No
WAP-15	21/24	13%	0.01 - 0.01	0.0453	0.0422	0.0757	0.22	92%	13	0	Increasing	Non-Parametric	2/19/2025	0.0692	Yes		0.22	No		0.22	NA	No
WAP-16	4/24	83%	0.005 - 0.25	0.0192	0.0100	0.0100	0.00916	257%	0	1	No Trend	Non-Parametric	2/19/2025	0.005	No		0.25	No		0.25	NA	No
CCR Appendix IV: Mercury, Total (mg/L)																					
WBW-1	1/21	95%	0.0002 - 0.0002	0.0002	0.0002	0.0002	0.0002	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.0002	No	0.0002	NA	NA	0.002	0.002	NA	NA
WAP-1	0/21	100%	0.0002 - 0.0002	0.0002	0.0002	0.0002	NA	0%	0	0	Not Evaluated		2/18/2025	0.0002	No		NA	NA			NA	NA
WAP-4	0/20	100%	0.0002 - 0.0002	0.0002	0.0002	0.0002	NA	0%	0	0	Not Evaluated	NA	2/19/2025	0.0002	No		NA	No			NA	No
WAP-14	0/20	100%	0.0002 - 0.001	0.0002	0.0002	0.0002	NA	75%	0	0	Not Evaluated	NA	2/20/2025	0.0002	No		NA	No			NA	No
WAP-15	0/20	100%	0.0002 - 0.0002	0.0002	0.0002	0.0002	NA	0%	0	0	Not Evaluated	NA	2/19/2025	0.0002	No		NA	No			NA	No
WAP-16	0/20	100%	0.0002 - 0.0002	0.0002	0.0002	0.0002	NA	0%	0	0	Not Evaluated	NA	2/19/2025	0.0002	No		NA	No			NA	No
CCR Appendix IV: Molybdenum, Total (mg/L)																					
WBW-1	0/23	100%	0.005 - 0.05	0.011	0.010	0.010	NA	83%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.005	No	0.05	NA	NA	0.1	0.1	NA	NA
WAP-1	0/23	100%	0.005 - 0.01	0.009	0.010	0.010	NA	26%	0	0	Not Evaluated		2/18/2025	0.005	No		NA	NA			NA	NA
WAP-4	0/20	100%	0.005 - 0.04	0.010	0.010	0.012	NA	74%	0	0	Not Evaluated	NA	2/19/2025	0.005	No		NA	No			NA	No
WAP-14	0/20	100%	0.005 - 0.4	0.028	0.010	0.030	NA	310%	0	1	Not Evaluated	NA	2/20/2025	0.005	No		NA	No			NA	No
WAP-15	0/21	100%	0.005 - 0.4	0.029	0.010	0.050	NA	292%	0	1	Not Evaluated	NA	2/19/2025	0.005	No		NA	No			NA	No
WAP-16	0/20	100%	0.005 - 0.2	0.018	0.010	0.020	NA	235%	0	1	Not Evaluated	NA	2/19/2025	0.005	No		NA	No			NA	No

TABLE 1
FEBRUARY 2025 SEMIANNUAL ASSESSMENT MONITORING DATA (SLURRY POND 3&4)
WINYAH GENERATING STATION
SLURRY POND 3&4

Overall Data Summary												Assessment Monitoring Analysis										
Location	Frequency of Detection	Percent of Non-Detect Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	Number of Detected Results MCL/RSL Exceedances	Number of Non-Detect Results MCL/RSL Exceedances	Mann-Kendall Trend [a]	Assumed Data Distribution	Sample Date	February 2025 Concentration	Detect (Y/N)	Inter-well Upper Tolerance Limit (UTL) [b]	Intra-well Upper Prediction Limit (UPL) [c]	Statistically Significant Increase (SSI) *Sample results that exceed the max Upper Limit [d]*	CCR MCL/RSL	Groundwater Protection Standard (GWPS) *Max level between the Max Upper Limit and MCL/RSL*	Lower Confidence Limit (LCL) *Only calculated for GWPS Exceedances*	Statistically Significant Level (SSL) *Result > GWPS and LCL > GWPS*
CCR Appendix IV: Radium 226 & Radium 228, Total (pCi/L)																						
WBW-1	16/23	30%	0 - 4	2.89	4.00	4.33	4.39	51%	0	0	Stable	Non-Parametric (Pooled Background Data)	2/18/2025	1.45	Yes	5.97	NA	NA	5	5.97	NA	NA
WAP-1	18/23	22%	4 - 4	3.28	4.00	5.67	5.97	48%	4	0	Stable		2/18/2025	1.88	Yes		NA	NA			NA	NA
WAP-4	21/24	13%	4 - 4	3.12	2.57	5.94	7.15	59%	4	0	Stable	NA	2/19/2025	0.753	Yes		NA	No			NA	No
WAP-14	22/24	8%	4 - 4	3.54	3.18	5.88	7.4	44%	4	0	No Trend	NA	2/20/2025	3.15	Yes		NA	No			NA	No
WAP-15	24/24	0%	NA	4.45	4.63	6.64	6.92	34%	8	0	No Trend	NA	2/19/2025	4.57	Yes		NA	No			NA	No
WAP-16	23/24	4%	4 - 4	4.03	3.98	6.83	8.4	44%	7	0	Stable	NA	2/19/2025	2.25	Yes		NA	No			NA	No
CCR Appendix IV: Selenium, Total (mg/L)																						
WBW-1	0/22	100%	0.0025 - 0.02	0.011	0.010	0.020	NA	41%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.01	No	0.02	NA	NA	0.05	0.05	NA	NA
WAP-1	0/24	100%	0.0025 - 0.02	0.011	0.010	0.020	NA	37%	0	0	Not Evaluated		2/18/2025	0.01	No		NA	NA			NA	NA
WAP-4	0/25	100%	0.0025 - 0.02	0.010	0.010	0.020	NA	41%	0	0	Not Evaluated	NA	2/19/2025	0.01	No		NA	No			NA	No
WAP-14	1/20	95%	0.0025 - 0.02	0.011	0.010	0.020	0.0021	48%	0	0	Not Evaluated	NA	2/20/2025	0.01	No		NA	No			NA	No
WAP-15	1/20	95%	0.0025 - 0.02	0.011	0.010	0.020	0.00095	49%	0	0	Not Evaluated	NA	2/19/2025	0.01	No		NA	No			NA	No
WAP-16	0/20	100%	0.0025 - 0.02	0.011	0.010	0.020	NA	45%	0	0	Not Evaluated	NA	2/19/2025	0.01	No		NA	No			NA	No
CCR Appendix IV: Thalium, Total (mg/L)																						
WBW-1	0/21	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	2/18/2025	0.001	No	0.001	NA	NA	0.002	0.002	NA	NA
WAP-1	0/21	100%	0.0001 - 0.001	0.001	0.001	0.001	NA	21%	0	0	Not Evaluated		2/18/2025	0.001	No		NA	NA			NA	NA
WAP-4	0/20	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	NA	2/19/2025	0.001	No		NA	No			NA	No
WAP-14	0/20	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	NA	2/20/2025	0.001	No		NA	No			NA	No
WAP-15	0/20	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	NA	2/19/2025	0.001	No		NA	No			NA	No
WAP-16	0/20	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	NA	2/19/2025	0.001	No		NA	No			NA	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] Interwell Tolerance Limits are calculated from data collected from pooled upgradient well data (WBW-1 and WAP-1) through July 2024. No statistical outlier data points were removed from background datasets.

[c] Intra-well upper prediction limits calculated for arsenic and lithium only from well-specific baseline data collected through January 2025. No statistical outlier data points were removed from baseline datasets.

[d] The max upper limit for arsenic and lithium is the maximum between the inter-well UTL and intra-well UPL, and is the inter-well UTL for other constituents.

MCL/RSL: Maximum contaminant level/Regional screening level

mg/L: milligrams per liter, pCi/L: picocuries per liter

NA: not applicable

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
Pooled Background	Antimony	mg/L	42	42	100	0.025	0.002	0.00588	0.005	0.0044	74	0.002 - 0.025	2015-11-10 to 2025-02-18
WAP-1	Antimony	mg/L	21	21	100	0.025	0.002	0.00581	0.005	0.0044	76.5	0.002 - 0.025	2015-11-10 to 2025-02-18
WAP-14	Antimony	mg/L	20	17	85	0.025	0.002	0.00582	0.005	0.0046	79.8	0.002 - 0.025	2015-11-12 to 2025-02-20
WAP-15	Antimony	mg/L	20	18	90	0.025	0.002	0.00575	0.005	0.0046	80.5	0.002 - 0.025	2015-11-12 to 2025-02-19
WAP-16	Antimony	mg/L	20	20	100	0.025	0.002	0.0057	0.005	0.0046	81.3	0.002 - 0.025	2015-11-12 to 2025-02-19
WAP-4	Antimony	mg/L	20	18	90	0.025	0.002	0.00578	0.005	0.0046	80.1	0.002 - 0.025	2015-11-12 to 2025-02-19
WBW-1	Antimony	mg/L	21	21	100	0.025	0.005	0.00595	0.005	0.0044	73.3	0.005 - 0.025	2015-11-10 to 2025-02-18
Pooled Background	Arsenic	mg/L	48	42	88	0.0096	0.003	0.00496	0.005	0.0013	26.5	0.003 - 0.005	2015-11-10 to 2025-02-18
WAP-1	Arsenic	mg/L	25	19	76	0.0096	0.003	0.00541	0.005	0.0015	27.6	0.003 - 0.005	2015-11-10 to 2025-02-18
WAP-14	Arsenic	mg/L	24	2	8	0.0475	0.003	0.0206	0.01705	0.012	57	0.003 - 0.005	2015-11-12 to 2025-02-20
WAP-15	Arsenic	mg/L	24	16	67	0.0084	0.003	0.00499	0.005	0.0012	24.1	0.003 - 0.005	2015-11-12 to 2025-02-19
WAP-16	Arsenic	mg/L	24	23	96	0.005	0.00063	0.00432	0.005	0.0012	27.3	0.003 - 0.005	2015-11-12 to 2025-02-19
WAP-4	Arsenic	mg/L	26	25	96	0.005	0.00044	0.00444	0.005	0.0011	25.7	0.003 - 0.005	2015-11-12 to 2025-02-19
WBW-1	Arsenic	mg/L	23	23	100	0.005	0.003	0.00448	0.005	0.0009	20.1	0.003 - 0.005	2015-11-10 to 2025-02-18
Pooled Background	Barium	mg/L	48	0	0	0.094	0.0058	0.0306	0.02145	0.024	77.9	NA	2015-11-10 to 2025-02-18
WAP-1	Barium	mg/L	25	0	0	0.094	0.0058	0.0422	0.0434	0.027	63.2	NA	2015-11-10 to 2025-02-18
WAP-14	Barium	mg/L	24	0	0	0.093	0.0427	0.0554	0.0505	0.012	20.9	NA	2015-11-12 to 2025-02-20
WAP-15	Barium	mg/L	24	0	0	0.413	0.069	0.236	0.2325	0.084	35.7	NA	2015-11-12 to 2025-02-19
WAP-16	Barium	mg/L	24	0	0	0.18	0.0702	0.109	0.0945	0.035	32.3	NA	2015-11-12 to 2025-02-19
WAP-4	Barium	mg/L	26	0	0	0.0818	0.0291	0.0439	0.04295	0.011	24.4	NA	2015-11-12 to 2025-02-19
WBW-1	Barium	mg/L	23	0	0	0.0534	0.0072	0.0181	0.015	0.011	62	NA	2015-11-10 to 2025-02-18
Pooled Background	Beryllium	mg/L	42	42	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-02-18
WAP-1	Beryllium	mg/L	21	21	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-02-18
WAP-14	Beryllium	mg/L	20	20	100	0.001	0.0005	0.000525	0.0005	0.00011	21.3	0.0005 - 0.001	2015-11-12 to 2025-02-20
WAP-15	Beryllium	mg/L	20	15	75	0.00351	0.00026	0.000803	0.0005	0.00081	101	0.0005 - 0.0005	2015-11-12 to 2025-02-19
WAP-16	Beryllium	mg/L	20	20	100	0.001	0.0005	0.000525	0.0005	0.00011	21.3	0.0005 - 0.001	2015-11-12 to 2025-02-19
WAP-4	Beryllium	mg/L	20	20	100	0.001	0.0005	0.000525	0.0005	0.00011	21.3	0.0005 - 0.001	2015-11-12 to 2025-02-19
WBW-1	Beryllium	mg/L	21	21	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-02-18
Pooled Background	Cadmium	mg/L	46	46	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-02-18
WAP-1	Cadmium	mg/L	24	24	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-02-18
WAP-14	Cadmium	mg/L	20	20	100	0.001	0.0005	0.000525	0.0005	0.00011	21.3	0.0005 - 0.001	2015-11-12 to 2025-02-20
WAP-15	Cadmium	mg/L	20	20	100	0.001	0.0005	0.000525	0.0005	0.00011	21.3	0.0005 - 0.001	2015-11-12 to 2025-02-19
WAP-16	Cadmium	mg/L	20	20	100	0.001	0.0005	0.000525	0.0005	0.00011	21.3	0.0005 - 0.001	2015-11-12 to 2025-02-19
WAP-4	Cadmium	mg/L	25	25	100	0.002	0.0005	0.00058	0.0005	0.00031	53.8	0.0005 - 0.002	2015-11-12 to 2025-02-19
WBW-1	Cadmium	mg/L	22	22	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-02-18
Pooled Background	Chromium	mg/L	46	45	98	0.005	0.005	0.005	0.005	0	0	0.005 - 0.005	2015-11-10 to 2025-02-18
WAP-1	Chromium	mg/L	24	24	100	0.005	0.005	0.005	0.005	0	0	0.005 - 0.005	2015-11-10 to 2025-02-18
WAP-14	Chromium	mg/L	22	21	95	0.005	0.0031	0.00491	0.005	0.00041	8.24	0.005 - 0.005	2015-11-12 to 2025-02-20
WAP-15	Chromium	mg/L	22	21	95	0.005	0.0015	0.00484	0.005	0.00075	15.4	0.005 - 0.005	2015-11-12 to 2025-02-19
WAP-16	Chromium	mg/L	22	21	95	0.005	0.0019	0.00486	0.005	0.00066	13.6	0.005 - 0.005	2015-11-12 to 2025-02-19
WAP-4	Chromium	mg/L	25	23	92	0.01	0.0012	0.00525	0.005	0.0016	30.8	0.005 - 0.01	2015-11-12 to 2025-02-19
WBW-1	Chromium	mg/L	22	21	95	0.005	0.005	0.005	0.005	0	0	0.005 - 0.005	2015-11-10 to 2025-02-18
Pooled Background	Cobalt	mg/L	46	28	61	0.00838	0.0005	0.000942	0.0005	0.0013	133	0.0005 - 0.0005	2015-11-10 to 2025-02-18
WAP-1	Cobalt	mg/L	23	13	57	0.0016	0.0005	0.000715	0.0005	0.00036	50.7	0.0005 - 0.0005	2015-11-10 to 2025-02-18
WAP-14	Cobalt	mg/L	23	21	91	0.00093	0.0005	0.000527	0.0005	9.7e-05	18.4	0.0005 - 0.0005	2015-11-12 to 2025-02-20
WAP-15	Cobalt	mg/L	24	17	71	0.01	0.00021	0.00145	0.0005	0.0024	165	0.0005 - 0.01	2015-11-12 to 2025-02-19
WAP-16	Cobalt	mg/L	23	19	83	0.00056	0.00019	0.00049	0.0005	6.7e-05	13.6	0.0005 - 0.0005	2015-11-12 to 2025-02-19
WAP-4	Cobalt	mg/L	23	22	96	0.00064	0.0005	0.000506	0.0005	2.9e-05	5.77	0.0005 - 0.0005	2015-11-12 to 2025-02-19
WBW-1	Cobalt	mg/L	23	15	65	0.00838	0.0005	0.00117	0.0005	0.0017	148	0.0005 - 0.0005	2015-11-10 to 2025-02-18
Pooled Background	Fluoride	mg/L	48	45	94	0.14	0.1	0.101	0.1	0.0071	7.04	0.1 - 0.1	2015-11-10 to 2025-02-18
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-14	Fluoride	mg/L	25	2	8	1.02	0.1	0.569	0.59	0.27	47.4	0.1 - 0.1	2015-11-12 to 2025-02-20
WAP-15	Fluoride	mg/L	25	4	16	0.5	0.1	0.183	0.16	0.094	51.4	0.1 - 0.1	2015-11-12 to 2025-02-19
WAP-16	Fluoride	mg/L	24	5	21	0.25	0.1	0.158	0.155	0.047	30	0.1 - 0.1	2015-11-12 to 2025-02-19
WAP-4	Fluoride	mg/L	25	14	56	0.13	0.033	0.103	0.1	0.018	17.1	0.1 - 0.1	2015-11-12 to 2025-02-19
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
Pooled Background	Lead	mg/L	46	42	91	0.01	0.001	0.00202	0.001	0.0023	112	0.001 - 0.01	2015-11-10 to 2025-02-18
WAP-1	Lead	mg/L	24	20	83	0.01	0.001	0.00189	0.001	0.0019	103	0.001 - 0.01	2015-11-10 to 2025-02-18
WAP-14	Lead	mg/L	23	22	96	0.01	0.00039	0.00173	0.001	0.0019	111	0.001 - 0.01	2015-11-12 to 2025-02-20
WAP-15	Lead	mg/L	23	23	100	0.01	0.001	0.00176	0.001	0.0019	108	0.001 - 0.01	2015-11-12 to 2025-02-19
WAP-16	Lead	mg/L	23	22	96	0.01	0.001	0.00177	0.001	0.0019	108	0.001 - 0.01	2015-11-12 to 2025-02-19
WAP-4	Lead	mg/L	25	24	96	0.0031	0.001	0.00142	0.001	0.00071	50	0.001 - 0.0025	2015-11-12 to 2025-02-19
WBW-1	Lead	mg/L	22	22	100	0.01	0.001	0.00216	0.001	0.0026	121	0.001 - 0.01	2015-11-10 to 2025-02-18
Pooled Background	Lithium	mg/L	46	44	96	0.0116	0.005	0.00884	0.01	0.0022	24.8	0.005 - 0.01	2015-11-10 to 2025-02-18
WAP-1	Lithium	mg/L	23	22	96	0.0116	0.005	0.00877	0.01	0.0023	26.4	0.005 - 0.01	2015-11-10 to 2025-02-18
WAP-14	Lithium	mg/L	24	19	79	0.27	0.005	0.0255	0.01	0.056	220	0.005 - 0.05	2015-11-12 to 2025-02-20
WAP-15	Lithium	mg/L	24	3	12	0.22	0.01	0.0453	0.0422	0.041	91.5	0.01 - 0.01	2015-11-12 to 2025-02-19
WAP-16	Lithium	mg/L	24	20	83	0.25	0.005	0.0192	0.01	0.049	257	0.005 - 0.25	2015-11-12 to 2025-02-19
WAP-4	Lithium	mg/L	24	9	38	0.031	0.005	0.0116	0.01	0.0051	43.9	0.005 - 0.01	2015-11-12 to 2025-02-19
WBW-1	Lithium	mg/L	23	22	96	0.01	0.005	0.00891	0.01	0.0021	23.6	0.005 - 0.01	2015-11-10 to 2025-02-18
Pooled Background	Mercury	mg/L	42	41	98	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-10 to 2025-02-18
WAP-1	Mercury	mg/L	21	21	100	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-10 to 2025-02-18
WAP-14	Mercury	mg/L	20	20	100	0.001	0.0002	0.00024	0.0002	0.00018	74.5	0.0002 - 0.001	2015-11-12 to 2025-02-20
WAP-15	Mercury	mg/L	20	20	100	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-12 to 2025-02-19
WAP-16	Mercury	mg/L	20	20	100	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-12 to 2025-02-19
WAP-4	Mercury	mg/L	20	20	100	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-12 to 2025-02-19
WBW-1	Mercury	mg/L	21	20	95	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-10 to 2025-02-18
Pooled Background	Molybdenum	mg/L	46	46	100	0.05	0.005	0.00967	0.01	0.0064	66.6	0.005 - 0.05	2015-11-10 to 2025-02-18
WAP-1	Molybdenum	mg/L	23	23	100	0.01	0.005	0.0087	0.01	0.0022	25.8	0.005 - 0.01	2015-11-10 to 2025-02-18
WAP-14	Molybdenum	mg/L	20	20	100	0.4	0.005	0.0283	0.01	0.088	310	0.005 - 0.4	2015-11-12 to 2025-02-20
WAP-15	Molybdenum	mg/L	21	21	100	0.4	0.005	0.0293	0.01	0.085	292	0.005 - 0.4	2015-11-12 to 2025-02-19
WAP-16	Molybdenum	mg/L	20	20	100	0.2	0.005	0.0183	0.01	0.043	235	0.005 - 0.2	2015-11-12 to 2025-02-19
WAP-4	Molybdenum	mg/L	20	20	100	0.04	0.005	0.01	0.01	0.0074	74.3	0.005 - 0.04	2015-11-12 to 2025-02-19

Note:

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

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
WBW-1	Molybdenum	mg/L	23	23	100	0.05	0.005	0.0107	0.01	0.0088	82.9	0.005 - 0.05	2015-11-10 to 2025-02-18
Pooled Background	Radium-226 & 228	pCi/L	46	12	26	5.97	0	3.08	4	1.5	48.9	0 - 4	2015-11-10 to 2025-02-18
WAP-1	Radium-226 & 228	pCi/L	23	5	22	5.97	0.952	3.28	4	1.6	47.6	4 - 4	2015-11-10 to 2025-02-18
WAP-14	Radium-226 & 228	pCi/L	24	2	8	7.4	1.01	3.54	3.185	1.5	43.6	4 - 4	2015-11-12 to 2025-02-20
WAP-15	Radium-226 & 228	pCi/L	24	0	0	6.92	0.983	4.45	4.63	1.5	33.8	NA	2015-11-12 to 2025-02-19
WAP-16	Radium-226 & 228	pCi/L	24	1	4	8.4	1.11	4.03	3.98	1.8	44	4 - 4	2015-11-12 to 2025-02-19
WAP-4	Radium-226 & 228	pCi/L	24	3	12	7.15	0.549	3.12	2.567	1.8	58.9	4 - 4	2015-11-12 to 2025-02-19
WBW-1	Radium-226 & 228	pCi/L	23	7	30	4.39	0	2.89	4	1.5	50.7	0 - 4	2015-11-10 to 2025-02-18
Pooled Background	Selenium	mg/L	46	46	100	0.02	0.0025	0.011	0.01	0.0043	38.8	0.0025 - 0.02	2015-11-10 to 2025-02-18
WAP-1	Selenium	mg/L	24	24	100	0.02	0.0025	0.0107	0.01	0.004	37.3	0.0025 - 0.02	2015-11-10 to 2025-02-18
WAP-14	Selenium	mg/L	20	19	95	0.02	0.0021	0.011	0.01	0.0053	47.8	0.0025 - 0.02	2015-11-12 to 2025-02-20
WAP-15	Selenium	mg/L	20	19	95	0.02	0.00095	0.0109	0.01	0.0054	49.1	0.0025 - 0.02	2015-11-12 to 2025-02-19
WAP-16	Selenium	mg/L	20	20	100	0.02	0.0025	0.0111	0.01	0.005	45.2	0.0025 - 0.02	2015-11-12 to 2025-02-19
WAP-4	Selenium	mg/L	25	25	100	0.02	0.0025	0.0103	0.01	0.0042	41	0.0025 - 0.02	2015-11-12 to 2025-02-19
WBW-1	Selenium	mg/L	22	22	100	0.02	0.0025	0.0112	0.01	0.0046	41	0.0025 - 0.02	2015-11-10 to 2025-02-18
Pooled Background	Thallium	mg/L	42	42	100	0.001	0.0001	0.000979	0.001	0.00014	14.2	0.0001 - 0.001	2015-11-10 to 2025-02-18
WAP-1	Thallium	mg/L	21	21	100	0.001	0.0001	0.000957	0.001	0.0002	20.5	0.0001 - 0.001	2015-11-10 to 2025-02-18
WAP-14	Thallium	mg/L	20	20	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-12 to 2025-02-20
WAP-15	Thallium	mg/L	20	20	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-12 to 2025-02-19
WAP-16	Thallium	mg/L	20	20	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-12 to 2025-02-19
WAP-4	Thallium	mg/L	20	20	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-12 to 2025-02-19
WBW-1	Thallium	mg/L	21	21	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-10 to 2025-02-18

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)
Pooled Background	Antimony	NA	NA	42	42	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Antimony	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Antimony	0.507	3.7e-07	20	17	Not normal	Not normal
WAP-15	Antimony	0.515	4.4e-07	20	18	Not normal	Not normal
WAP-16	Antimony	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Antimony	0.526	5.5e-07	20	18	Not normal	Not normal
WBW-1	Antimony	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
Pooled Background	Arsenic	0.543	5.3e-11	48	42	Not normal	Not normal
WAP-1	Arsenic	0.648	1.6e-06	25	19	Not normal	Not normal
WAP-14	Arsenic	0.895	0.016	24	2	Not normal	Normal
WAP-15	Arsenic	0.763	7.7e-05	24	16	Not normal	Not normal
WAP-16	Arsenic	0.623	1.1e-06	24	23	Not normal	Not normal
WAP-4	Arsenic	0.556	9.5e-08	26	25	Not normal	Not normal
WBW-1	Arsenic	NA	NA	23	23	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
Pooled Background	Barium	0.853	2.7e-05	48	0	Not normal	Not normal
WAP-1	Barium	0.940	0.15	25	0	Normal	Normal
WAP-14	Barium	0.758	6.5e-05	24	0	Not normal	Not normal
WAP-15	Barium	0.983	0.95	24	0	Normal	Normal
WAP-16	Barium	0.838	0.0013	24	0	Not normal	Not normal
WAP-4	Barium	0.848	0.0013	26	0	Not normal	Not normal
WBW-1	Barium	0.747	6.1e-05	23	0	Not normal	Not normal
Pooled Background	Beryllium	NA	NA	42	42	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Beryllium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Beryllium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Beryllium	0.487	2.4e-07	20	15	Not normal	Not normal
WAP-16	Beryllium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Beryllium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Beryllium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
Pooled Background	Cadmium	NA	NA	46	46	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Cadmium	NA	NA	24	24	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Cadmium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Cadmium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Cadmium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Cadmium	NA	NA	25	25	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Cadmium	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
Pooled Background	Chromium	0.133	5.4e-15	46	45	Not normal	Not normal
WAP-1	Chromium	NA	NA	24	24	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Chromium	0.221	7.4e-10	22	21	Not normal	Not normal
WAP-15	Chromium	0.221	7.4e-10	22	21	Not normal	Not normal
WAP-16	Chromium	0.221	7.4e-10	22	21	Not normal	Not normal
WAP-4	Chromium	0.356	1.8e-09	25	23	Not normal	Not normal
WBW-1	Chromium	0.221	7.4e-10	22	21	Not normal	Not normal

Location	Constituent	Shapiro-Wilk Test for Normality (R programming, package = stats, version 4.3.3, function = shapiro.test, non-detects substituted by 0.5*reporting limit) W statistic	p-value	Sample Count (n)	Non-Detect Count (n)	Data Normality (significance level = 0.05)	Data Normality (significance level = 0.01)
Pooled Background	Cobalt	0.447	6.2e-12	46	28	Not normal	Not normal
WAP-1	Cobalt	0.729	3.4e-05	23	13	Not normal	Not normal
WAP-14	Cobalt	0.333	3e-09	23	21	Not normal	Not normal
WAP-15	Cobalt	0.530	1.1e-07	24	17	Not normal	Not normal
WAP-16	Cobalt	0.478	5.3e-08	23	19	Not normal	Not normal
WAP-4	Cobalt	0.215	4e-10	23	22	Not normal	Not normal
WBW-1	Cobalt	0.489	6.8e-08	23	15	Not normal	Not normal
Pooled Background	Fluoride	0.266	4.1e-14	48	45	Not normal	Not normal
WAP-1	Fluoride	0.321	1.5e-09	24	22	Not normal	Not normal
WAP-14	Fluoride	0.969	0.61	25	2	Normal	Normal
WAP-15	Fluoride	0.893	0.013	25	4	Not normal	Normal
WAP-16	Fluoride	0.925	0.075	24	5	Normal	Normal
WAP-4	Fluoride	0.750	3.7e-05	25	14	Not normal	Not normal
WBW-1	Fluoride	0.209	2.2e-10	24	23	Not normal	Not normal
Pooled Background	Lead	0.519	4.5e-11	46	42	Not normal	Not normal
WAP-1	Lead	0.560	2.3e-07	24	20	Not normal	Not normal
WAP-14	Lead	0.443	2.6e-08	23	22	Not normal	Not normal
WAP-15	Lead	NA	NA	23	23	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Lead	0.453	3.1e-08	23	22	Not normal	Not normal
WAP-4	Lead	0.529	7.4e-08	25	24	Not normal	Not normal
WBW-1	Lead	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
Pooled Background	Lithium	0.616	9.9e-10	46	44	Not normal	Not normal
WAP-1	Lithium	0.611	1.2e-06	23	22	Not normal	Not normal
WAP-14	Lithium	0.340	2.2e-09	24	19	Not normal	Not normal
WAP-15	Lithium	0.649	2.3e-06	24	3	Not normal	Not normal
WAP-16	Lithium	0.246	4e-10	24	20	Not normal	Not normal
WAP-4	Lithium	0.818	0.00058	24	9	Not normal	Not normal
WBW-1	Lithium	0.629	1.9e-06	23	22	Not normal	Not normal
Pooled Background	Mercury	0.142	2.8e-14	42	41	Not normal	Not normal
WAP-1	Mercury	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Mercury	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Mercury	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Mercury	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Mercury	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Mercury	0.228	1.4e-09	21	20	Not normal	Not normal
Pooled Background	Molybdenum	NA	NA	46	46	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Molybdenum	NA	NA	23	23	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Molybdenum	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Molybdenum	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Molybdenum	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Molybdenum	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Molybdenum	NA	NA	23	23	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
Pooled Background	Radium-226 & 228	0.891	0.00045	46	12	Not normal	Not normal
WAP-1	Radium-226 & 228	0.834	0.0014	23	5	Not normal	Not normal
WAP-14	Radium-226 & 228	0.933	0.11	24	2	Normal	Normal
WAP-15	Radium-226 & 228	0.953	0.32	24	0	Normal	Normal
WAP-16	Radium-226 & 228	0.969	0.64	24	1	Normal	Normal

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)
		Shapiro-Wilk Test for Normality (R programming, package = stats, version 4.3.3, function = shapiro.test, non-detects substituted by 0.5*reporting limit)					
WAP-4	Radium-226 & 228	0.904	0.027	24	3	Not normal	Normal
WBW-1	Radium-226 & 228	0.894	0.019	23	7	Not normal	Normal
Pooled Background	Selenium	NA	NA	46	46	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Selenium	NA	NA	24	24	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Selenium	0.757	0.00021	20	19	Not normal	Not normal
WAP-15	Selenium	0.766	0.00028	20	19	Not normal	Not normal
WAP-16	Selenium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Selenium	NA	NA	25	25	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Selenium	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
Pooled Background	Thallium	NA	NA	42	42	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Thallium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Thallium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Thallium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Thallium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Thallium	NA	NA	20	20	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Thallium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results

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
Pooled Background	Antimony	42	42	Rosner	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Antimony	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Antimony	20	17	Dixon	0.995	0	NA	NA	Yes	No
WAP-15	Antimony	20	18	Dixon	0.98	0	NA	NA	Yes	No
WAP-16	Antimony	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Antimony	20	18	Dixon	0.985	0	NA	NA	Yes	No
WBW-1	Antimony	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
Pooled Background	Arsenic	48	42	Rosner	3.523, 3.198, 3.478	NA	3.112, 3.103, 3.094	3	NA	No
WAP-1	Arsenic	25	19	Dixon	0.2826	0.4965	NA	NA	No	No
WAP-14	Arsenic	24	2	Dixon	0.1207	0.4608	NA	NA	No	No
WAP-15	Arsenic	24	16	Dixon	0.4259	0.08024	NA	NA	No	No
WAP-16	Arsenic	24	23	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-4	Arsenic	26	25	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WBW-1	Arsenic	23	23	Dixon	All results are non-detect	NA	NA	NA	NA	No
Pooled Background	Barium	48	0	Rosner	2.654, 2.329, 2.509	NA	3.112, 3.103, 3.094	0	NA	No
WAP-1	Barium	25	0	Dixon	0.1511	0.6865	NA	NA	No	No
WAP-14	Barium	24	0	Dixon	0.531	0.007417	NA	NA	Yes	No
WAP-15	Barium	24	0	Dixon	0.2842	0.518	NA	NA	No	No
WAP-16	Barium	24	0	Dixon	0.0498	0.1081	NA	NA	No	No
WAP-4	Barium	26	0	Rosner	3.54, 2.725, 1.959	NA	2.841, 2.822, 2.802	1	NA	No
WBW-1	Barium	23	0	Dixon	0.4943	0.02517	NA	NA	Yes	No
Pooled Background	Beryllium	42	42	Rosner	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Beryllium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Beryllium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Beryllium	20	15	Dixon	0.701	0	NA	NA	Yes	No
WAP-16	Beryllium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Beryllium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Beryllium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
Pooled Background	Cadmium	46	46	Rosner	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Cadmium	24	24	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Cadmium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Cadmium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Cadmium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Cadmium	25	25	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Cadmium	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
Pooled Background	Chromium	46	45	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-1	Chromium	24	24	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Chromium	22	21	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-15	Chromium	22	21	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-16	Chromium	22	21	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-4	Chromium	25	23	Dixon	1	0	NA	NA	Yes	No
WBW-1	Chromium	22	21	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
Pooled Background	Cobalt	46	28	Rosner	5.931, 4.175, 3.556	NA	3.094, 3.085, 3.076	3	NA	No
WAP-1	Cobalt	23	13	Dixon	0.1727	0.7719	NA	NA	No	No
WAP-14	Cobalt	23	21	Dixon	1	0	NA	NA	Yes	No
WAP-15	Cobalt	24	17	Dixon	0.5579	0	NA	NA	Yes	No
WAP-16	Cobalt	23	19	Dixon	0.9687	0	NA	NA	Yes	No
WAP-4	Cobalt	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WBW-1	Cobalt	23	15	Dixon	0.7716	0	NA	NA	Yes	No
Pooled Background	Fluoride	48	45	Rosner	5.396, 6.71, NA	NA	3.112, 3.103, 3.094	2	NA	No
WAP-1	Fluoride	24	22	Dixon	1	0	NA	NA	Yes	No
WAP-14	Fluoride	25	2	Dixon	0.04938	0.1109	NA	NA	No	No
WAP-15	Fluoride	25	4	Dixon	0.525	0.006667	NA	NA	Yes	No
WAP-16	Fluoride	24	5	Dixon	0.06667	0.1683	NA	NA	No	No
WAP-4	Fluoride	25	14	Dixon	0.7701	0	NA	NA	Yes	No
WBW-1	Fluoride	24	23	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
Pooled Background	Lead	46	42	Rosner	3.522, 4.201, 5.53	NA	3.094, 3.085, 3.076	3	NA	No
WAP-1	Lead	24	20	Dixon	0.8333	0	NA	NA	Yes	No
WAP-14	Lead	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-15	Lead	23	23	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Lead	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-4	Lead	25	24	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WBW-1	Lead	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
Pooled Background	Lithium	46	44	Rosner	1.754, 1.838, 1.936	NA	3.094, 3.085, 3.076	0	NA	No
WAP-1	Lithium	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-14	Lithium	24	19	Dixon	0.8302	0	NA	NA	Yes	No
WAP-15	Lithium	24	3	Dixon	0.7181	0	NA	NA	Yes	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-16	Lithium	24	20	Dixon	0.9826	0	NA	NA	Yes	No
WAP-4	Lithium	24	9	Dixon	0.6306	0	NA	NA	Yes	No
WBW-1	Lithium	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
Pooled Background	Mercury	42	41	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-1	Mercury	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Mercury	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Mercury	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Mercury	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Mercury	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Mercury	21	20	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
Pooled Background	Molybdenum	46	46	Rosner	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Molybdenum	23	23	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Molybdenum	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Molybdenum	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Molybdenum	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Molybdenum	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Molybdenum	23	23	Dixon	All results are non-detect	NA	NA	NA	NA	No
Pooled Background	Radium-226 & 228	46	12	Rosner	2.045, 1.941, 1.89	NA	3.094, 3.085, 3.076	0	NA	No
WAP-1	Radium-226 & 228	23	5	Dixon	0.2022	0.9681	NA	NA	No	No
WAP-14	Radium-226 & 228	24	2	Dixon	0.2697	0.5913	NA	NA	No	No
WAP-15	Radium-226 & 228	24	0	Dixon	0.3282	0.3271	NA	NA	No	No
WAP-16	Radium-226 & 228	24	1	Dixon	0.3412	0.2804	NA	NA	No	No
WAP-4	Radium-226 & 228	24	3	Dixon	0.2393	0.757	NA	NA	No	No
WBW-1	Radium-226 & 228	23	7	Dixon	0.1449	0.5931	NA	NA	No	No
Pooled Background	Selenium	46	46	Rosner	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Selenium	24	24	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Selenium	20	19	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-15	Selenium	20	19	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-16	Selenium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Selenium	25	25	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Selenium	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
Pooled Background	Thallium	42	42	Rosner	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Thallium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Thallium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Thallium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Thallium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Thallium	20	20	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Thallium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	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)
Pooled Background	Antimony	Not Evaluated - No detected results.	Not Evaluated - No detected results.	42	0	0.74	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0	NA	NA	NA	NA
WAP-1	Antimony	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.765	NA	NA	NA	NA	8	0	2019-01-23 to 2025-02-18	0.229	NA	NA	NA	NA
WAP-14	Antimony	Not Evaluated - Majority of data (>75%) non-detect.	Increasing	20	3	0.77	NA	NA	NA	NA	8	2	2018-03-29 to 2025-02-20	0.614	0.713	0.0315	96.9	16
WAP-15	Antimony	Not Evaluated - Majority of data (>75%) non-detect.	Increasing	20	2	0.778	NA	NA	NA	NA	8	2	2018-03-29 to 2025-02-19	0.52	0.713	0.0315	96.9	16
WAP-16	Antimony	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.813	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0.229	NA	NA	NA	NA
WAP-4	Antimony	Not Evaluated - Majority of data (>75%) non-detect.	Increasing	20	2	0.782	NA	NA	NA	NA	8	2	2018-03-29 to 2025-02-19	0.556	0.713	0.0315	96.9	16
WBW-1	Antimony	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.733	NA	NA	NA	NA	8	0	2019-01-23 to 2025-02-18	0	NA	NA	NA	NA
Pooled Background	Arsenic	Not Evaluated - Majority of data (>75%) non-detect.	Stable	48	6	0.621	NA	NA	NA	NA	8	3	2022-07-06 to 2025-02-18	0.709	-0.161	0.69	31	-4
WAP-1	Arsenic	Not Evaluated - Majority of data (>75%) non-detect.	No Trend	25	6	0.65	NA	NA	NA	NA	8	5	2019-05-30 to 2025-02-18	0.521	0.189	0.61	39	5
WAP-14	Arsenic	No Trend	No Trend	24	22	0.587	0.211	0.157	84.3	58	8	8	2019-06-18 to 2025-02-20	0.443	0.214	0.536	46.4	6
WAP-15	Arsenic	Decreasing	Not Evaluated - Only one detected result.	24	8	0.546	-0.354	0.0276	97.2	-82	8	1	2019-06-11 to 2025-02-19	0.364	NA	NA	NA	NA
WAP-16	Arsenic	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	24	1	0.252	NA	NA	NA	NA	8	0	2019-06-19 to 2025-02-19	0.267	NA	NA	NA	NA
WAP-4	Arsenic	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	26	1	0.243	NA	NA	NA	NA	8	0	2019-06-18 to 2025-02-19	0.244	NA	NA	NA	NA
WBW-1	Arsenic	Not Evaluated - No detected results.	Not Evaluated - No detected results.	23	0	0.201	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0.267	NA	NA	NA	NA
Pooled Background	Barium	Increasing	Stable	48	48	0.779	0.297	0.00307	99.7	334	8	8	2022-07-06 to 2025-02-18	0.594	-0.5	0.108	89.2	-14
WAP-1	Barium	Increasing	Stable	25	25	0.632	0.471	0.00107	99.9	141	8	8	2019-05-30 to 2025-02-18	0.256	-0.0364	1	0	-1
WAP-14	Barium	Decreasing	Stable	24	24	0.209	-0.519	0.000426	100	-143	8	8	2019-06-18 to 2025-02-20	0.0867	-0.286	0.386	61.4	-8
WAP-15	Barium	Stable	No Trend	24	24	0.357	-0.0797	0.602	39.8	-22	8	8	2019-06-11 to 2025-02-19	0.414	0.214	0.536	46.4	6
WAP-16	Barium	Decreasing	No Trend	24	24	0.323	-0.579	0.0000876	100	-159	8	8	2019-06-19 to 2025-02-19	0.107	0.143	0.711	28.9	4
WAP-4	Barium	Decreasing	Probably Decreasing	26	26	0.244	-0.481	0.000633	99.9	-156	8	8	2019-06-18 to 2025-02-19	0.114	-0.571	0.0635	93.7	-16
WBW-1	Barium	No Trend	Stable	23	23	0.62	0.159	0.303	69.7	40	8	8	2019-05-30 to 2025-02-18	0.492	-0.357	0.266	73.4	-10
Pooled Background	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	42	0	0	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0	NA	NA	NA	NA
WAP-1	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2019-01-23 to 2025-02-18	0	NA	NA	NA	NA
WAP-14	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.213	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-20	0	NA	NA	NA	NA
WAP-15	Beryllium	Probably Decreasing	Not Evaluated - Only one detected result.	20	5	1.45	-0.323	0.0857	91.4	-41	8	1	2018-03-29 to 2025-02-19	0.61	NA	NA	NA	NA
WAP-16	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.213	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WAP-4	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.213	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WBW-1	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2019-01-23 to 2025-02-18	0	NA	NA	NA	NA
Pooled Background	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	46	0	0	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0	NA	NA	NA	NA
WAP-1	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	24	0	0	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0	NA	NA	NA	NA
WAP-14	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.213	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-20	0	NA	NA	NA	NA
WAP-15	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.213	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA

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)
WAP-16	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.213	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WAP-4	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	25	0	0.538	NA	NA	NA	NA	8	0	2019-06-18 to 2025-02-19	0	NA	NA	NA	NA
WBW-1	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	0	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0	NA	NA	NA	NA
Pooled Background	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	46	1	0.144	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0	NA	NA	NA	NA
WAP-1	Chromium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	24	0	0	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0	NA	NA	NA	NA
WAP-14	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	22	1	0.0506	NA	NA	NA	NA	8	0	2019-01-22 to 2025-02-20	0	NA	NA	NA	NA
WAP-15	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	22	1	0.0869	NA	NA	NA	NA	8	0	2019-01-22 to 2025-02-19	0	NA	NA	NA	NA
WAP-16	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	22	1	0.0517	NA	NA	NA	NA	8	0	2019-01-22 to 2025-02-19	0	NA	NA	NA	NA
WAP-4	Chromium	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	25	2	0.561	NA	NA	NA	NA	8	0	2019-06-18 to 2025-02-19	0	NA	NA	NA	NA
WBW-1	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - Only one detected result.	22	1	0.204	NA	NA	NA	NA	8	1	2019-05-30 to 2025-02-18	0.314	NA	NA	NA	NA
Pooled Background	Cobalt	Increasing	Stable	46	18	1.66	0.532	0.00000226	100	439	8	8	2022-07-06 to 2025-02-18	0.556	-0.357	0.266	73.4	-10
WAP-1	Cobalt	Increasing	Probably Decreasing	23	10	0.8	0.537	0.00103	99.9	113	8	8	2019-05-30 to 2025-02-18	0.401	-0.571	0.0635	93.7	-16
WAP-14	Cobalt	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	23	2	0.556	NA	NA	NA	NA	8	0	2019-01-22 to 2025-02-20	0	NA	NA	NA	NA
WAP-15	Cobalt	No Trend	Not Evaluated - Only one detected result.	24	7	1.69	-0.145	0.389	61.1	-30	8	1	2019-06-11 to 2025-02-19	0.864	NA	NA	NA	NA
WAP-16	Cobalt	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	23	4	0.344	NA	NA	NA	NA	8	0	2019-01-22 to 2025-02-19	0	NA	NA	NA	NA
WAP-4	Cobalt	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	23	1	0.305	NA	NA	NA	NA	8	0	2019-01-22 to 2025-02-19	0	NA	NA	NA	NA
WBW-1	Cobalt	Increasing	Decreasing	23	8	1.78	0.517	0.00199	99.8	100	8	8	2019-05-30 to 2025-02-18	1.06	-0.714	0.0187	98.1	-20
Pooled Background	Fluoride	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	48	3	0.338	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0	NA	NA	NA	NA
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-14	Fluoride	No Trend	No Trend	25	23	0.491	0.0168	0.926	7.4	5	8	7	2019-06-18 to 2025-02-20	0.552	0.5	0.108	89.2	14
WAP-15	Fluoride	Stable	Probably Increasing	25	21	0.588	-0.191	0.197	80.3	-56	8	7	2019-06-11 to 2025-02-19	0.769	0.546	0.0809	91.9	15
WAP-16	Fluoride	Stable	Stable	24	19	0.425	-0.0636	0.689	31.1	-17	8	5	2019-01-22 to 2025-02-19	0.555	-0.113	0.799	20.1	-3
WAP-4	Fluoride	Stable	Stable	25	11	0.45	-0.167	0.3	70	-41	8	3	2019-06-18 to 2025-02-19	0.447	-0.321	0.385	61.5	-7
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
Pooled Background	Lead	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	46	4	1.12	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0.505	NA	NA	NA	NA
WAP-1	Lead	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	24	4	1.06	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0.497	NA	NA	NA	NA
WAP-14	Lead	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	23	1	1.09	NA	NA	NA	NA	8	0	2019-06-18 to 2025-02-20	1.13	NA	NA	NA	NA
WAP-15	Lead	Not Evaluated - No detected results.	Not Evaluated - No detected results.	23	0	1.08	NA	NA	NA	NA	8	0	2019-06-11 to 2025-02-19	1.13	NA	NA	NA	NA
WAP-16	Lead	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	23	1	1.04	NA	NA	NA	NA	8	0	2019-06-19 to 2025-02-19	1.13	NA	NA	NA	NA
WAP-4	Lead	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	25	1	0.743	NA	NA	NA	NA	8	0	2019-06-18 to 2025-02-19	0.497	NA	NA	NA	NA
WBW-1	Lead	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	1.21	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	1.13	NA	NA	NA	NA
Pooled Background	Lithium	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - Only one detected result.	46	2	0.366	NA	NA	NA	NA	8	1	2022-07-06 to 2025-02-18	0.764	NA	NA	NA	NA
WAP-1	Lithium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	23	1	0.406	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0.37	NA	NA	NA	NA

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)
WAP-14	Lithium	Not Evaluated - Majority of data (>75%) non-detect.	No Trend	24	5	2.7	NA	NA	NA	NA	8	3	2019-06-18 to 2025-02-20	2.14	0	1	0	0
WAP-15	Lithium	No Trend	Increasing	24	21	0.94	0.0292	0.862	13.8	8	8	7	2019-06-11 to 2025-02-19	0.687	0.643	0.0354	96.5	18
WAP-16	Lithium	Not Evaluated - Majority of data (>75%) non-detect.	No Trend	24	4	2.4	NA	NA	NA	NA	8	4	2019-06-19 to 2025-02-19	0.426	0.0741	0.9	10	2
WAP-4	Lithium	Decreasing	No Trend	24	15	0.632	-0.494	0.00119	99.9	-129	8	5	2019-06-18 to 2025-02-19	0.336	0.182	0.618	38.2	5
WBW-1	Lithium	Not Evaluated - Only one detected result.	Not Evaluated - Only one detected result.	23	1	0.332	NA	NA	NA	NA	8	1	2019-05-30 to 2025-02-18	0.647	NA	NA	NA	NA
Pooled Background	Mercury	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	42	1	0.151	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0	NA	NA	NA	NA
WAP-1	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2019-01-23 to 2025-02-18	0	NA	NA	NA	NA
WAP-14	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.745	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-20	0.943	NA	NA	NA	NA
WAP-15	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WAP-16	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WAP-4	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WBW-1	Mercury	Not Evaluated - Only one detected result.	Not Evaluated - Only one detected result.	21	1	0.208	NA	NA	NA	NA	8	1	2019-01-23 to 2025-02-18	0.314	NA	NA	NA	NA
Pooled Background	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	46	0	0.666	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0	NA	NA	NA	NA
WAP-1	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	23	0	0.258	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0.37	NA	NA	NA	NA
WAP-14	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	3.1	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-20	0.376	NA	NA	NA	NA
WAP-15	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	2.92	NA	NA	NA	NA	8	0	2018-06-07 to 2025-02-19	0.376	NA	NA	NA	NA
WAP-16	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	2.35	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0.376	NA	NA	NA	NA
WAP-4	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.743	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0.37	NA	NA	NA	NA
WBW-1	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	23	0	0.829	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0.376	NA	NA	NA	NA
Pooled Background	Radium-226 & 228	Stable	Stable	46	34	0.559	-0.141	0.179	82.1	-142	8	8	2022-07-06 to 2025-02-18	0.427	-0.286	0.386	61.4	-8
WAP-1	Radium-226 & 228	Stable	Stable	23	18	0.554	-0.19	0.222	77.8	-47	8	8	2019-05-30 to 2025-02-18	0.508	-0.143	0.711	28.9	-4
WAP-14	Radium-226 & 228	Probably Decreasing	No Trend	24	22	0.473	-0.284	0.056	94.4	-78	8	8	2019-06-18 to 2025-02-20	0.2	0.473	0.135	86.5	13
WAP-15	Radium-226 & 228	Probably Decreasing	No Trend	24	24	0.338	-0.258	0.0824	91.8	-71	8	8	2019-06-11 to 2025-02-19	0.433	0.214	0.536	46.4	6
WAP-16	Radium-226 & 228	Decreasing	Stable	24	23	0.461	-0.384	0.0092	99.1	-106	8	8	2019-06-19 to 2025-02-19	0.238	-0.429	0.174	82.6	-12
WAP-4	Radium-226 & 228	Decreasing	Stable	24	21	0.64	-0.35	0.0183	98.2	-96	8	8	2019-06-18 to 2025-02-19	0.87	-0.214	0.536	46.4	-6
WBW-1	Radium-226 & 228	Stable	Stable	23	16	0.558	-0.0776	0.631	36.9	-19	8	8	2019-05-30 to 2025-02-18	0.52	-0.0714	0.902	9.8	-2
Pooled Background	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	46	0	0.388	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0.37	NA	NA	NA	NA
WAP-1	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	24	0	0.373	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0.524	NA	NA	NA	NA
WAP-14	Selenium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	20	1	0.459	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-20	0.572	NA	NA	NA	NA
WAP-15	Selenium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	20	1	0.481	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0.572	NA	NA	NA	NA
WAP-16	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0.452	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0.572	NA	NA	NA	NA
WAP-4	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	25	0	0.41	NA	NA	NA	NA	8	0	2019-06-18 to 2025-02-19	0.524	NA	NA	NA	NA
WBW-1	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	0.41	NA	NA	NA	NA	8	0	2019-05-30 to 2025-02-18	0.572	NA	NA	NA	NA
Pooled Background	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	42	0	0.142	NA	NA	NA	NA	8	0	2022-07-06 to 2025-02-18	0	NA	NA	NA	NA

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)
WAP-1	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.205	NA	NA	NA	NA	8	0	2019-01-23 to 2025-02-18	0	NA	NA	NA	NA
WAP-14	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-20	0	NA	NA	NA	NA
WAP-15	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WAP-16	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WAP-4	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	20	0	0	NA	NA	NA	NA	8	0	2018-03-29 to 2025-02-19	0	NA	NA	NA	NA
WBW-1	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2019-01-23 to 2025-02-18	0	NA	NA	NA	NA

Note:

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

Table A-5. Upper Tolerance Limits (UTLs) & Groundwater Protection Standard (GWPS) Determination

		Interwell Background Data Characterization [a]												Groundwater Protection Standard (GWPS) Determination					UTL Calculation Details		
Constituent	Units	n	n, non-detects	max reporting limit	max detected value	mean	median	min sample date	max sample date	standard deviation	coefficient of variation	Mann Kendall trend	data distribution (Shapiro-Francia) [b]	normalizing data transformation (if any)	UTL	UTL Result Detection Status [c]	MCL/RSL	GWPS	GWPS Source	UTL calculation method	UTL calculation details	Minimum Coverage (%)
Antimony	mg/L	40	40	0.025	NA	0.00593	0.005	2015-11-10	2024-07-01	0.00446	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.025	No	0.006	0.025	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	92.8
Arsenic	mg/L	46	40	0.005	0.0096	0.00496	0.005	2015-11-10	2024-07-01	0.00135	0.271	Increasing	Not normal (Interwell Background)	NA - Original Data	0.0096	Yes	0.01	See Table 6	See Table 6	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.7
Barium	mg/L	46	0	NA	0.094	0.0307	0.0214	2015-11-10	2024-07-01	0.0243	0.789	Increasing	Not normal (Interwell Background)	NA - Original Data	0.094	Yes	2	2	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.7
Beryllium	mg/L	40	40	0.0005	NA	0.0005	0.0005	2015-11-10	2024-07-01	0	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.0005	No	0.004	0.004	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	92.8
Cadmium	mg/L	44	44	0.0005	NA	0.0005	0.0005	2015-11-10	2024-07-01	0	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.0005	No	0.005	0.005	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Chromium	mg/L	44	43	0.005	0.005	0.005	0.005	2015-11-10	2024-07-01	0	NA	Only one unique result.	Not normal (Interwell Background)	NA - Original Data	0.005	No	0.1	0.1	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Cobalt	mg/L	44	28	0.0005	0.00838	0.000956	0.0005	2015-11-10	2024-07-01	0.00128	1.34	Increasing	Not normal (Interwell Background)	NA - Original Data	0.00838	Yes	0.006	0.00838	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Fluoride	mg/L	46	43	0.1	0.14	0.102	0.1	2015-11-10	2024-07-01	0.00729	0.0718	Stable	Not normal (Interwell Background)	NA - Original Data	0.14	Yes	4	4	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.7
Lead	mg/L	44	40	0.01	0.00456	0.00206	0.001	2015-11-10	2024-07-01	0.00231	1.12	No Trend	Not normal (Interwell Background)	NA - Original Data	0.01	No	0.015	0.015	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Lithium	mg/L	44	42	0.01	0.0116	0.00901	0.01	2015-11-10	2024-07-01	0.00207	0.23	Decreasing	Not normal (Interwell Background)	NA - Original Data	0.0116	Yes	0.04	See Table 6	See Table 6	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Mercury	mg/L	40	39	0.0002	0.0002	0.0002	0.0002	2015-11-10	2024-07-01	0	NA	Only one unique result.	Not normal (Interwell Background)	NA - Original Data	0.0002	No	0.002	0.002	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	92.8
Molybdenum	mg/L	44	44	0.05	NA	0.00989	0.01	2015-11-10	2024-07-01	0.00651	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.05	No	0.1	0.1	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Radium-226 & 228	pCi/L	44	12	4	5.97	3.15	4	2015-11-10	2024-07-01	1.51	0.48	Decreasing	Not normal (Interwell Background)	NA - Original Data	5.97	Yes	5	5.97	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Selenium	mg/L	44	44	0.02	NA	0.011	0.01	2015-11-10	2024-07-01	0.00436	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.02	No	0.05	0.05	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Thallium	mg/L	40	40	0.001	NA	0.000978	0.001	2015-11-10	2024-07-01	0.000142	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.001	No	0.002	0.002	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	92.8

Note:

[a] Interwell background datasets are analyte specific and include data collected from background wells. Interwell background datasets were re-tested for outliers, secular trends, and data normality. No outliers were removed.

[b] Parametric tolerance limit calculations were performed on normally distributed background data. If background data were not normally distributed, non-parametric tolerance limit calculations were performed.

[c] In some cases, the maximum value selected as the UTL is a non-detect result with an elevated reporting limit.

Units = mg/L, milligrams per liter. pCi/L = picocuries per liter.

Table A-6. Intrawell Prediction Limit Calculations & Groundwater Protection Standard (GWPS) Determination for Arsenic and Lithium

			Baseline Data Characterization [a]											95% Confidence Parametric Prediction Limit Calculation Details					Non-Parametric Prediction Limit Calculation Details		Prediction Limits		GWPS Determination			
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)	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 (%)	Prediction Limit Calculation Method	UPL	UTL	MCL/RSL	GWPS	GWPS Source
WAP-14	Arsenic	mg/L	Normal at 99% confidence	Parametric	2015-11-12	2025-02-20	24	2	0.0475	0.003	0.02056	0.01172	No Trend	23	4	99.75	0.9975	3.104	NA	NA	Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.2.1)	0.05769	0.0096	0.01	0.05769	UPL
WAP-15	Arsenic	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-12	2025-02-19	24	16	0.0084	0.003	0.004991	0.001203	Decreasing	23	4	NA	NA	NA	85.7	14.3	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.0084	0.0096	0.01	0.01	MCL/RSL
WAP-16	Arsenic	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-12	2025-02-19	24	23	0.005	0.00063	0.004318	0.001178	Stable	23	4	NA	NA	NA	85.7	14.3	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.005	0.0096	0.01	0.01	MCL/RSL
WAP-4	Arsenic	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-12	2025-02-19	26	25	0.005	0.00044	0.00444	0.001143	No Trend	25	4	NA	NA	NA	86.7	13.3	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.005	0.0096	0.01	0.01	MCL/RSL
WAP-14	Lithium	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-12	2025-02-20	24	19	0.27	0.005	0.0255	0.0561	No Trend	23	4	NA	NA	NA	85.7	14.3	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.27	0.0116	0.04	0.27	UPL
WAP-15	Lithium	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-12	2025-02-19	24	3	0.22	0.01	0.04532	0.04144	No Trend	23	4	NA	NA	NA	85.7	14.3	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.22	0.0116	0.04	0.22	UPL
WAP-16	Lithium	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-12	2025-02-19	24	20	0.25	0.005	0.01916	0.0492	No Trend	23	4	NA	NA	NA	85.7	14.3	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.25	0.0116	0.04	0.25	UPL
WAP-4	Lithium	mg/L	Not normal at 99% confidence	Non-Parametric	2015-11-12	2025-02-19	24	9	0.031	0.005	0.01156	0.005075	Decreasing	23	4	NA	NA	NA	85.7	14.3	Non-Parametric Prediction Limit for M Future Values (USEPA, 2009 - Chapter 18.3.1)	0.031	0.0116	0.04	0.04	MCL/RSL

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.

Table A-7. Groundwater Protection Standard (GWPS) Comparison Table

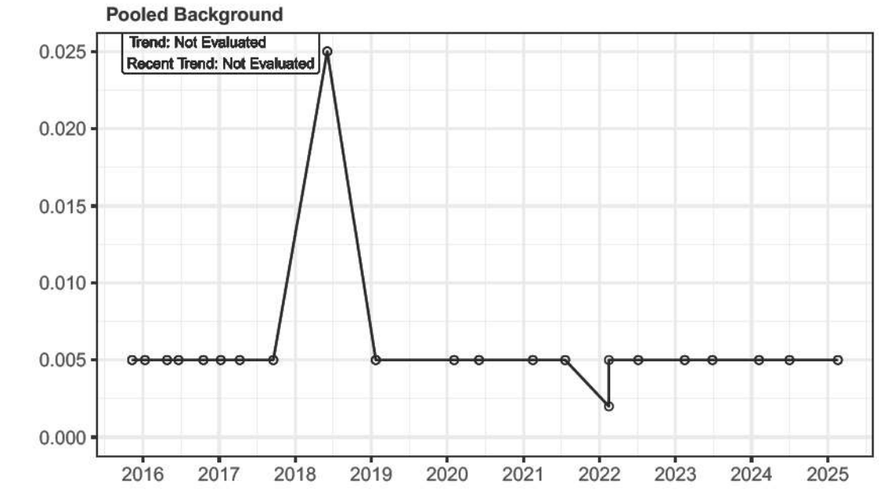
Location	Constituent	Units	Sample Date	Sample Result	Intrawell Upper Prediction Limit (UPL)	Interwell UTL	GWPS	GWPS Exceedance	LCL	SSL Confirmed
WAP-14	Antimony	mg/L	2025-02-20	0.0073	NA	0.025	0.025	No	NA	No
WAP-15	Antimony	mg/L	2025-02-19	0.0056	NA	0.025	0.025	No	NA	No
WAP-16	Antimony	mg/L	2025-02-19	< 0.005	NA	0.025	0.025	No	NA	No
WAP-4	Antimony	mg/L	2025-02-19	0.0063	NA	0.025	0.025	No	NA	No
WAP-14	Arsenic	mg/L	2025-02-20	0.0238	0.0577	0.0096	0.0577	No	NA	No
WAP-15	Arsenic	mg/L	2025-02-19	< 0.005	0.0084	0.0096	0.01	No	NA	No
WAP-16	Arsenic	mg/L	2025-02-19	< 0.005	0.005	0.0096	0.01	No	NA	No
WAP-4	Arsenic	mg/L	2025-02-19	< 0.005	0.005	0.0096	0.01	No	NA	No
WAP-14	Barium	mg/L	2025-02-20	0.0427	NA	0.094	2	No	NA	No
WAP-15	Barium	mg/L	2025-02-19	0.229	NA	0.094	2	No	NA	No
WAP-16	Barium	mg/L	2025-02-19	0.0969	NA	0.094	2	No	NA	No
WAP-4	Barium	mg/L	2025-02-19	0.0291	NA	0.094	2	No	NA	No
WAP-14	Beryllium	mg/L	2025-02-20	< 0.0005	NA	0.0005	0.004	No	NA	No
WAP-15	Beryllium	mg/L	2025-02-19	< 0.0005	NA	0.0005	0.004	No	NA	No
WAP-16	Beryllium	mg/L	2025-02-19	< 0.0005	NA	0.0005	0.004	No	NA	No
WAP-4	Beryllium	mg/L	2025-02-19	< 0.0005	NA	0.0005	0.004	No	NA	No
WAP-14	Cadmium	mg/L	2025-02-20	< 0.0005	NA	0.0005	0.005	No	NA	No
WAP-15	Cadmium	mg/L	2025-02-19	< 0.0005	NA	0.0005	0.005	No	NA	No
WAP-16	Cadmium	mg/L	2025-02-19	< 0.0005	NA	0.0005	0.005	No	NA	No
WAP-4	Cadmium	mg/L	2025-02-19	< 0.0005	NA	0.0005	0.005	No	NA	No
WAP-14	Chromium	mg/L	2025-02-20	< 0.005	NA	0.005	0.1	No	NA	No
WAP-15	Chromium	mg/L	2025-02-19	< 0.005	NA	0.005	0.1	No	NA	No
WAP-16	Chromium	mg/L	2025-02-19	< 0.005	NA	0.005	0.1	No	NA	No
WAP-4	Chromium	mg/L	2025-02-19	< 0.005	NA	0.005	0.1	No	NA	No
WAP-14	Cobalt	mg/L	2025-02-20	< 0.0005	NA	0.00838	0.00838	No	NA	No
WAP-15	Cobalt	mg/L	2025-02-19	< 0.0005	NA	0.00838	0.00838	No	NA	No
WAP-16	Cobalt	mg/L	2025-02-19	< 0.0005	NA	0.00838	0.00838	No	NA	No
WAP-4	Cobalt	mg/L	2025-02-19	< 0.0005	NA	0.00838	0.00838	No	NA	No
WAP-14	Fluoride	mg/L	2025-02-20	0.796	NA	0.14	4	No	NA	No
WAP-15	Fluoride	mg/L	2025-02-19	0.345	NA	0.14	4	No	NA	No
WAP-16	Fluoride	mg/L	2025-02-19	0.198	NA	0.14	4	No	NA	No
WAP-4	Fluoride	mg/L	2025-02-19	< 0.1	NA	0.14	4	No	NA	No
WAP-14	Lead	mg/L	2025-02-20	< 0.001	NA	0.01	0.015	No	NA	No
WAP-15	Lead	mg/L	2025-02-19	< 0.001	NA	0.01	0.015	No	NA	No
WAP-16	Lead	mg/L	2025-02-19	< 0.001	NA	0.01	0.015	No	NA	No
WAP-4	Lead	mg/L	2025-02-19	< 0.001	NA	0.01	0.015	No	NA	No
WAP-14	Lithium	mg/L	2025-02-20	< 0.005	0.27	0.0116	0.27	No	NA	No
WAP-15	Lithium	mg/L	2025-02-19	0.0692	0.22	0.0116	0.22	No	NA	No
WAP-16	Lithium	mg/L	2025-02-19	< 0.005	0.25	0.0116	0.25	No	NA	No
WAP-4	Lithium	mg/L	2025-02-19	0.0078	0.031	0.0116	0.04	No	NA	No
WAP-14	Mercury	mg/L	2025-02-20	< 0.0002	NA	0.0002	0.002	No	NA	No
WAP-15	Mercury	mg/L	2025-02-19	< 0.0002	NA	0.0002	0.002	No	NA	No
WAP-16	Mercury	mg/L	2025-02-19	< 0.0002	NA	0.0002	0.002	No	NA	No
WAP-4	Mercury	mg/L	2025-02-19	< 0.0002	NA	0.0002	0.002	No	NA	No
WAP-14	Molybdenum	mg/L	2025-02-20	< 0.005	NA	0.05	0.1	No	NA	No
WAP-15	Molybdenum	mg/L	2025-02-19	< 0.005	NA	0.05	0.1	No	NA	No

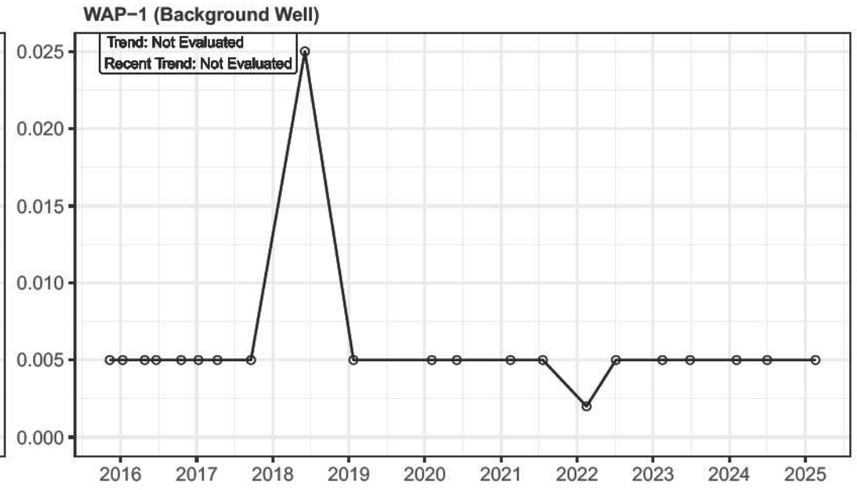
Groundwater Protection Standard (GWPS) is the maximum value between the Interwell Upper Threshold Limit (UTL), the Intrawell Upper Prediction Limit (UPL) for Arsenic and Lithium, and the Maximum Contaminant Level/Regional Screening Level (MCL/RSL). The 95% Lower Confidence Limit (LCL) is calculated if the event sample result exceeded the GWPS. If the LCL is greater than the GWPS, a Statistically Significant Level (SSL) is confirmed.

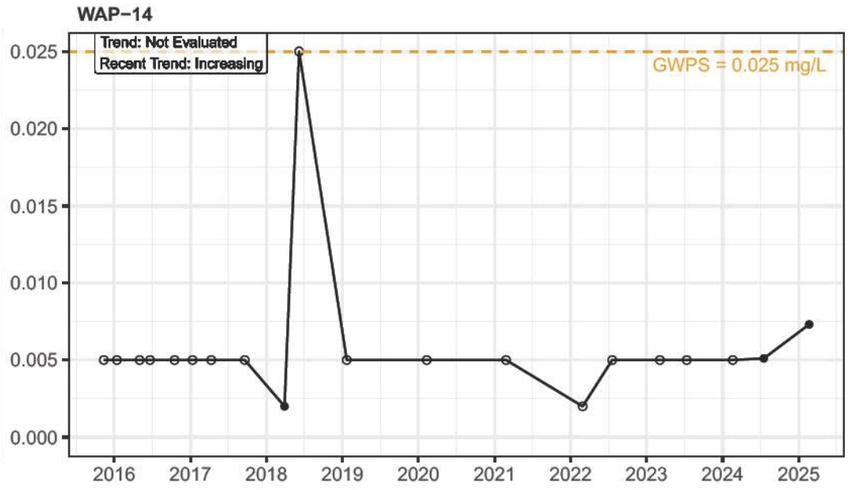
Location	Constituent	Units	Sample Date	Sample Result	Intrawell Upper Prediction Limit (UPL)	Interwell UTL	GWPS	GWPS Exceedance	LCL	SSL Confirmed
WAP-16	Molybdenum	mg/L	2025-02-19	< 0.005	NA	0.05	0.1	No	NA	No
WAP-4	Molybdenum	mg/L	2025-02-19	< 0.005	NA	0.05	0.1	No	NA	No
WAP-14	Radium-226 & 228	pCi/L	2025-02-20	3.15	NA	5.97	5.97	No	NA	No
WAP-15	Radium-226 & 228	pCi/L	2025-02-19	4.57	NA	5.97	5.97	No	NA	No
WAP-16	Radium-226 & 228	pCi/L	2025-02-19	2.25	NA	5.97	5.97	No	NA	No
WAP-4	Radium-226 & 228	pCi/L	2025-02-19	0.753	NA	5.97	5.97	No	NA	No
WAP-14	Selenium	mg/L	2025-02-20	< 0.01	NA	0.02	0.05	No	NA	No
WAP-15	Selenium	mg/L	2025-02-19	< 0.01	NA	0.02	0.05	No	NA	No
WAP-16	Selenium	mg/L	2025-02-19	< 0.01	NA	0.02	0.05	No	NA	No
WAP-4	Selenium	mg/L	2025-02-19	< 0.01	NA	0.02	0.05	No	NA	No
WAP-14	Thallium	mg/L	2025-02-20	< 0.001	NA	0.001	0.002	No	NA	No
WAP-15	Thallium	mg/L	2025-02-19	< 0.001	NA	0.001	0.002	No	NA	No
WAP-16	Thallium	mg/L	2025-02-19	< 0.001	NA	0.001	0.002	No	NA	No
WAP-4	Thallium	mg/L	2025-02-19	< 0.001	NA	0.001	0.002	No	NA	No

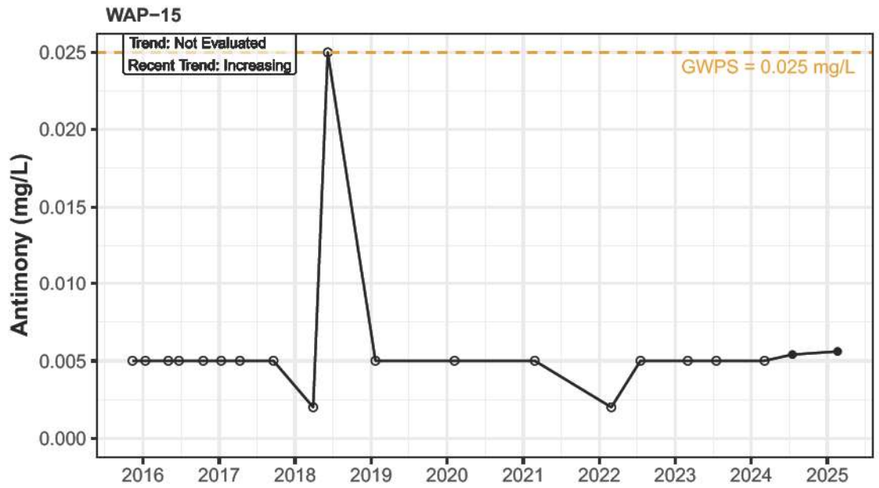
Groundwater Protection Standard (GWPS) is the maximum value between the Interwell Upper Threshold Limit (UTL), the Intrawell Upper Prediction Limit (UPL) for Arsenic and Lithium, and the Maximum Contaminant Level/Regional Screening Level (MCL/RSL). The 95% Lower Confidence Limit (LCL) is calculated if the event sample result exceeded the GWPS. If the LCL is greater than the GWPS, a Statistically Significant Level (SSL) is confirmed.

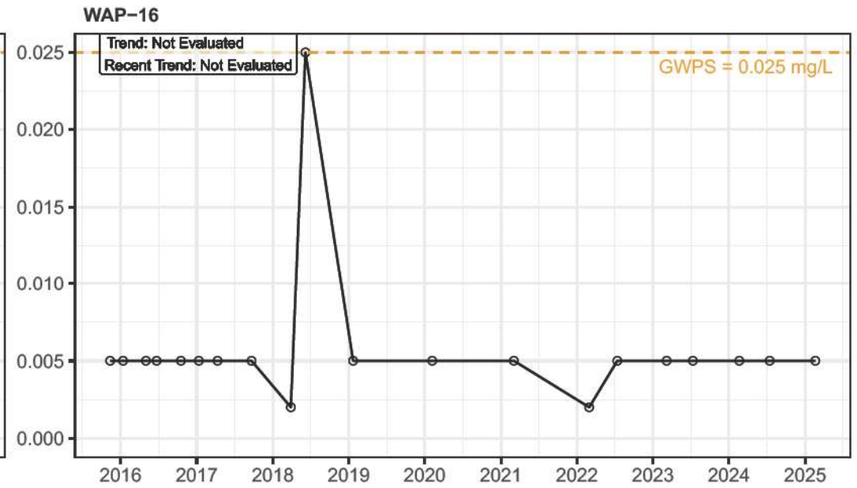
Trend Analysis for Antimony

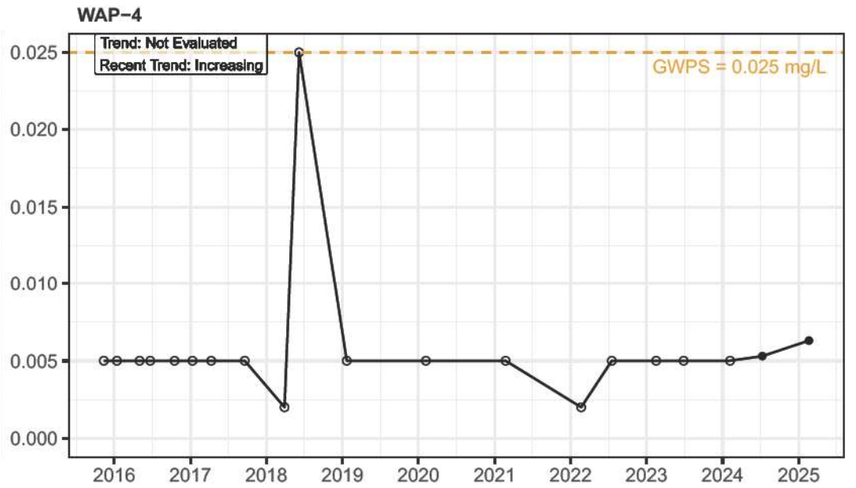


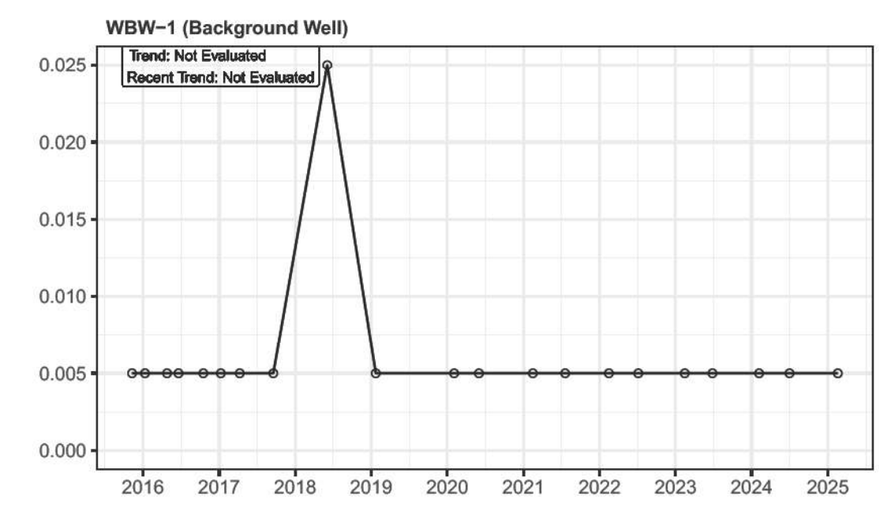












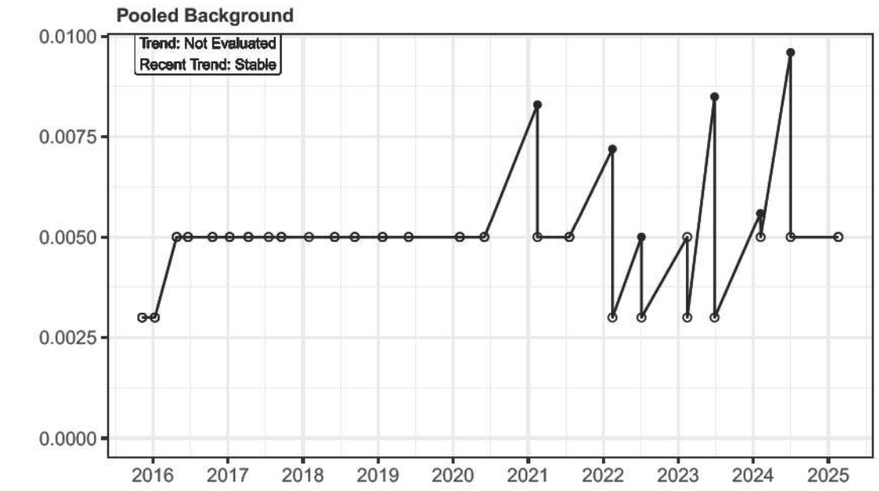
Antimony (mg/L)

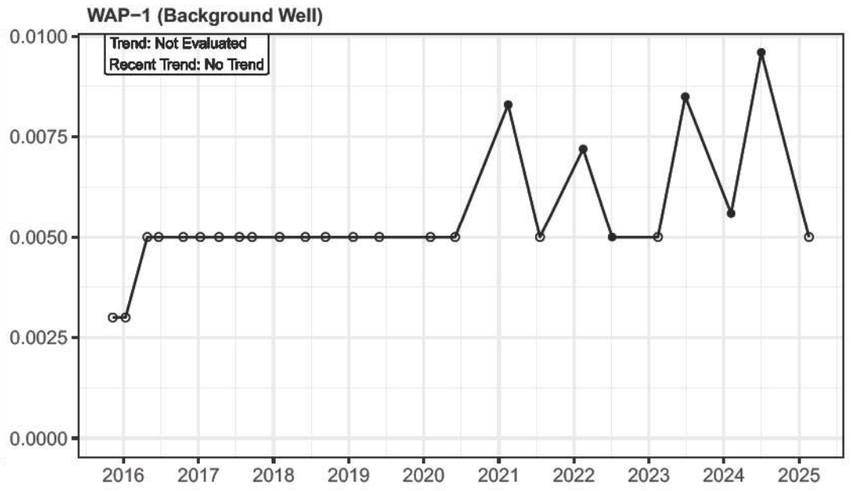
Sample Date (January 1st of the Indicated Year)

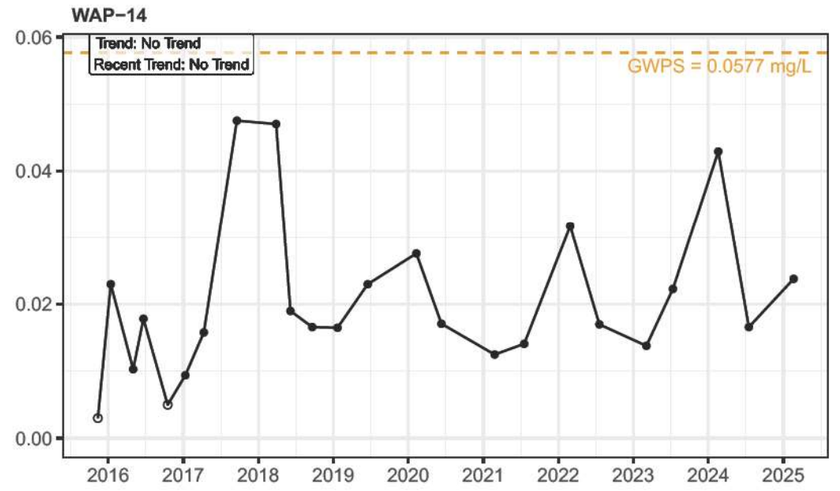
Detection Status: ● Detect ○ Non−Detect

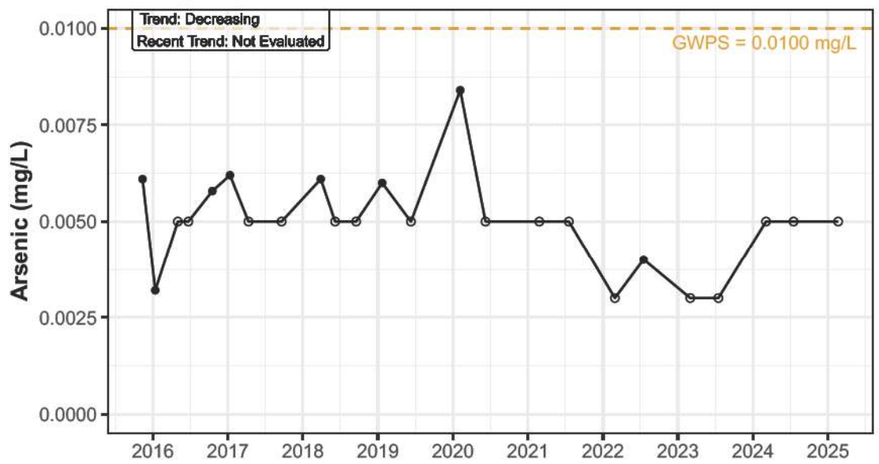
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

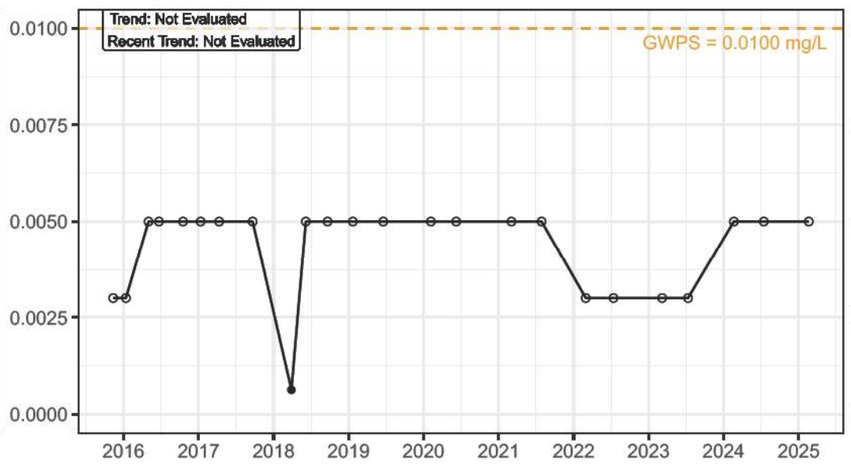
Trend Analysis for Arsenic

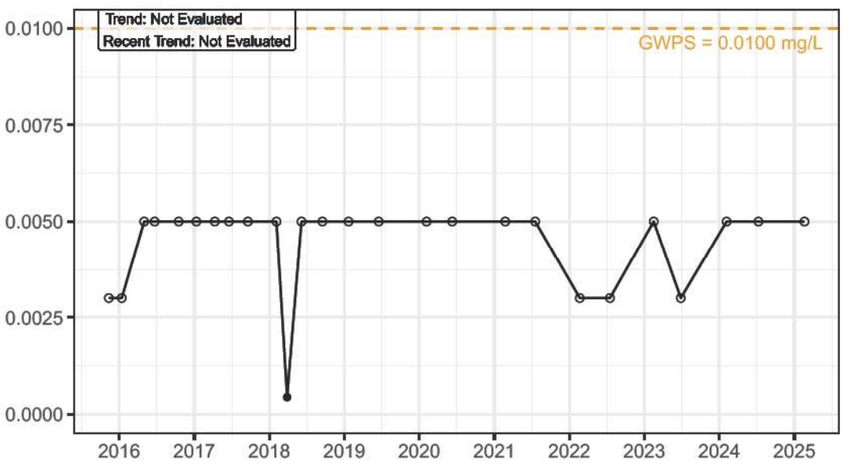


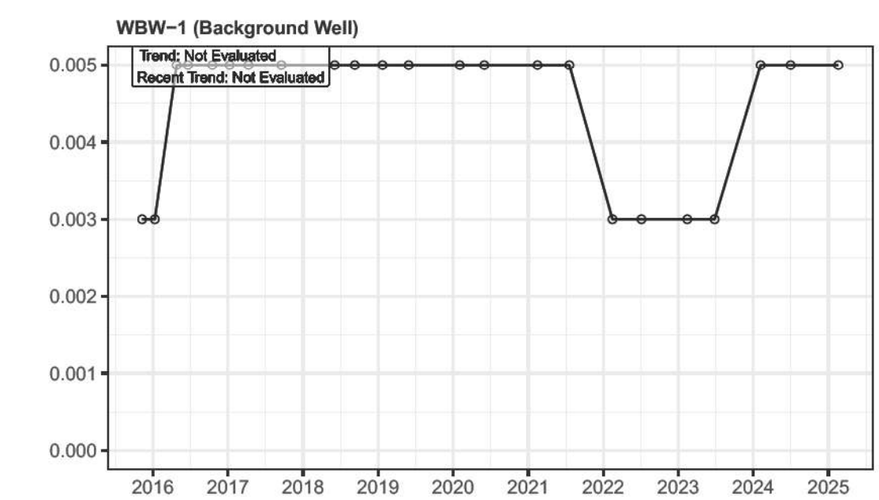










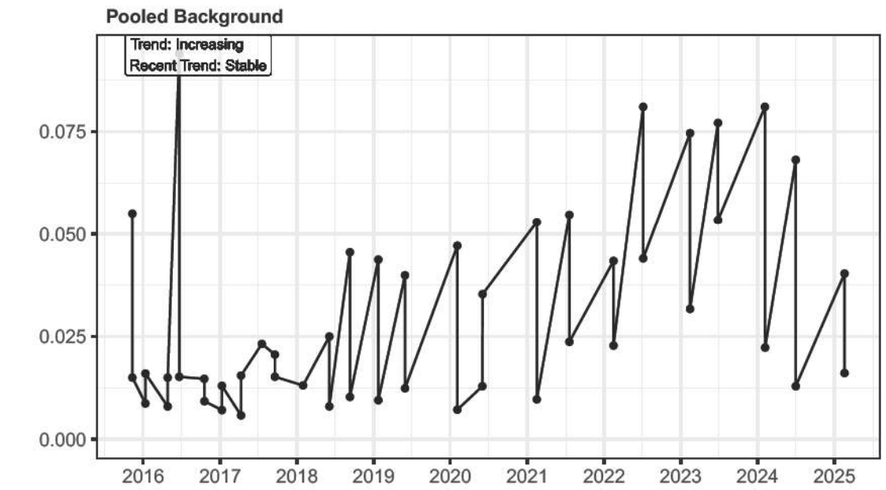


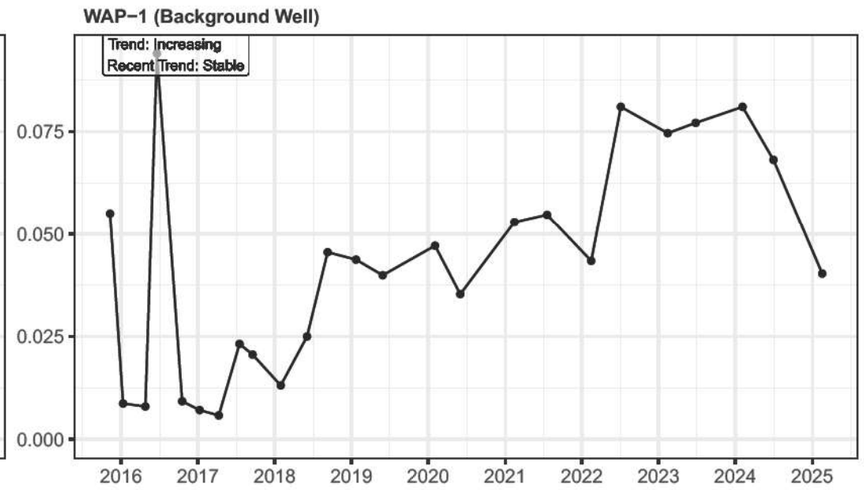
Sample Date (January 1st of the Indicated Year)

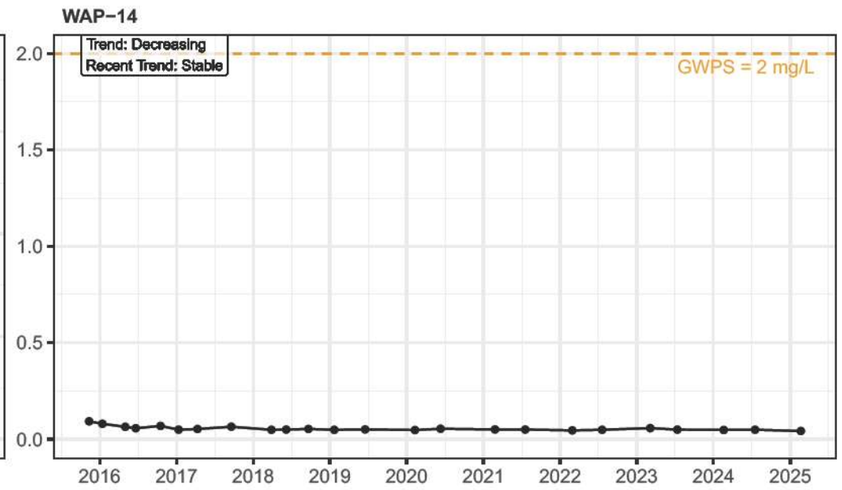
Detection Status: ● Detect ○ Non−Detect

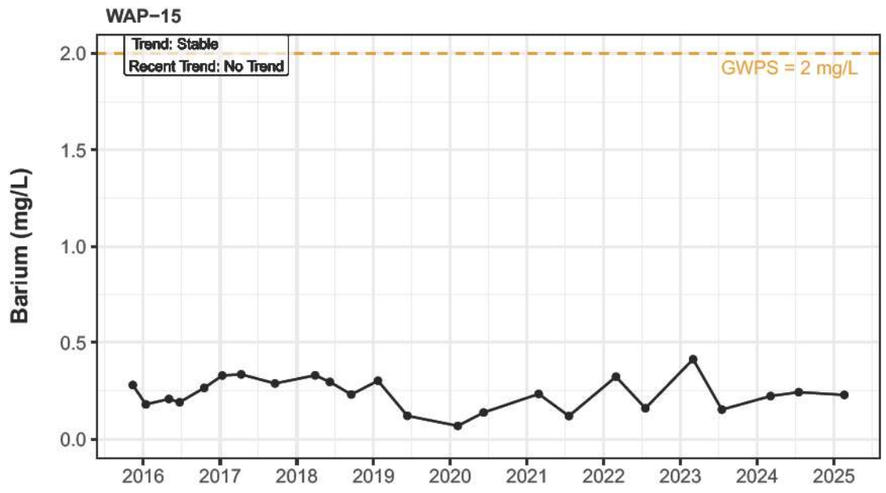
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

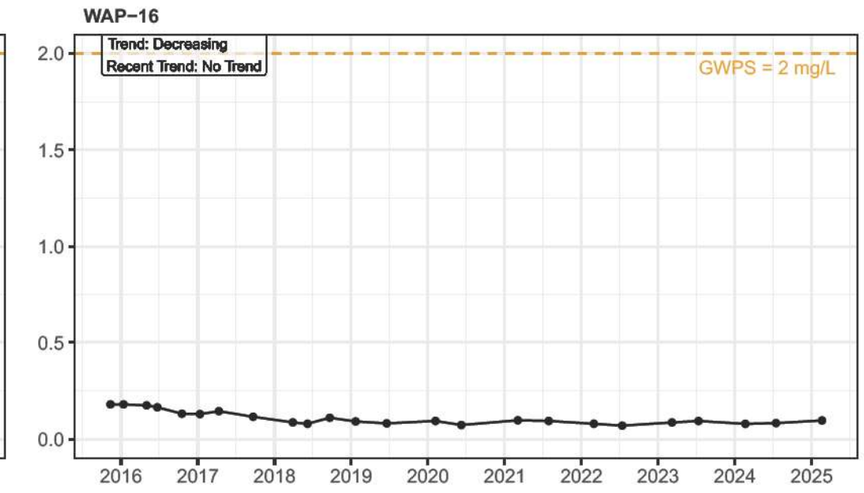
Trend Analysis for Barium

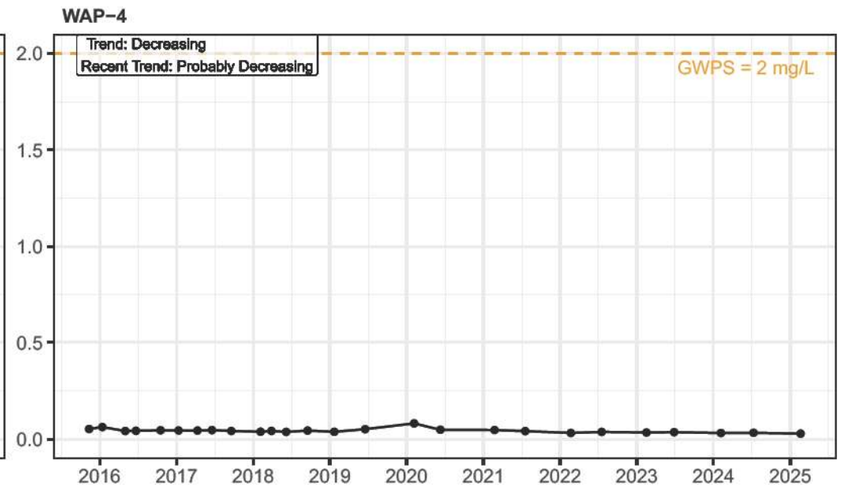


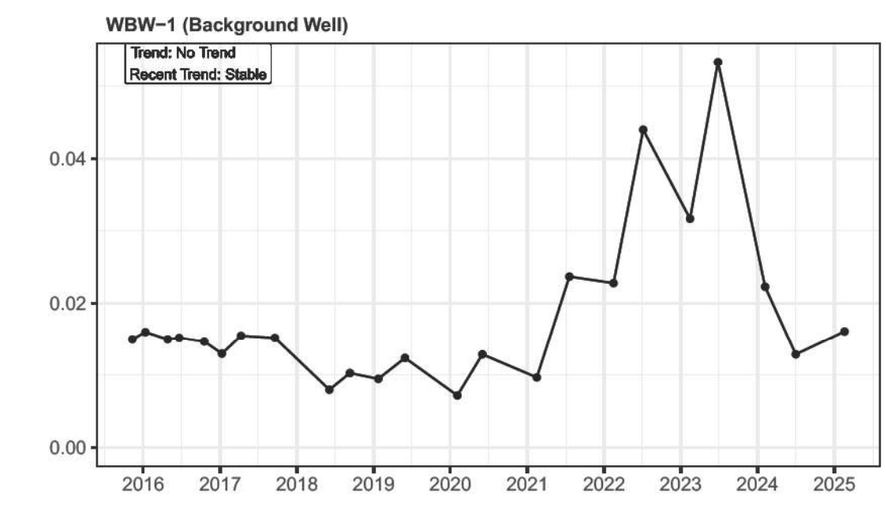










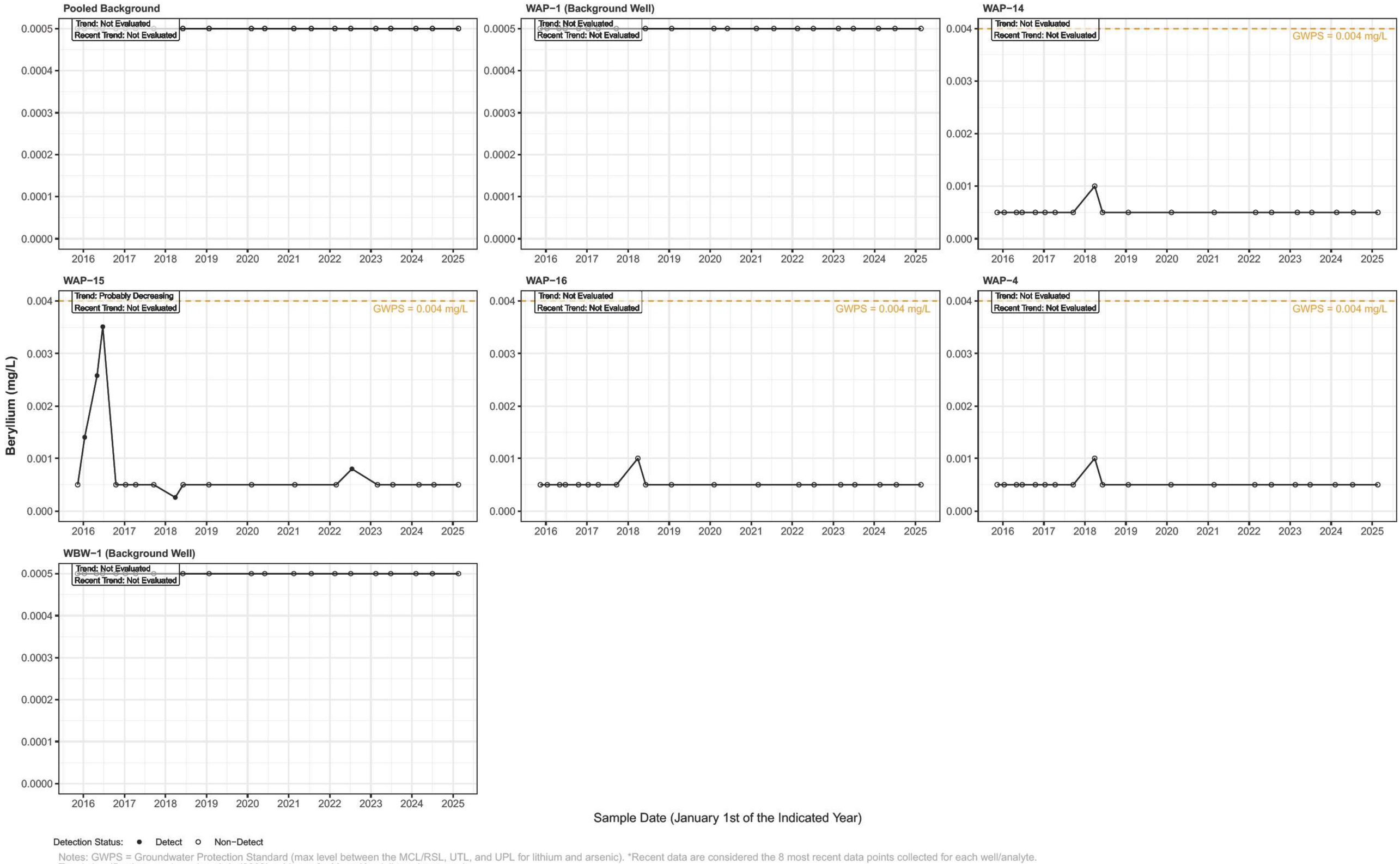


Sample Date (January 1st of the Indicated Year)

Detection Status: ● Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

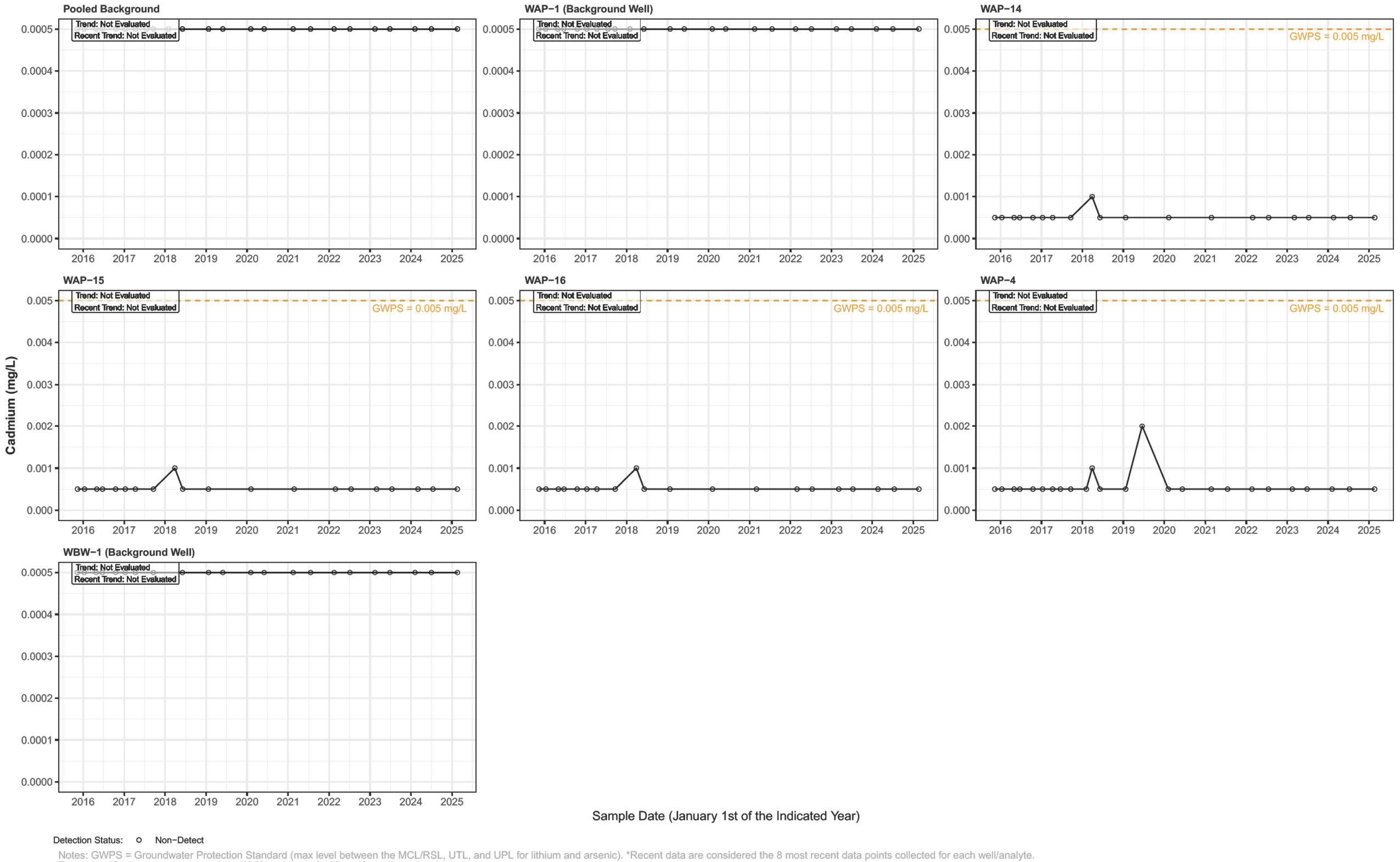
Trend Analysis for Beryllium



Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

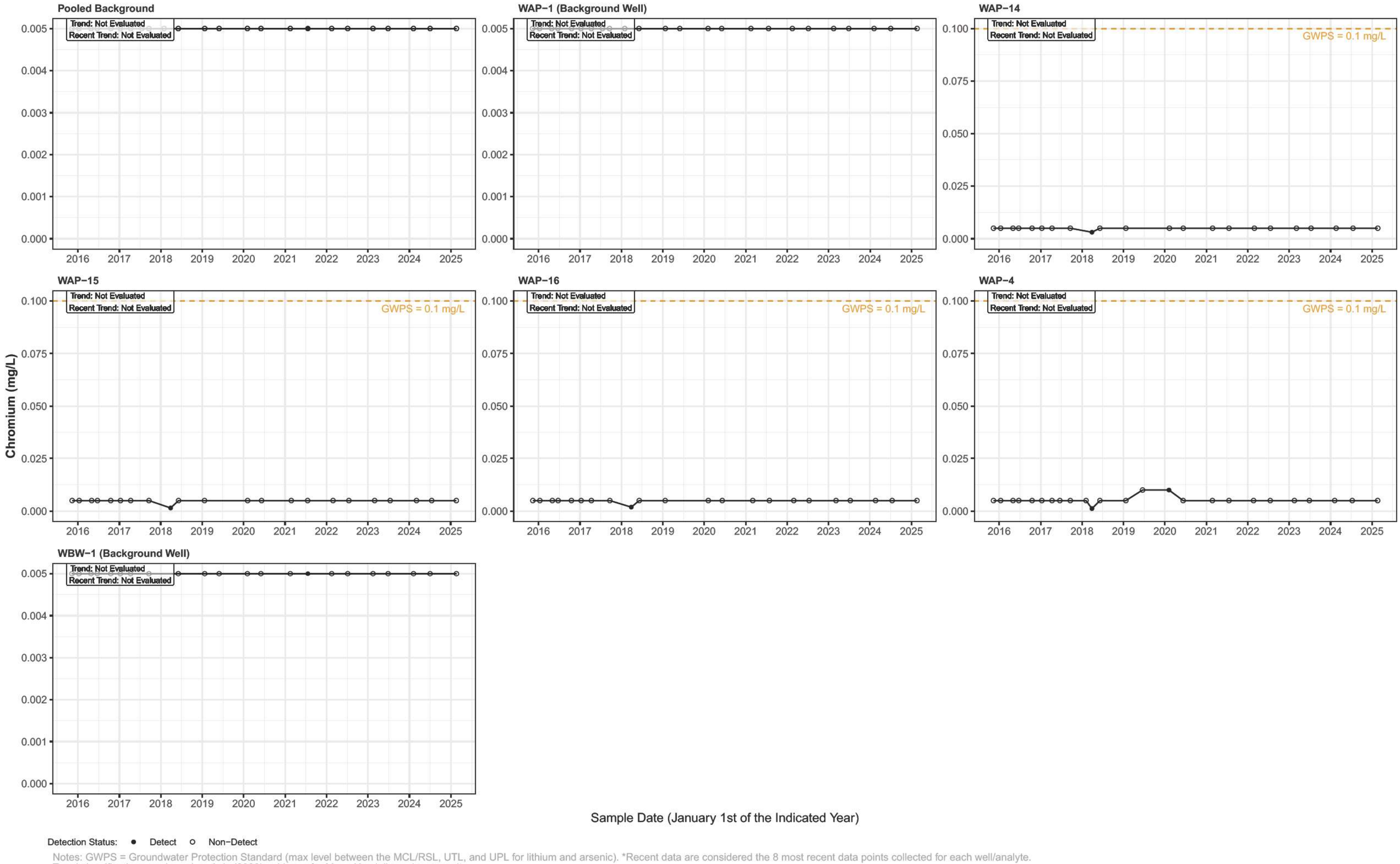
Trend Analysis for Cadmium



Detection Status: ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

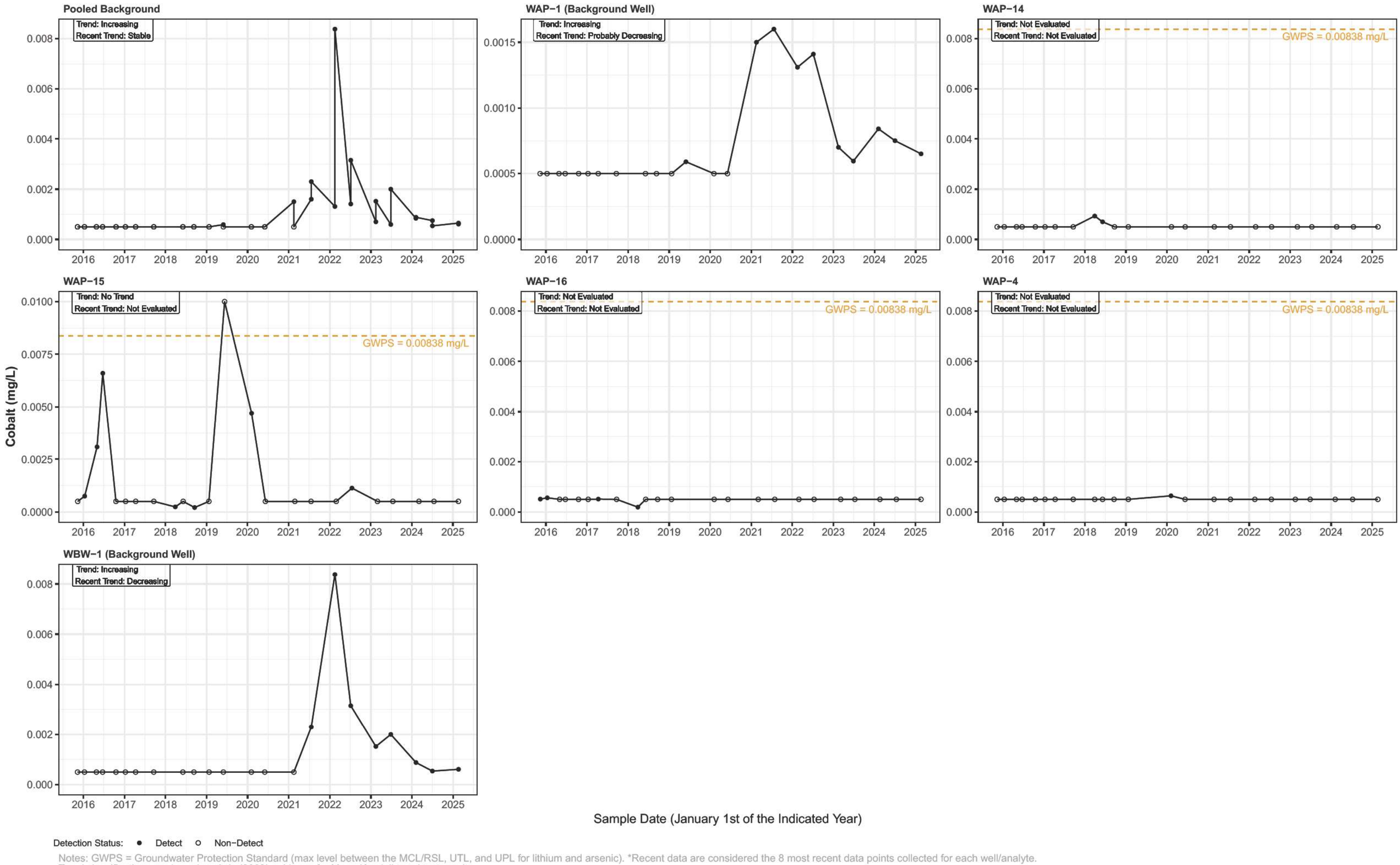
Trend Analysis for Chromium



Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

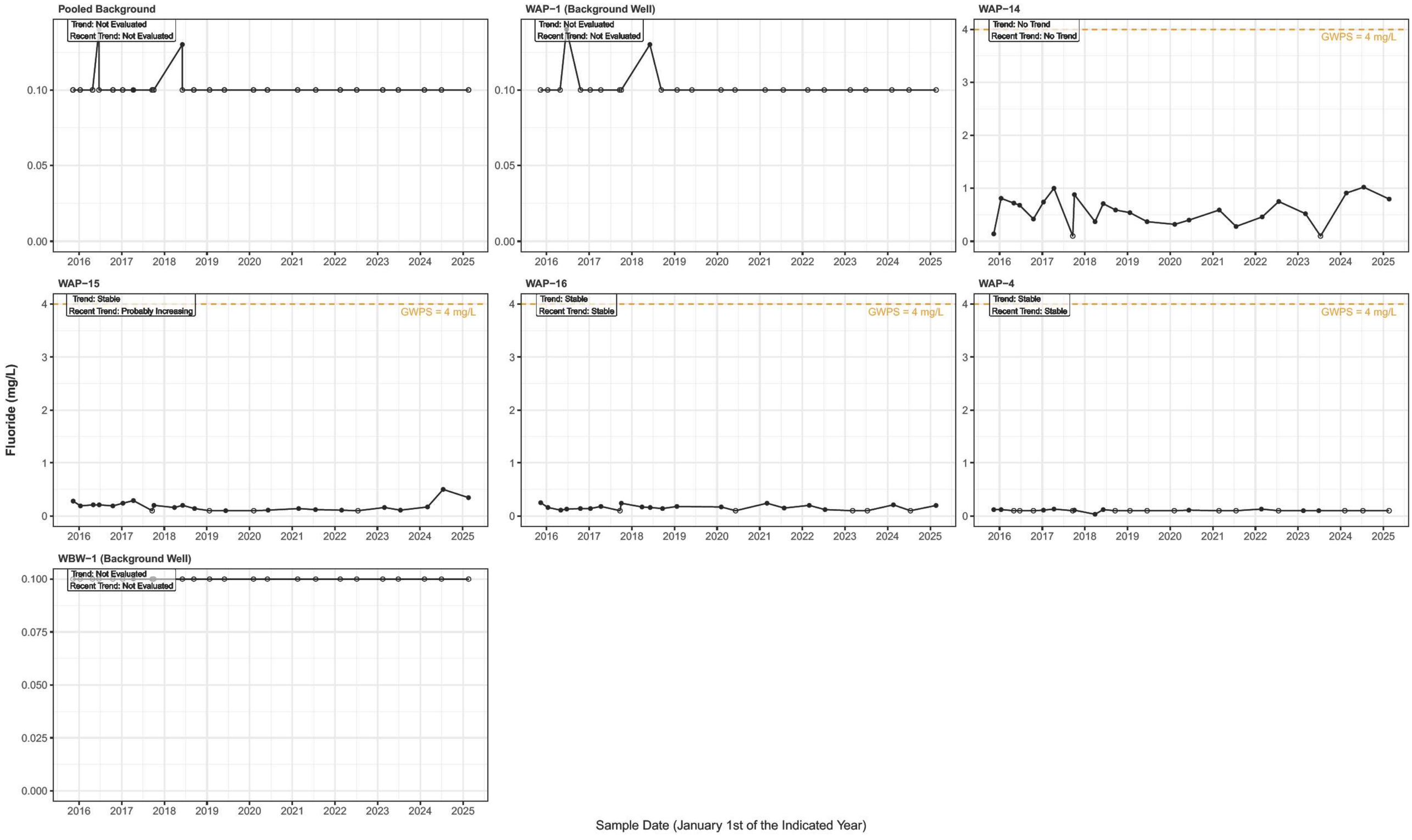
Trend Analysis for Cobalt



Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

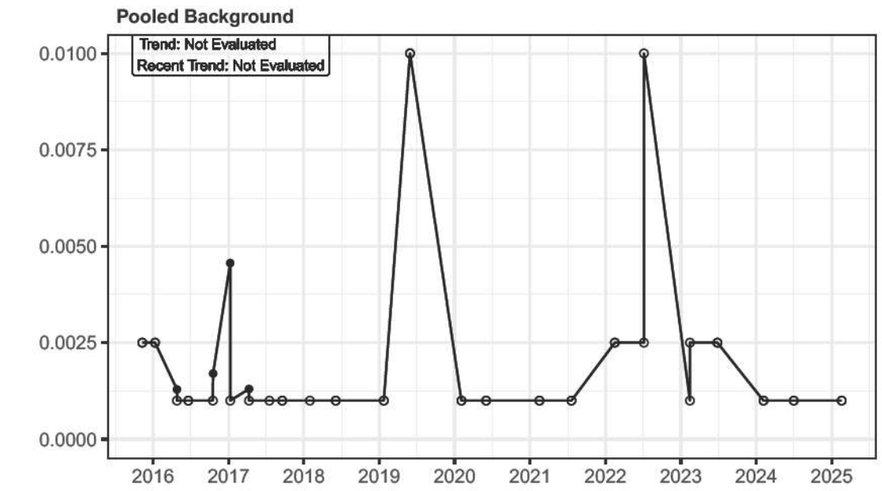
Trend Analysis for Fluoride

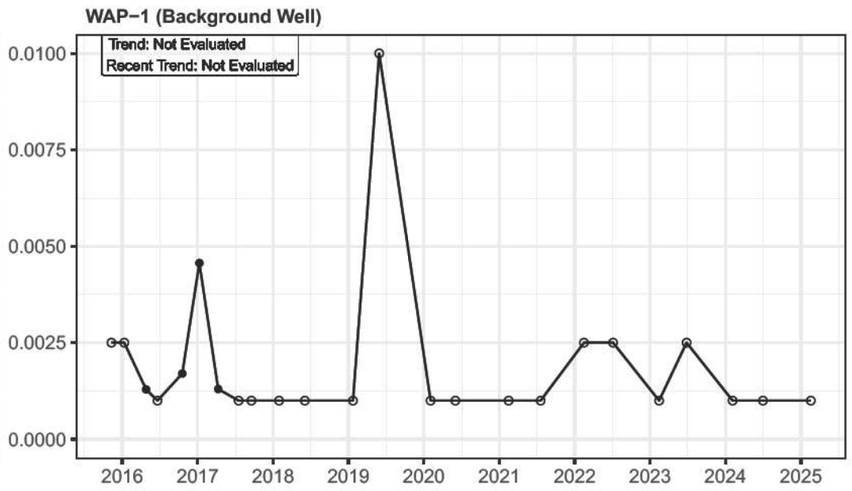


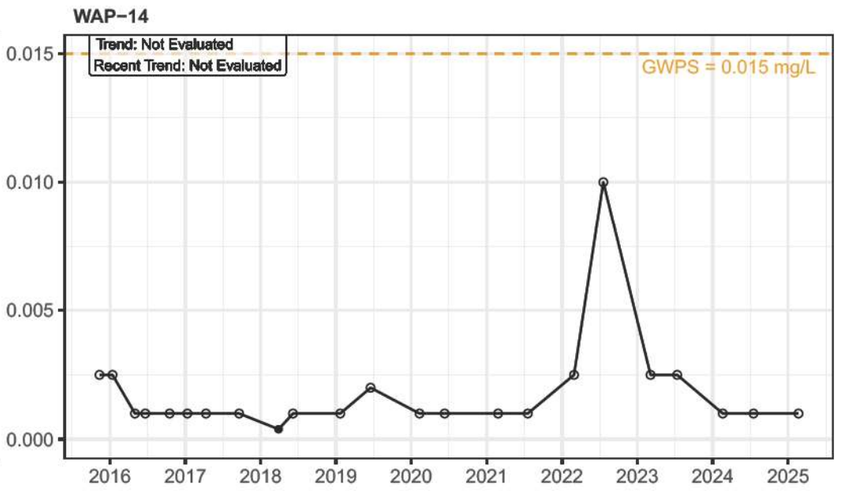
Detection Status: ● Detect ○ Non−Detect

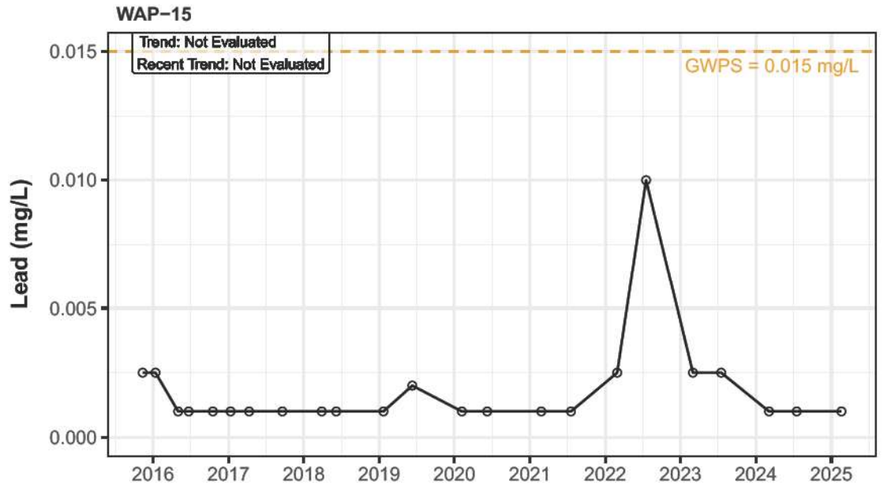
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

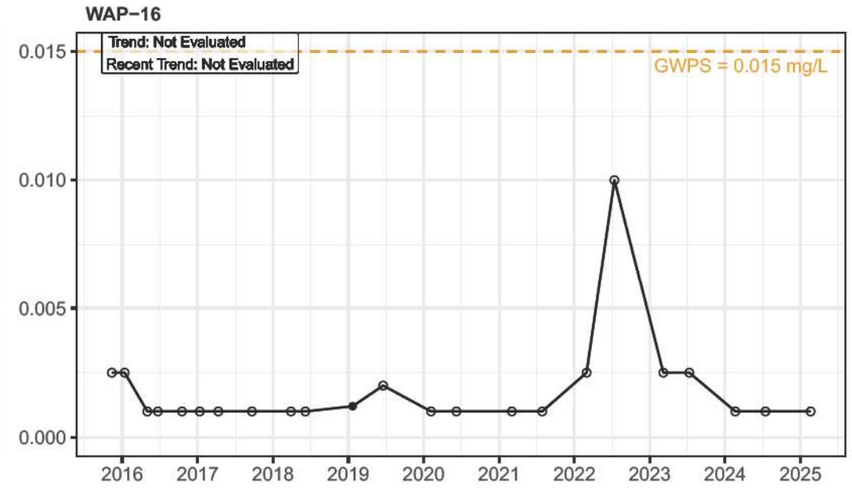
Trend Analysis for Lead

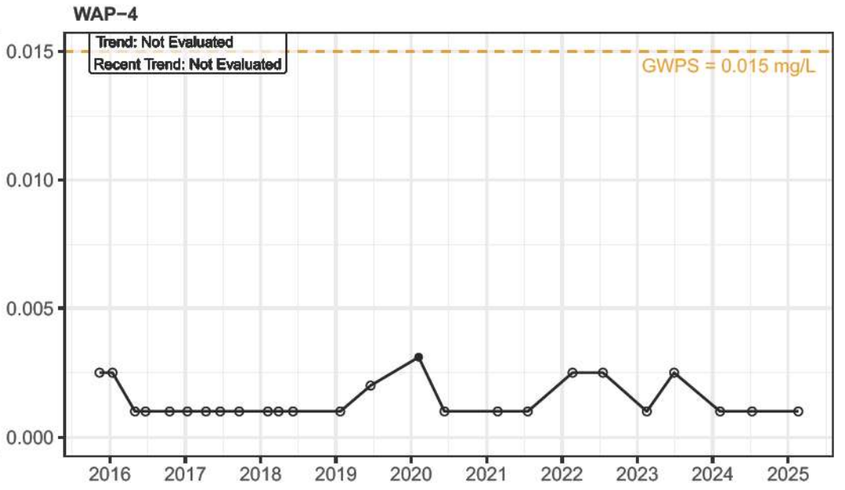


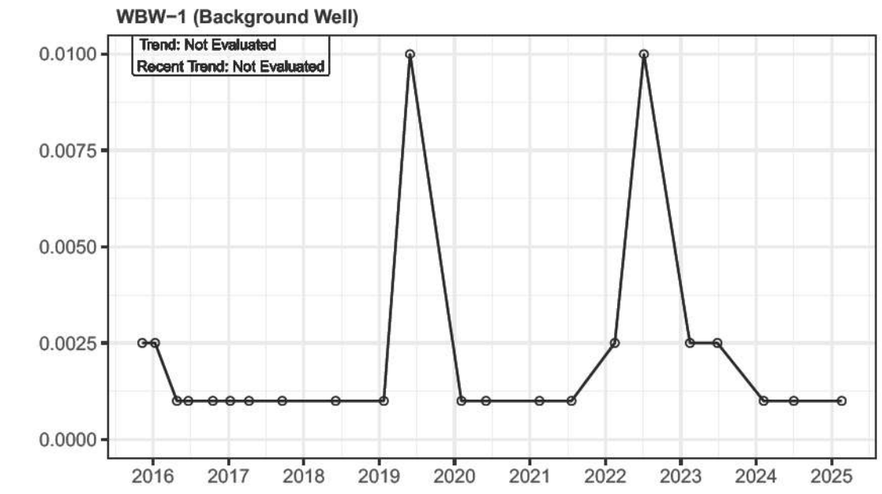










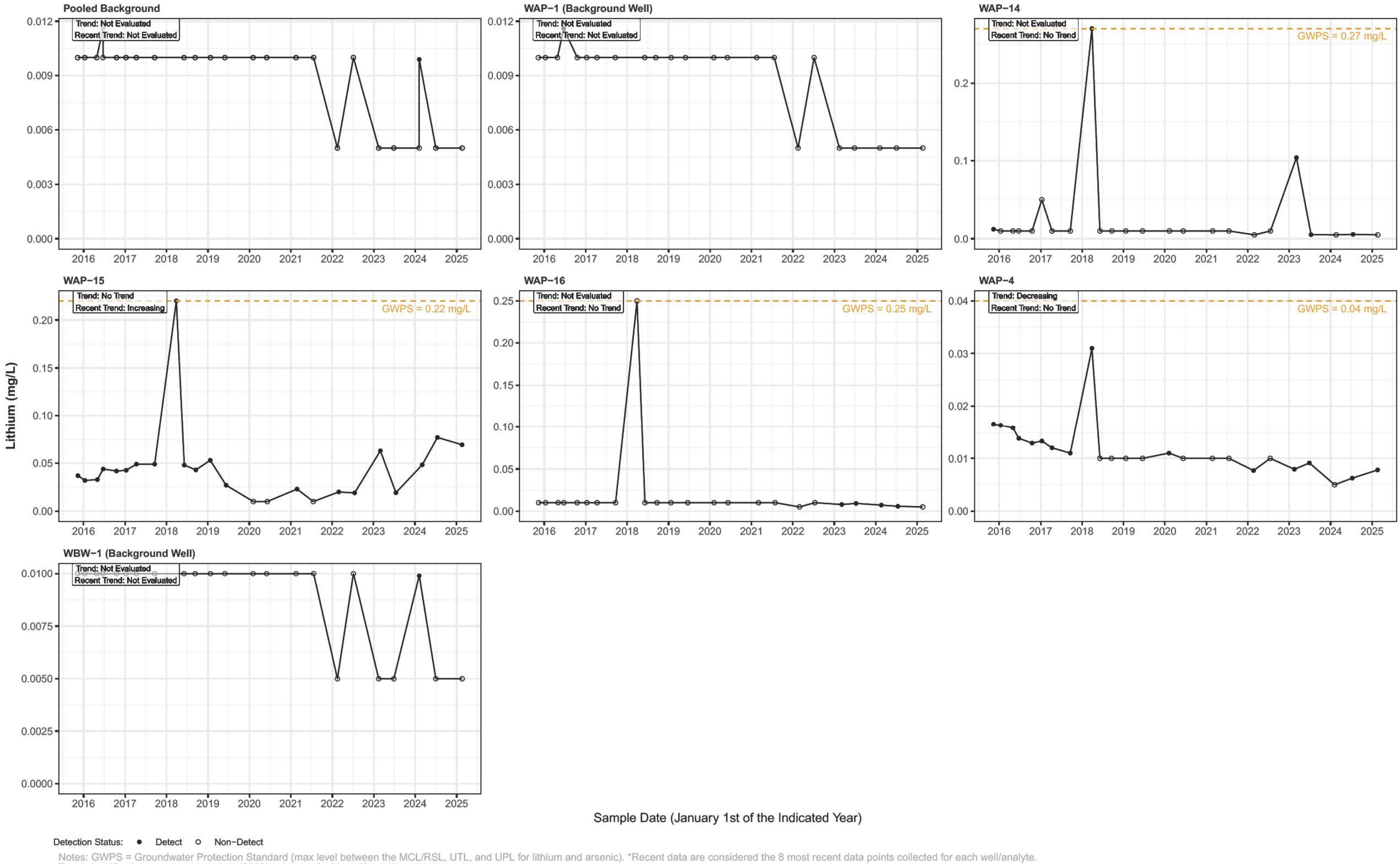


Sample Date (January 1st of the Indicated Year)

Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

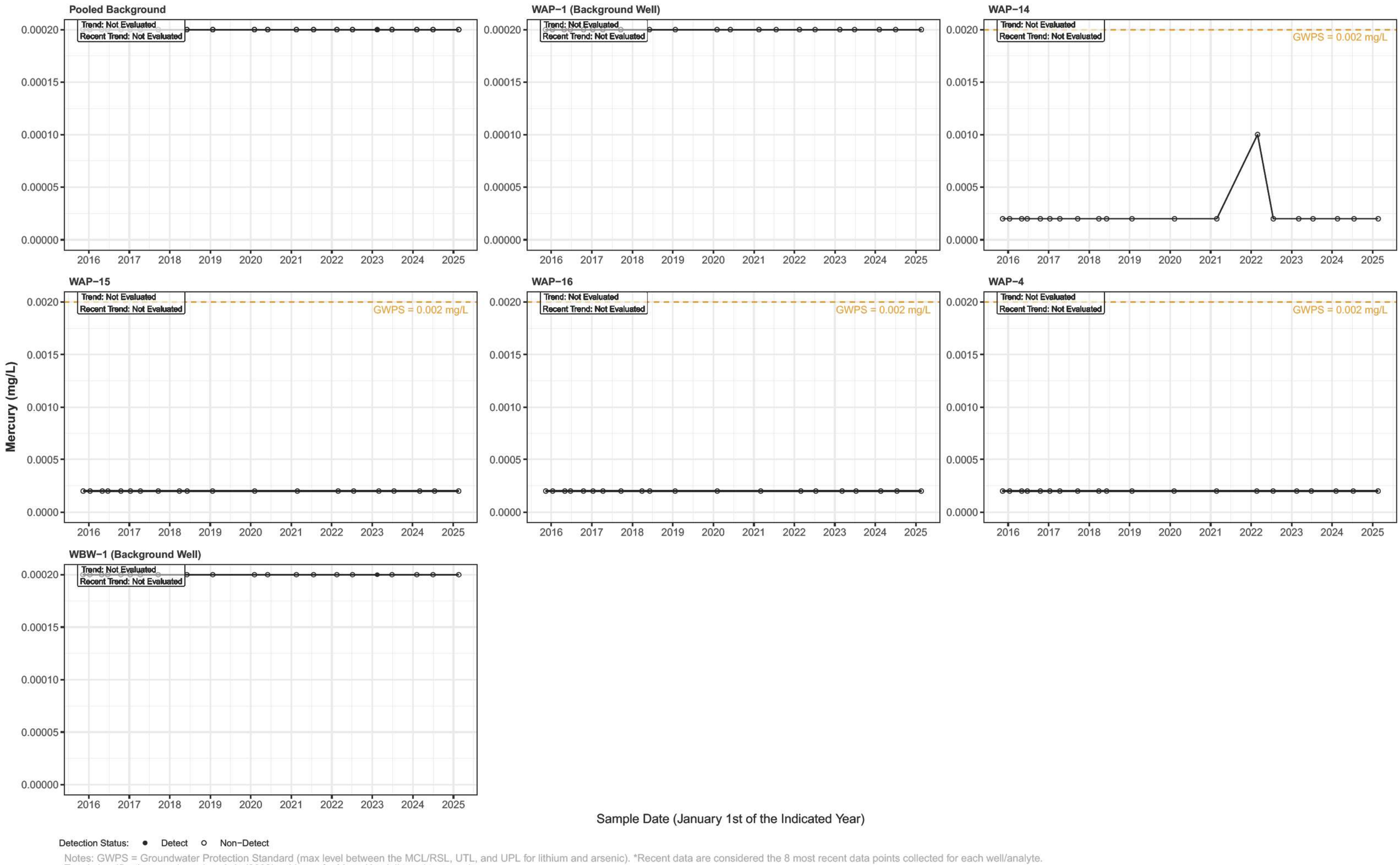
Trend Analysis for Lithium



Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

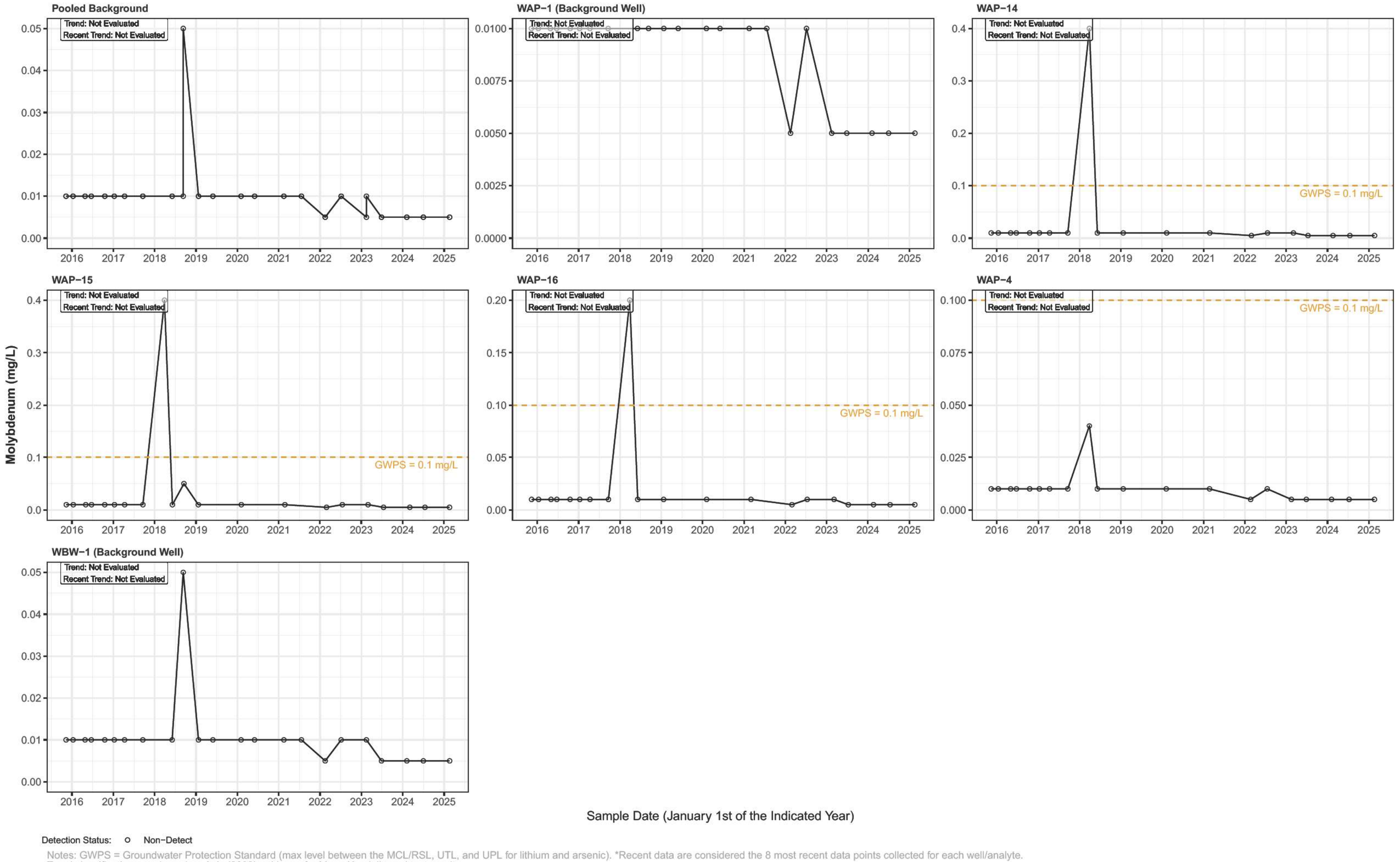
Trend Analysis for Mercury



Detection Status: ● Detect ○ Non−Detect

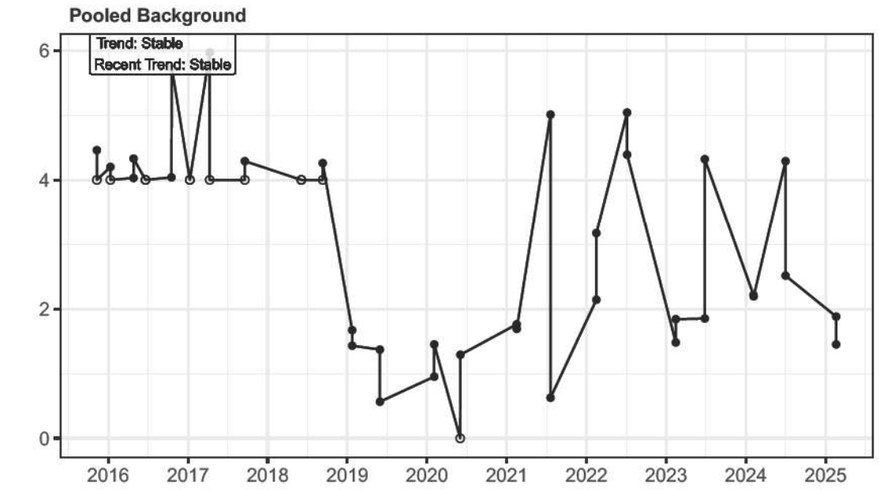
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

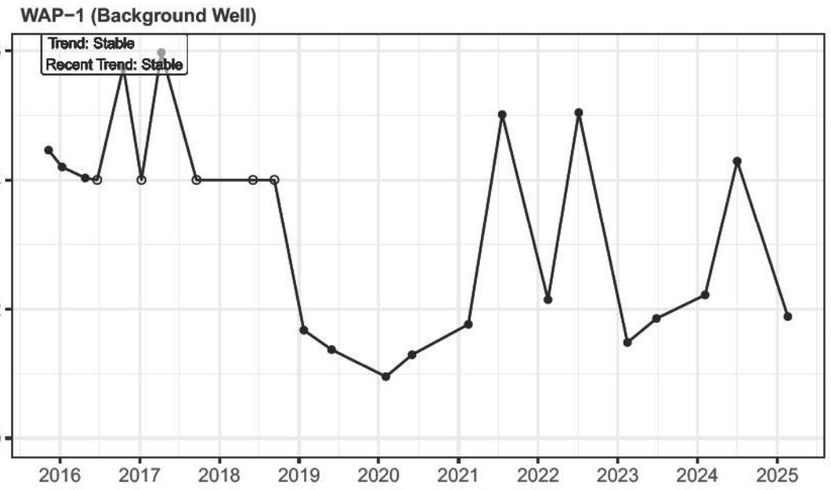
Trend Analysis for Molybdenum

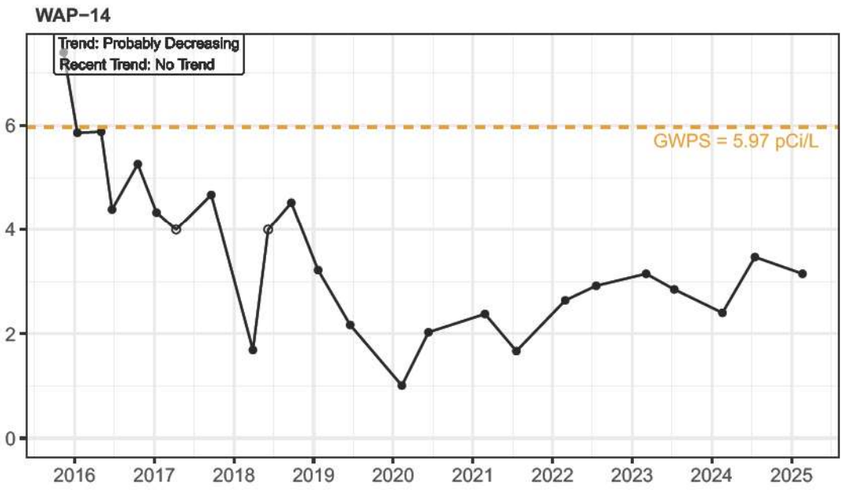


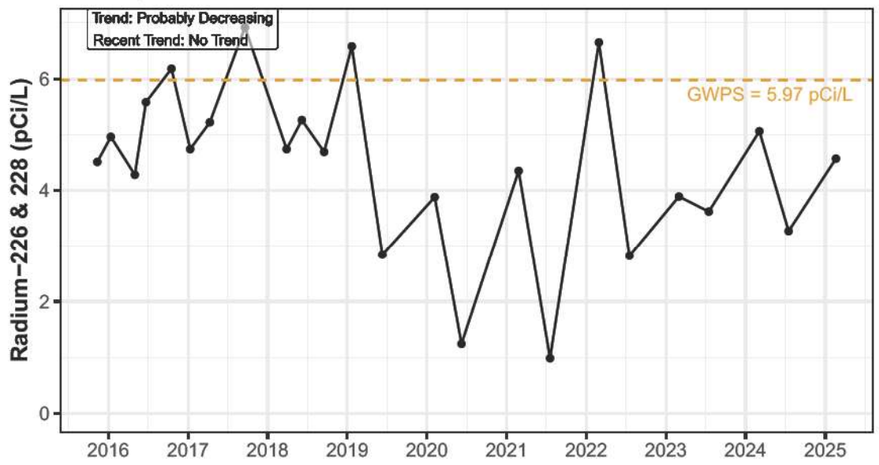
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

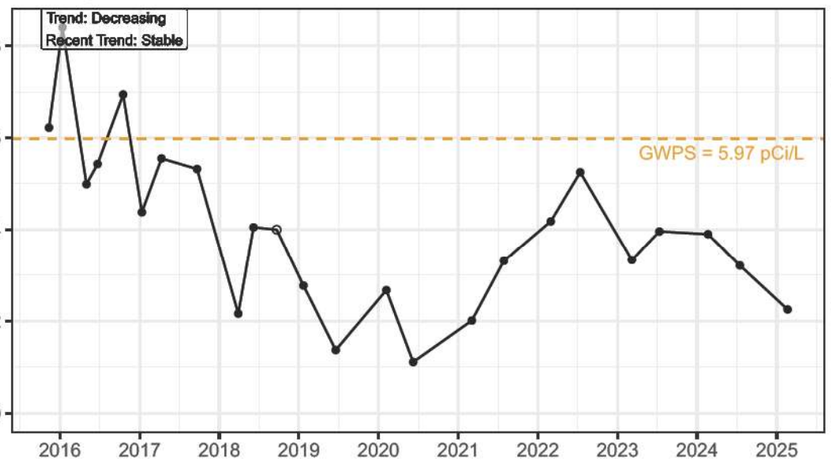
Trend Analysis for Radium−226 & 228

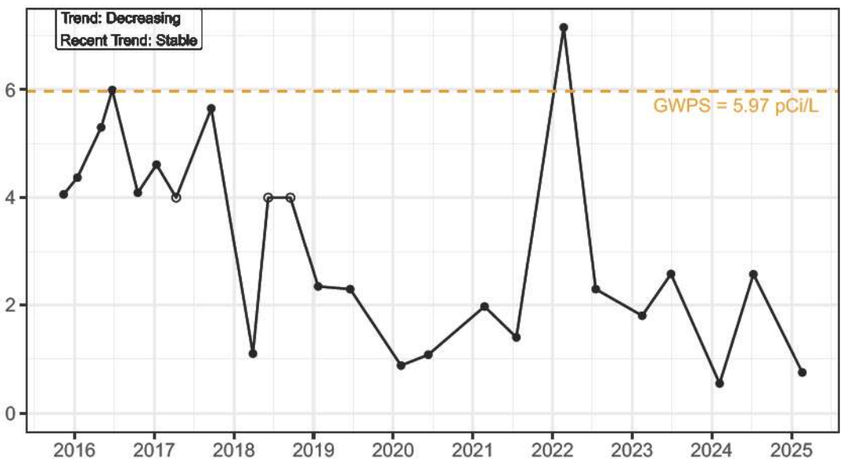


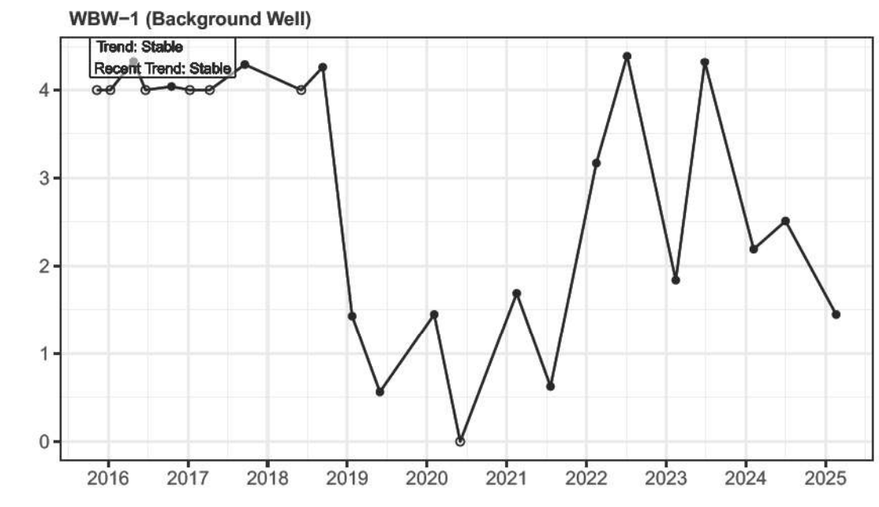












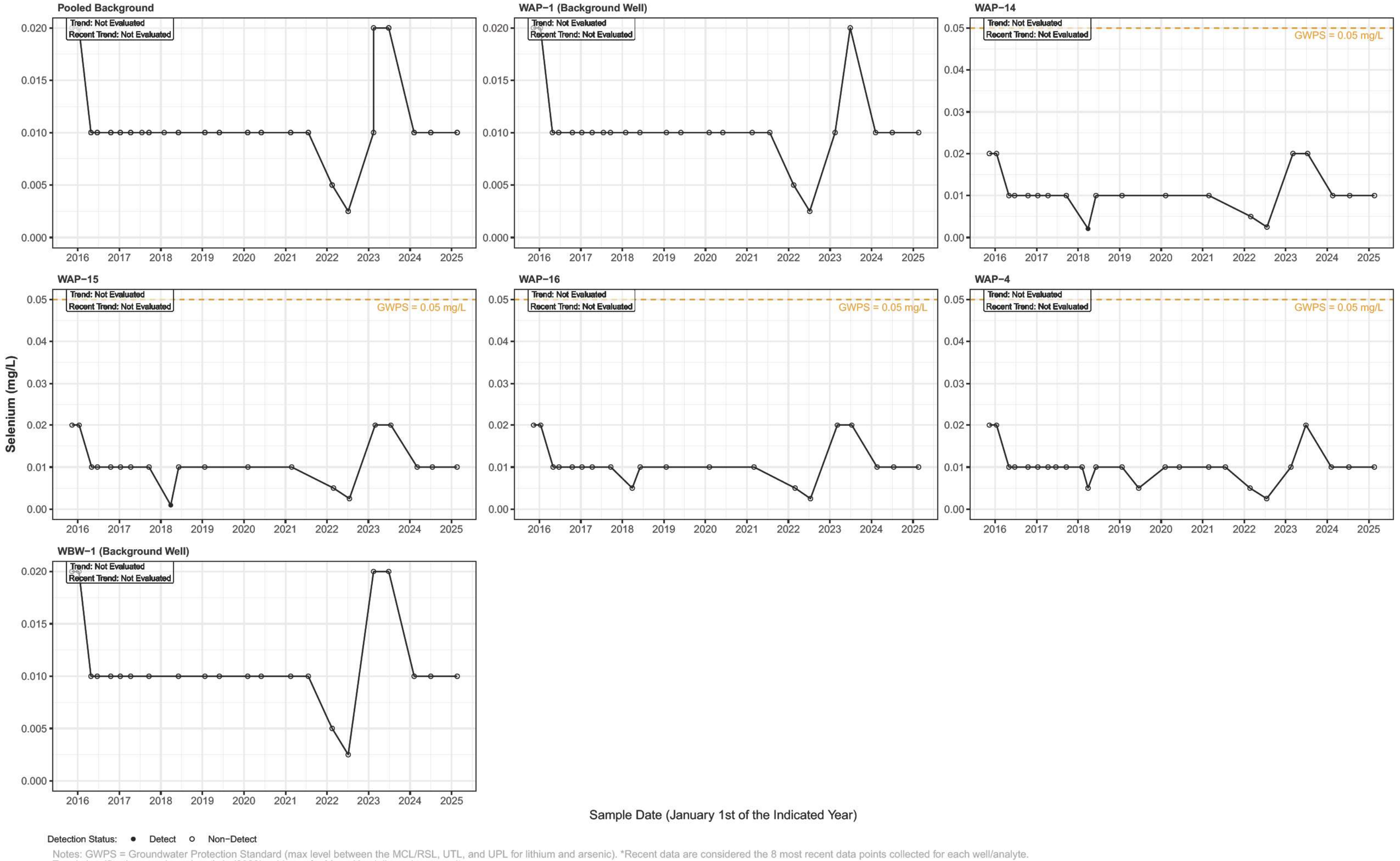
Radium−226 & 228 (pCi/L)

Sample Date (January 1st of the Indicated Year)

Detection Status: ● Detect ○ Non−Detect

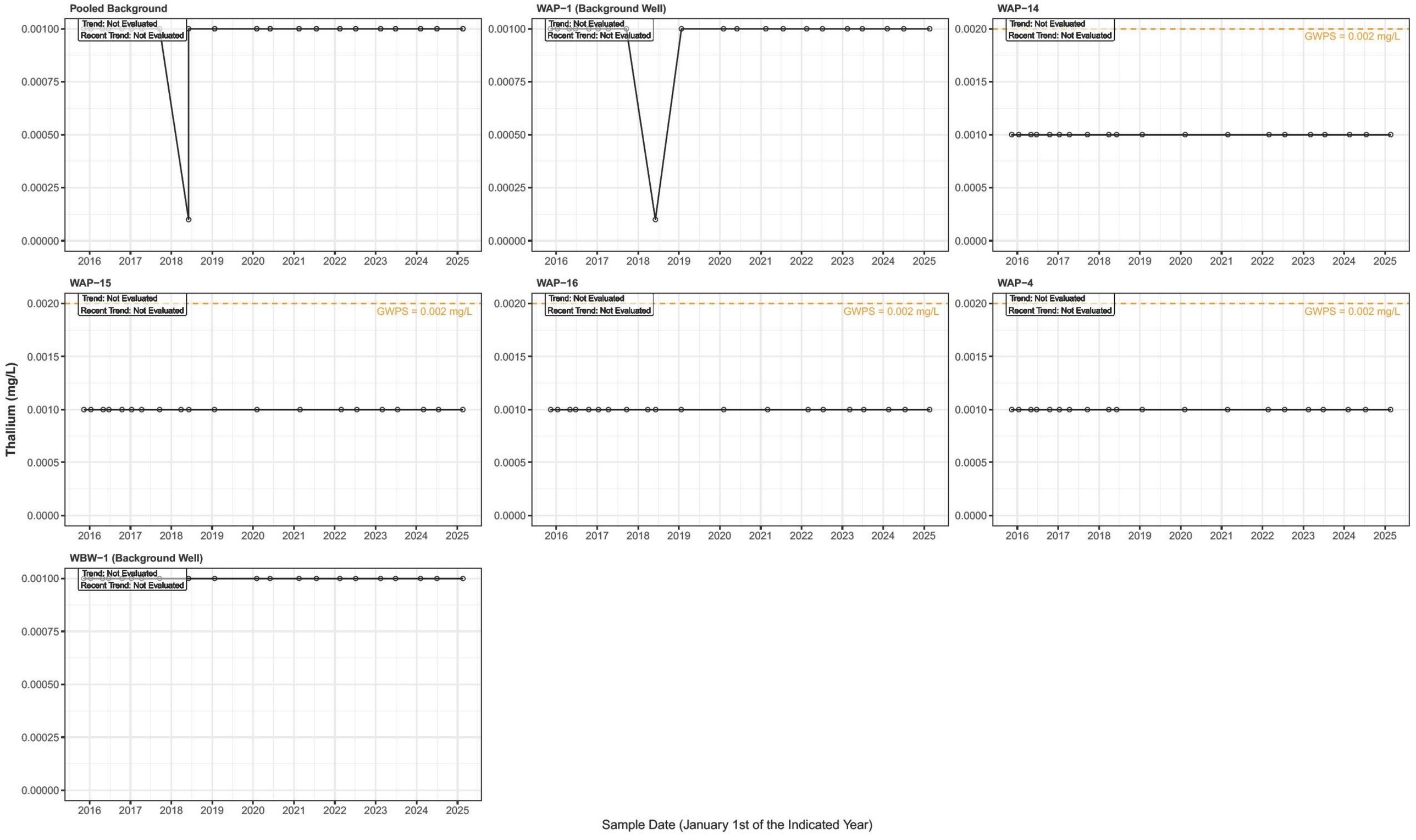
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for Selenium



Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

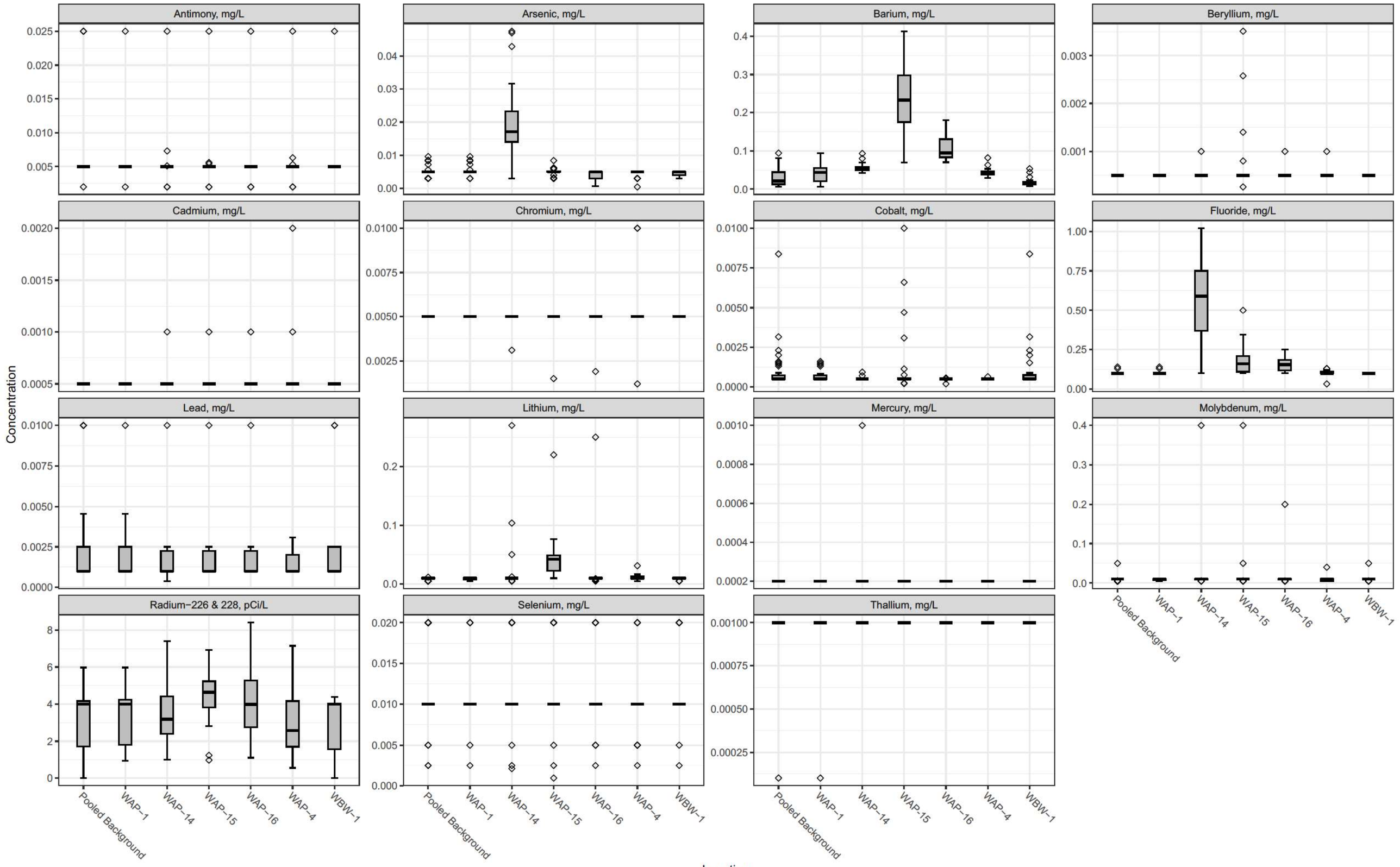
Trend Analysis for Thallium



Detection Status: ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

Box Plots


Antimony, mg/L
Arsenic, mg/L
Barium, mg/L
Beryllium, mg/L
Cadmium, mg/L
Chromium, mg/L
Cobalt, mg/L
Fluoride, mg/L
Lead, mg/L
Lithium, mg/L
Mercury, mg/L
Molybdenum, mg/L
Radium−226 & 228, pCi/L
Selenium, mg/L
Thallium, mg/L
Concentration
Location
Pooled Background
WAP−1
WAP−14
WAP−15
WAP−16
WAP−4
WBW−1

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TECHNICAL MEMORANDUM

December 23, 2025
File No. 0132892-102

SUBJECT: Statistical Evaluation of the June and July 2025 Semiannual Groundwater Assessment Monitoring Data, Winyah Generating Station, Slurry Pond 3 & 4

Pursuant to Title 40 Code of Federal Regulations (40 CFR) § 257.93 and § 257.95 (Rule), this memorandum summarizes the statistical evaluation of the groundwater analytical results obtained from the June and July 2025 semiannual assessment monitoring event for Winyah Generating Station (WGS) Slurry Pond 3 & 4. 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 WGS Slurry Pond 3 & 4 ceased receipt of coal combustion residual (CCR) material and non-CCR wastewater inflows prior to April 11, 2021. Closure-by-excavation and removal of CCR material is currently underway.

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

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

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 SSL of Appendix IV parameters above the GWPS. The selected statistical method used for these evaluations is the tolerance limit (TL) for all Appendix IV constituents. This statistical method was certified by Haley & Aldrich on October 12, 2017. The prediction limit (PL) method was also selected for analysis of arsenic and lithium based on findings reported in the ASD completed on September 12, 2019.

A combination of interwell evaluations for all Appendix IV constituents and intrawell evaluations for arsenic and lithium were used for the statistical analysis. Interwell evaluations were performed for

Appendix IV constituents detected downgradient of Slurry Pond 3 & 4 and compared to the most recent values from downgradient compliance wells against a background dataset. Intrawell evaluations were also performed for arsenic and lithium, which compared downgradient well concentrations to baseline datasets composed of data from the same downgradient wells that are unimpacted the Slurry Pond 3 & 4. The GWPS for each of the Appendix IV constituents has been set equal to the highest value between the Maximum Contaminant Level, Regional Screening Level (RSL), and site background concentration(s). Data from the most recent groundwater sampling event from each compliance well were compared to the corresponding GWPS to determine if an SSL existed. The results of the statistical analysis are presented in Table 1.

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

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

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

The background wells (WAP-1 and WBW-1) analytical results from previous events were combined to calculate the UTL for each detected Appendix IV constituent. Variability and distribution of the pooled dataset were reviewed to establish the method for UTL calculation. Variability and distribution of individual downgradient well datasets for arsenic and lithium were also reviewed to establish appropriate UPL calculation methods.

UTL background datasets were based on statistical evaluation of analytical results collected through July 2025, and UPL baseline datasets were based on statistical evaluation of analytical results collected through February 2025. These statistical evaluations follow procedures documented in *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009* (the Unified Guidance), and associated statistical test results are presented in the Statistical Output produced using R

programming software (Attachment A). The UTL background dataset will next be updated after four additional data points are collected (second semiannual event of 2026), and the UPL baseline dataset will be updated after four additional data points (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 20 downgradient well/constituent datasets that were evaluated for recent trends, 30 percent were stable, 5 percent were increasing, and 65 percent were variable with no statistically significant trend. An increasing trend was identified for fluoride at WAP-15, but the sampling event concentration (0.34 milligrams per liter [mg/L] was well below the GWPS (4 mg/L). It is important to note that increasing trends are not a part of the SSL identification process. Trend analysis will continue to be used to monitor and evaluate concentrations in the context of overall site conditions.

RESULTS OF APPENDIX IV DOWNGRADIENT STATISTICAL COMPARISONS

The sample concentrations from the downgradient wells for each of the detected Appendix IV constituents from the June and July 2025 semiannual assessment monitoring event were compared to their respective GWPS (Table 1). A sample concentration greater than the GWPS is considered to represent an SSL. Interwell comparisons were used for most constituents in downgradient wells. An intrawell comparison was used for arsenic and lithium as supported by the successful 2019 ASD. SSLs were not identified for the June and July 2025 monitoring event.

Barium and fluoride were detected as SSIs during this sampling event with concentrations above the UTL; however, none exceeded the GWPS and; therefore, no SSLs have occurred. Short-term increases in the concentrations of Appendix IV constituents are not unexpected during dewatering and excavation closure activities. Concentrations are expected to decrease once the closure is complete and groundwater equilibrium is restored. Groundwater trends will continue to be monitored during future sampling events.

Enclosures:

Table 1 – June and July 2025 Semiannual Assessment Monitoring Data (Slurry Pond 3 & 4)
Attachment A – Statistical Output, June and July 2025

TABLE

TABLE 1
JUNE AND JULY 2025 SEMIANNUAL ASSESSMENT MONITORING DATA (SLURRY POND 3 & 4)
WINYAH GENERATING STATION
SLURRY POND 3 & 4

Overall Data Summary												Assessment Monitoring Analysis										
Location	Frequency of Detection	Percent of Non-Detect Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	Number of Detected Results MCL/RSL Exceedances	Number of Non-Detect Results MCL/RSL Exceedances	Mann-Kendall Trend [a]	Assumed Data Distribution	Sample Date	June/July 2025 Concentration	Detect (Y/N)	Inter-well Upper Tolerance Limit (UTL) [b]	Intra-well Upper Prediction Limit (UPL) [c]	Statistically Significant Increase (SSI) *Sample results that exceed the max Upper Limit [d]*	CCR MCL/RSL	Groundwater Protection Standard (GWPS) *Max level between the Max Upper Limit and MCL/RSL*	Lower Confidence Limit (LCL) *Only calculated for GWPS Exceedances*	Statistically Significant Level (SSL) *Result > GWPS and LCL > GWPS*
CCR Appendix IV: Antimony, Total (mg/L)																						
WBW-1	0/22	100%	0.005 - 0.025	0.0059	0.005	0.005	NA	72%	0	1	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.005	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	1/22	96%	0.002 - 0.025	0.0058	0.005	0.0053	0.0053	75%	0	1	Not Evaluated		6/25/2025	0.0053	Yes	NA	NA	NA	NA	NA	NA	NA
WAP-4	2/21	91%	0.002 - 0.025	0.0057	0.005	0.0063	0.0063	79%	1	1	Probably Increasing	NA	6/26/2025	0.005	No	0.025	NA	No	0.006	0.025	NA	No
WAP-14	3/21	86%	0.002 - 0.025	0.0058	0.005	0.0073	0.0073	78%	1	1	Probably Increasing	NA	7/9/2025	0.005	No		NA	No			NA	No
WAP-15	2/21	91%	0.002 - 0.025	0.0057	0.005	0.006	0.0056	79%	0	1	Probably Increasing	NA	7/8/2025	0.005	No		NA	No			NA	No
WAP-16	0/21	100%	0.002 - 0.025	0.0057	0.005	0.005	NA	80%	0	1	Not Evaluated	NA	7/9/2025	0.005	No		NA	No			NA	No
CCR Appendix IV: Arsenic, Total (mg/L)																						
WBW-1	0/24	100%	0.003 - 0.005	0.0045	0.005	0.005	NA	20%	0	0	Not Evaluated	NA	6/25/2025	0.005	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	7/26	73%	0.003 - 0.005	0.00542	0.005	0.00845	0.0096	27%	0	0	No Trend	NA	6/25/2025	0.0057	Yes	NA	NA	NA	NA	NA	NA	NA
WAP-4	1/27	96%	0.003 - 0.005	0.00446	0.005	0.00500	0.00044	25%	0	0	Not Evaluated	Not normal (Baseline, 99%)	6/26/2025	0.005	No	0.0096	0.005	No	0.01	0.01	NA	No
WAP-14	23/25	8%	0.003 - 0.005	0.0205	0.017	0.046	0.0475	56%	22	0	Stable	ormal (Baseline, 99% Confiden	7/9/2025	0.0187	Yes		0.058	No		0.058	NA	No
WAP-15	8/25	68%	0.003 - 0.005	0.00499	0.005	0.006	0.0084	24%	0	0	Not Evaluated	Not normal (Baseline, 99%)	7/8/2025	0.005	No		0.0084	No		0.01	NA	No
WAP-16	1/25	96%	0.003 - 0.005	0.00435	0.005	0.00500	0.00063	27%	0	0	Not Evaluated		7/9/2025	0.005	No		0.005	No		0.01	NA	No
CCR Appendix IV: Barium, Total (mg/L)																						
WBW-1	24/24	0%	NA	0.018	0.015	0.042	0.0534	60%	0	0	Stable	Non-Parametric (Pooled Background Data)	6/25/2025	0.0222	Yes	NA	NA	NA	NA	NA	NA	NA
WAP-1	26/26	0%	NA	0.042	0.0418	0.081	0.094	62%	0	0	Stable		6/25/2025	0.0365	Yes	NA	NA	NA	NA	NA	NA	NA
WAP-4	27/27	0%	NA	0.043	0.043	0.060	0.0818	25%	0	0	Stable	NA	6/26/2025	0.0292	Yes	0.094	NA	No	2	2	NA	No
WAP-14	25/25	0%	NA	0.055	0.050	0.078	0.093	21%	0	0	Stable	NA	7/9/2025	0.0411	Yes		NA	No			NA	No
WAP-15	25/25	0%	NA	0.237	0.234	0.334	0.413	35%	0	0	No Trend	NA	7/8/2025	0.259	Yes		NA	Yes			NA	No
WAP-16	25/25	0%	NA	0.11	0.09	0.18	0.18	32%	0	0	No Trend	NA	7/9/2025	0.0927	Yes		NA	No			NA	No
CCR Appendix IV: Beryllium, Total (mg/L)																						
WBW-1	0/22	100%	0.0005 - 0.0005	0.0005	0.0005	0.0005	NA	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.0005	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	0/22	100%	0.0005 - 0.0005	0.0005	0.0005	0.0005	NA	0%	0	0	Not Evaluated		6/25/2025	0.0005	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	0/21	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	6/26/2025	0.0005	No	0.0005	NA	No	0.005	0.005	NA	No
WAP-14	0/21	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	7/9/2025	0.0005	No		NA	No			NA	No
WAP-15	5/21	76%	0.0005 - 0.0005	0.0008	0.0005	0.0026	0.00351	101%	0	0	Not Evaluated	NA	7/8/2025	0.0005	No		NA	No			NA	No
WAP-16	0/21	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	7/9/2025	0.0005	No		NA	No			NA	No
CCR Appendix IV: Cadmium, Total (mg/L)																						
WBW-1	0/23	100%	0.0005 - 0.0005	0.0005	0.0005	0.0005	NA	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.0005	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	0/25	100%	0.0005 - 0.0005	0.0005	0.0005	0.0005	NA	0%	0	0	Not Evaluated		6/25/2025	0.0005	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	0/26	100%	0.0005 - 0.002	0.0006	0.0005	0.0009	NA	53%	0	0	Not Evaluated	NA	6/26/2025	0.0005	No	0.0005	NA	No	0.005	0.005	NA	No
WAP-14	0/21	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	7/9/2025	0.0005	No		NA	No			NA	No
WAP-15	0/21	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	7/8/2025	0.0005	No		NA	No			NA	No
WAP-16	0/21	100%	0.0005 - 0.001	0.0005	0.0005	0.0005	NA	21%	0	0	Not Evaluated	NA	7/9/2025	0.0005	No		NA	No			NA	No
CCR Appendix IV: Chromium, Total (mg/L)																						
WBW-1	1/23	96%	0.005 - 0.005	0.005	0.005	0.005	0.005	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.005	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	0/25	100%	0.005 - 0.005	0.005	0.005	0.005	NA	0%	0	0	Not Evaluated		6/25/2025	0.005	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	2/26	92%	0.005 - 0.01	0.005	0.005	0.009	0.01	30%	0	0	Not Evaluated	NA	6/26/2025	0.005	No	0.005	NA	No	0.1	0.1	NA	No
WAP-14	1/23	96%	0.005 - 0.005	0.005	0.005	0.005	0.0031	8%	0	0	Not Evaluated	NA	7/9/2025	0.005	No		NA	No			NA	No
WAP-15	1/23	96%	0.005 - 0.005	0.005	0.005	0.005	0.0015	15%	0	0	Not Evaluated	NA	7/8/2025	0.005	No		NA	No			NA	No
WAP-16	1/23	96%	0.005 - 0.005	0.005	0.005	0.005	0.0019	13%	0	0	Not Evaluated	NA	7/9/2025	0.005	No		NA	No			NA	No

TABLE 1
JUNE AND JULY 2025 SEMIANNUAL ASSESSMENT MONITORING DATA (SLURRY POND 3 & 4)
WINYAH GENERATING STATION
SLURRY POND 3 & 4

Overall Data Summary												Assessment Monitoring Analysis										
Location	Frequency of Detection	Percent of Non-Detect Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	Number of Detected Results MCL/RSL Exceedances	Number of Non-Detect Results MCL/RSL Exceedances	Mann-Kendall Trend [a]	Assumed Data Distribution	Sample Date	June/July 2025 Concentration	Detect (Y/N)	Inter-well Upper Tolerance Limit (UTL) [b]	Intra-well Upper Prediction Limit (UPL) [c]	Statistically Significant Increase (SSI) *Sample results that exceed the max Upper Limit [d]*	CCR MCL/RSL	Groundwater Protection Standard (GWPS) *Max level between the Max Upper Limit and MCL/RSL*	Lower Confidence Limit (LCL) *Only calculated for GWPS Exceedances*	Statistically Significant Level (SSL) *Result > GWPS and LCL > GWPS*
CCR Appendix IV: Cobalt, Total (mg/L)																						
WBW-1	8/24	67%	0.0005 - 0.0005	0.0011	0.0005	0.0030	0.00838	148%	1	0	Decreasing	Non-Parametric (Pooled Background Data)	6/25/2025	0.0005	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	11/24	54%	0.0005 - 0.0005	0.0007	0.0005	0.0015	0.0016	49%	0	0	Stable		6/25/2025	0.00094	Yes	NA	NA	NA	NA	NA	NA	NA
WAP-4	2/24	92%	0.0005 - 0.0005	0.0005	0.0005	0.0006	0.00065	8%	0	0	Not Evaluated	NA	6/26/2025	0.00065	Yes	0.00838	NA	No	0.006	0.00838	NA	No
WAP-14	2/24	92%	0.0005 - 0.0005	0.0005	0.0005	0.0007	0.00093	18%	0	0	Not Evaluated	NA	7/9/2025	0.0005	No		NA	No			NA	No
WAP-15R	7/25	72%	0.0005 - 0.01	0.0014	0.0005	0.0062	0.0066	166%	1	1	Not Evaluated	NA	7/8/2025	0.0005	No		NA	No			NA	No
WAP-16	4/24	83%	0.0005 - 0.0005	0.0005	0.0005	0.0005	0.00056	13%	0	0	Not Evaluated	NA	7/9/2025	0.0005	No		NA	No			NA	No
CCR Appendix IV: Fluoride, Total (mg/L)																						
WBW-1	1/25	96%	0.1 - 0.1	0.100	0.100	0.100	0.1	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.1	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	2/25	92%	0.1 - 0.1	0.103	0.100	0.124	0.14	10%	0	0	Not Evaluated		6/25/2025	0.1	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	11/26	58%	0.1 - 0.1	0.103	0.100	0.128	0.13	17%	0	0	Probably Decreasing	NA	6/26/2025	0.1	No	0.14	NA	No	4	4	NA	No
WAP-14	24/26	8%	0.1 - 0.1	0.58	0.59	0.99	1.02	47%	0	0	No Trend	NA	7/9/2025	0.97	Yes		NA	Yes			NA	No
WAP-15	22/26	15%	0.1 - 0.1	0.189	0.165	0.344	0.5	51%	0	0	Increasing	NA	7/8/2025	0.34	Yes		NA	Yes			NA	No
WAP-16	20/25	20%	0.1 - 0.1	0.159	0.160	0.240	0.25	29%	0	0	Stable	NA	7/9/2025	0.19	Yes		NA	Yes			NA	No
CCR Appendix IV: Lead, Total (mg/L)																						
WBW-1	0/23	100%	0.001 - 0.01	0.002	0.001	0.009	NA	122%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.001	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	4/25	84%	0.001 - 0.01	0.002	0.001	0.004	0.00456	103%	0	0	Not Evaluated		6/25/2025	0.001	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	1/26	96%	0.001 - 0.0025	0.001	0.001	0.003	0.0031	50%	0	0	Not Evaluated	NA	6/26/2025	0.001	No	0.01	NA	No	0.015	0.015	NA	No
WAP-14	1/24	96%	0.001 - 0.01	0.002	0.001	0.003	0.00039	111%	0	0	Not Evaluated	NA	7/9/2025	0.001	No		NA	No			NA	No
WAP-15	0/24	100%	0.001 - 0.01	0.002	0.001	0.003	NA	108%	0	0	Not Evaluated	NA	7/8/2025	0.001	No		NA	No			NA	No
WAP-16	1/24	96%	0.001 - 0.01	0.002	0.001	0.003	0.0012	107%	0	0	Not Evaluated	NA	7/9/2025	0.001	No		NA	No			NA	No
CCR Appendix IV: Lithium, Total (mg/L)																						
WBW-1	1/24	96%	0.005 - 0.01	0.0088	0.0100	0.0100	0.0099	25%	0	0	Not Evaluated	NA	6/25/2025	0.005	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	1/24	96%	0.005 - 0.01	0.0086	0.0100	0.0100	0.0116	28%	0	0	Not Evaluated	NA	6/25/2025	0.005	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	16/25	36%	0.005 - 0.01	0.0115	0.0100	0.0165	0.031	43%	0	0	No Trend	Not normal (Baseline, 99%)	6/26/2025	0.0101	Yes	0.0116	0.031	No	0.04	0.04	NA	No
WAP-14	5/25	80%	0.005 - 0.05	0.0247	0.0100	0.0932	0.27	223%	2	1	No Trend		7/9/2025	0.005	No		0.27	No		0.27	NA	No
WAP-15	22/25	12%	0.01 - 0.01	0.0463	0.0426	0.0753	0.22	88%	14	0	No Trend		7/8/2025	0.0687	Yes		0.22	No		0.22	NA	No
WAP-16	5/25	80%	0.005 - 0.25	0.0187	0.0100	0.0100	0.00916	257%	0	1	No Trend		7/9/2025	0.00846	Yes		0.25	No		0.25	NA	No
CCR Appendix IV: Mercury, Total (mg/L)																						
WBW-1	1/21	95%	0.0002 - 0.0002	0.0002	0.0002	0.0002	0.0002	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.0002	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	0/21	100%	0.0002 - 0.0002	0.0002	0.0002	0.0002	NA	0%	0	0	Not Evaluated		6/25/2025	0.0002	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	0/20	100%	0.0002 - 0.0002	0.0002	0.0002	0.0002	NA	0%	0	0	Not Evaluated	NA	6/26/2025	0.0002	No	0.0002	NA	No	0.002	0.002	NA	No
WAP-14	0/20	100%	0.0002 - 0.001	0.0002	0.0002	0.0002	NA	73%	0	0	Not Evaluated	NA	7/9/2025	0.0002	No		NA	No			NA	No
WAP-15	0/20	100%	0.0002 - 0.0002	0.0002	0.0002	0.0002	NA	0%	0	0	Not Evaluated	NA	7/8/2025	0.0002	No		NA	No			NA	No
WAP-16	0/20	100%	0.0002 - 0.0002	0.0002	0.0002	0.0002	NA	0%	0	0	Not Evaluated	NA	7/9/2025	0.0002	No		NA	No			NA	No
CCR Appendix IV: Molybdenum, Total (mg/L)																						
WBW-1	0/24	100%	0.005 - 0.05	0.010	0.010	0.010	NA	84%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.005	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	0/24	100%	0.005 - 0.01	0.009	0.010	0.010	NA	27%	0	0	Not Evaluated		6/25/2025	0.005	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	0/21	100%	0.005 - 0.04	0.010	0.010	0.010	NA	75%	0	0	Not Evaluated	NA	6/26/2025	0.005	No	0.05	NA	No	0.1	0.1	NA	No
WAP-14	0/21	100%	0.005 - 0.4	0.027	0.010	0.010	NA	315%	0	1	Not Evaluated	NA	7/9/2025	0.005	No		NA	No			NA	No
WAP-15	0/22	100%	0.005 - 0.4	0.028	0.010	0.048	NA	296%	0	1	Not Evaluated	NA	7/8/2025	0.005	No		NA	No			NA	No
WAP-16	0/21	100%	0.005 - 0.2	0.018	0.010	0.010	NA	238%	0	1	Not Evaluated	NA	7/9/2025	0.005	No		NA	No			NA	No

TABLE 1
JUNE AND JULY 2025 SEMIANNUAL ASSESSMENT MONITORING DATA (SLURRY POND 3 & 4)
WINYAH GENERATING STATION
SLURRY POND 3 & 4

Overall Data Summary												Assessment Monitoring Analysis										
Location	Frequency of Detection	Percent of Non-Detect Results	Range of Reporting Limits	Mean	50th Percentile (Median)	95th Percentile	Maximum Detected Value	Coefficient of Variance	Number of Detected Results MCL/RSL Exceedances	Number of Non-Detect Results MCL/RSL Exceedances	Mann-Kendall Trend [a]	Assumed Data Distribution	Sample Date	June/July 2025 Concentration	Detect (Y/N)	Inter-well Upper Tolerance Limit (UTL) [b]	Intra-well Upper Prediction Limit (UPL) [c]	Statistically Significant Increase (SSI) *Sample results that exceed the max Upper Limit [d]*	CCR MCL/RSL	Groundwater Protection Standard (GWPS) *Max level between the Max Upper Limit and MCL/RSL*	Lower Confidence Limit (LCL) *Only calculated for GWPS Exceedances*	Statistically Significant Level (SSL) *Result > GWPS and LCL > GWPS*
CCR Appendix IV: Radium 226 & Radium 228, Total (pCi/L)																						
WBW-1	17/24	29%	0 - 4	2.87	3.58	4.33	4.39	50%	0	0	Stable	Non-Parametric (Pooled Background Data)	6/25/2025	2.24	Yes	NA	NA	NA	NA	NA	NA	NA
WAP-1	19/24	21%	4 - 4	3.23	4.00	5.63	5.97	48%	4	0	No Trend		6/25/2025	2.14	Yes	NA	NA	NA	NA	NA	NA	NA
WAP-4	22/25	12%	4 - 4	3.11	2.57	5.92	7.15	58%	4	0	Stable	NA	6/26/2025	2.87	Yes	5.97	NA	No	5	5.97	NA	No
WAP-14	23/25	8%	4 - 4	3.50	3.15	5.88	7.4	44%	4	0	No Trend	NA	7/9/2025	2.41	Yes		NA	No			NA	No
WAP-15	25/25	0%	NA	4.50	4.69	6.64	6.92	33%	9	0	No Trend	NA	7/8/2025	5.68	Yes		NA	No			NA	No
WAP-16	24/25	4%	45751	4.03	3.96	6.80	8.4	43%	7	0	Stable	NA	7/9/2025	3.93	Yes		NA	No			NA	No
CCR Appendix IV: Selenium, Total (mg/L)																						
WBW-1	0/23	100%	0.0025 - 0.02	0.011	0.010	0.020	NA	40%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.01	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	0/25	100%	0.0025 - 0.02	0.011	0.010	0.020	NA	37%	0	0	Not Evaluated		6/25/2025	0.01	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	0/26	100%	0.0025 - 0.02	0.010	0.010	0.020	NA	40%	0	0	Not Evaluated	NA	6/26/2025	0.01	No	0.02	NA	No	0.05	0.05	NA	No
WAP-14	1/21	95%	0.0025 - 0.02	0.011	0.010	0.020	0.0021	47%	0	0	Not Evaluated	NA	7/9/2025	0.01	No		NA	No			NA	No
WAP-15	1/21	95%	0.0025 - 0.02	0.011	0.010	0.020	0.00095	48%	0	0	Not Evaluated	NA	7/8/2025	0.01	No		NA	No			NA	No
WAP-16	0/21	100%	0.0025 - 0.02	0.011	0.010	0.020	NA	44%	0	0	Not Evaluated	NA	7/9/2025	0.01	No		NA	No			NA	No
CCR Appendix IV: Thallium, Total (mg/L)																						
WBW-1	0/22	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	Non-Parametric (Pooled Background Data)	6/25/2025	0.001	No	NA	NA	NA	NA	NA	NA	NA
WAP-1	0/22	100%	0.0001 - 0.001	0.001	0.001	0.001	NA	20%	0	0	Not Evaluated		6/25/2025	0.001	No	NA	NA	NA	NA	NA	NA	NA
WAP-4	0/21	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	NA	6/26/2025	0.001	No	0.001	NA	No	0.002	0.002	NA	No
WAP-14	0/21	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	NA	7/9/2025	0.001	No		NA	No			NA	No
WAP-15	0/21	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	NA	7/8/2025	0.001	No		NA	No			NA	No
WAP-16	0/21	100%	0.001 - 0.001	0.001	0.001	0.001	NA	0%	0	0	Not Evaluated	NA	7/9/2025	0.001	No		NA	No			NA	No

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] Interwell Tolerance Limits are calculated from data collected from pooled upgradient well data (WBW-1 and WAP-1) through July 2025. No statistical outlier data points were removed from background datasets.

[c] Intra-well upper prediction limits calculated for arsenic and lithium only from well-specific baseline data collected through February 2025. No statistical outlier data points were removed from baseline datasets.

[d] The max upper limit for arsenic and lithium is the maximum between the inter-well UTL and intra-well UPL, and is the inter-well UTL for other constituents.

MCL/RSL: Maximum contaminant level/Regional screening level

mg/L: milligrams per liter, pCi/L: picocuries per liter

NA: not applicable

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	Antimony	mg/L	22	21	95	0.025	0.002	0.00579	0.005	0.0043	75	0.002 - 0.025	2015-11-10 to 2025-06-25
WAP-14	Antimony	mg/L	21	18	86	0.025	0.002	0.00578	0.005	0.0045	78.4	0.002 - 0.025	2015-11-12 to 2025-07-09
WAP-15	Antimony	mg/L	21	19	90	0.025	0.002	0.00571	0.005	0.0045	79	0.002 - 0.025	2015-11-12 to 2025-07-08
WAP-16	Antimony	mg/L	21	21	100	0.025	0.002	0.00567	0.005	0.0045	79.8	0.002 - 0.025	2015-11-12 to 2025-07-09
WAP-4	Antimony	mg/L	21	19	90	0.025	0.002	0.00574	0.005	0.0045	78.7	0.002 - 0.025	2015-11-12 to 2025-06-26
WBW-1	Antimony	mg/L	22	22	100	0.025	0.005	0.00591	0.005	0.0043	72.2	0.005 - 0.025	2015-11-10 to 2025-06-25
WAP-1	Arsenic	mg/L	26	19	73	0.0096	0.003	0.00542	0.005	0.0015	27	0.003 - 0.005	2015-11-10 to 2025-06-25
WAP-14	Arsenic	mg/L	25	2	8	0.0475	0.003	0.0205	0.0171	0.011	56.1	0.003 - 0.005	2015-11-12 to 2025-07-09
WAP-15	Arsenic	mg/L	25	17	68	0.0084	0.003	0.00499	0.005	0.0012	23.6	0.003 - 0.005	2015-11-12 to 2025-07-08
WAP-16	Arsenic	mg/L	25	24	96	0.005	0.00063	0.00435	0.005	0.0012	26.7	0.003 - 0.005	2015-11-12 to 2025-07-09
WAP-4	Arsenic	mg/L	27	26	96	0.005	0.00044	0.00446	0.005	0.0011	25.2	0.003 - 0.005	2015-11-12 to 2025-06-26
WBW-1	Arsenic	mg/L	24	24	100	0.005	0.003	0.0045	0.005	0.00088	19.7	0.003 - 0.005	2015-11-10 to 2025-06-25
WAP-1	Barium	mg/L	26	0	0	0.094	0.0058	0.042	0.04185	0.026	62.3	NA	2015-11-10 to 2025-06-25
WAP-14	Barium	mg/L	25	0	0	0.093	0.0411	0.0548	0.0503	0.012	21.3	NA	2015-11-12 to 2025-07-09
WAP-15	Barium	mg/L	25	0	0	0.413	0.069	0.237	0.234	0.082	34.8	NA	2015-11-12 to 2025-07-08
WAP-16	Barium	mg/L	25	0	0	0.18	0.0702	0.109	0.0945	0.035	32	NA	2015-11-12 to 2025-07-09
WAP-4	Barium	mg/L	27	0	0	0.0818	0.0291	0.0434	0.0429	0.011	25.1	NA	2015-11-12 to 2025-06-26
WBW-1	Barium	mg/L	24	0	0	0.0534	0.0072	0.0183	0.0151	0.011	60.3	NA	2015-11-10 to 2025-06-25
WAP-1	Beryllium	mg/L	22	22	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-06-25
WAP-14	Beryllium	mg/L	21	21	100	0.001	0.0005	0.000524	0.0005	0.00011	20.8	0.0005 - 0.001	2015-11-12 to 2025-07-09
WAP-15	Beryllium	mg/L	21	16	76	0.00351	0.00026	0.000788	0.0005	0.00079	101	0.0005 - 0.0005	2015-11-12 to 2025-07-08
WAP-16	Beryllium	mg/L	21	21	100	0.001	0.0005	0.000524	0.0005	0.00011	20.8	0.0005 - 0.001	2015-11-12 to 2025-07-09
WAP-4	Beryllium	mg/L	21	21	100	0.001	0.0005	0.000524	0.0005	0.00011	20.8	0.0005 - 0.001	2015-11-12 to 2025-06-26
WBW-1	Beryllium	mg/L	22	22	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-06-25
WAP-1	Cadmium	mg/L	25	25	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-06-25
WAP-14	Cadmium	mg/L	21	21	100	0.001	0.0005	0.000524	0.0005	0.00011	20.8	0.0005 - 0.001	2015-11-12 to 2025-07-09
WAP-15	Cadmium	mg/L	21	21	100	0.001	0.0005	0.000524	0.0005	0.00011	20.8	0.0005 - 0.001	2015-11-12 to 2025-07-08
WAP-16	Cadmium	mg/L	21	21	100	0.001	0.0005	0.000524	0.0005	0.00011	20.8	0.0005 - 0.001	2015-11-12 to 2025-07-09
WAP-4	Cadmium	mg/L	26	26	100	0.002	0.0005	0.000577	0.0005	0.00031	53.1	0.0005 - 0.002	2015-11-12 to 2025-06-26
WBW-1	Cadmium	mg/L	23	23	100	0.0005	0.0005	0.0005	0.0005	0	0	0.0005 - 0.0005	2015-11-10 to 2025-06-25
WAP-1	Chromium	mg/L	25	25	100	0.005	0.005	0.005	0.005	0	0	0.005 - 0.005	2015-11-10 to 2025-06-25
WAP-14	Chromium	mg/L	23	22	96	0.005	0.0031	0.00492	0.005	0.0004	8.06	0.005 - 0.005	2015-11-12 to 2025-07-09
WAP-15	Chromium	mg/L	23	22	96	0.005	0.0015	0.00485	0.005	0.00073	15.1	0.005 - 0.005	2015-11-12 to 2025-07-08
WAP-16	Chromium	mg/L	23	22	96	0.005	0.0019	0.00487	0.005	0.00065	13.3	0.005 - 0.005	2015-11-12 to 2025-07-09
WAP-4	Chromium	mg/L	26	24	92	0.01	0.0012	0.00524	0.005	0.0016	30.3	0.005 - 0.01	2015-11-12 to 2025-06-26
WBW-1	Chromium	mg/L	23	22	96	0.005	0.005	0.005	0.005	0	0	0.005 - 0.005	2015-11-10 to 2025-06-25
WAP-1	Cobalt	mg/L	24	13	54	0.0016	0.0005	0.000724	0.0005	0.00036	49.3	0.0005 - 0.0005	2015-11-10 to 2025-06-25
WAP-14	Cobalt	mg/L	24	22	92	0.00093	0.0005	0.000526	0.0005	9.5e-05	18.1	0.0005 - 0.0005	2015-11-12 to 2025-07-09
WAP-15	Cobalt	mg/L	25	18	72	0.01	0.00021	0.00141	0.0005	0.0023	166	0.0005 - 0.01	2015-11-12 to 2025-07-08
WAP-16	Cobalt	mg/L	24	20	83	0.00056	0.00019	0.00049	0.0005	6.5e-05	13.3	0.0005 - 0.0005	2015-11-12 to 2025-07-09
WAP-4	Cobalt	mg/L	24	22	92	0.00065	0.0005	0.000512	0.0005	4.1e-05	8	0.0005 - 0.0005	2015-11-12 to 2025-06-26
WBW-1	Cobalt	mg/L	24	16	67	0.00838	0.0005	0.00114	0.0005	0.0017	148	0.0005 - 0.0005	2015-11-10 to 2025-06-25
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-14	Fluoride	mg/L	26	2	8	1.02	0.1	0.584	0.59	0.28	47.2	0.1 - 0.1	2015-11-12 to 2025-07-09
WAP-15	Fluoride	mg/L	26	4	15	0.5	0.1	0.189	0.165	0.097	51.4	0.1 - 0.1	2015-11-12 to 2025-07-08
WAP-16	Fluoride	mg/L	25	5	20	0.25	0.1	0.159	0.16	0.047	29.4	0.1 - 0.1	2015-11-12 to 2025-07-09
WAP-4	Fluoride	mg/L	26	15	58	0.13	0.033	0.103	0.1	0.017	16.8	0.1 - 0.1	2015-11-12 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
WAP-1	Lead	mg/L	25	21	84	0.01	0.001	0.00185	0.001	0.0019	103	0.001 - 0.01	2015-11-10 to 2025-06-25
WAP-14	Lead	mg/L	24	23	96	0.01	0.00039	0.0017	0.001	0.0019	111	0.001 - 0.01	2015-11-12 to 2025-07-09
WAP-15	Lead	mg/L	24	24	100	0.01	0.001	0.00173	0.001	0.0019	108	0.001 - 0.01	2015-11-12 to 2025-07-08
WAP-16	Lead	mg/L	24	23	96	0.01	0.001	0.00174	0.001	0.0019	107	0.001 - 0.01	2015-11-12 to 2025-07-09
WAP-4	Lead	mg/L	26	25	96	0.0031	0.001	0.00141	0.001	0.0007	49.9	0.001 - 0.0025	2015-11-12 to 2025-06-26
WBW-1	Lead	mg/L	23	23	100	0.01	0.001	0.00211	0.001	0.0026	122	0.001 - 0.01	2015-11-10 to 2025-06-25
WAP-1	Lithium	mg/L	24	23	96	0.0116	0.005	0.00861	0.01	0.0024	27.7	0.005 - 0.01	2015-11-10 to 2025-06-25
WAP-14	Lithium	mg/L	25	20	80	0.27	0.005	0.0247	0.01	0.055	223	0.005 - 0.05	2015-11-12 to 2025-07-09
WAP-15	Lithium	mg/L	25	3	12	0.22	0.01	0.0463	0.0426	0.041	88.3	0.01 - 0.01	2015-11-12 to 2025-07-08
WAP-16	Lithium	mg/L	25	20	80	0.25	0.005	0.0187	0.01	0.048	257	0.005 - 0.25	2015-11-12 to 2025-07-09
WAP-4	Lithium	mg/L	25	9	36	0.031	0.005	0.0115	0.01	0.005	43.3	0.005 - 0.01	2015-11-12 to 2025-06-26
WBW-1	Lithium	mg/L	24	23	96	0.01	0.005	0.00875	0.01	0.0022	25.3	0.005 - 0.01	2015-11-10 to 2025-06-25
WAP-1	Mercury	mg/L	22	22	100	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-10 to 2025-06-25
WAP-14	Mercury	mg/L	21	21	100	0.001	0.0002	0.000238	0.0002	0.00017	73.3	0.0002 - 0.001	2015-11-12 to 2025-07-09
WAP-15	Mercury	mg/L	21	21	100	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-12 to 2025-07-08
WAP-16	Mercury	mg/L	21	21	100	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-12 to 2025-07-09
WAP-4	Mercury	mg/L	21	21	100	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-12 to 2025-06-26
WBW-1	Mercury	mg/L	22	21	95	0.0002	0.0002	0.0002	0.0002	0	0	0.0002 - 0.0002	2015-11-10 to 2025-06-25
WAP-1	Molybdenum	mg/L	24	24	100	0.01	0.005	0.00854	0.01	0.0023	27.2	0.005 - 0.01	2015-11-10 to 2025-06-25
WAP-14	Molybdenum	mg/L	21	21	100	0.4	0.005	0.0271	0.01	0.085	315	0.005 - 0.4	2015-11-12 to 2025-07-09
WAP-15	Molybdenum	mg/L	22	22	100	0.4	0.005	0.0282	0.01	0.084	296	0.005 - 0.4	2015-11-12 to 2025-07-08
WAP-16	Molybdenum	mg/L	21	21	100	0.2	0.005	0.0176	0.01	0.042	238	0.005 - 0.2	2015-11-12 to 2025-07-09
WAP-4	Molybdenum	mg/L	21	21	100	0.04	0.005	0.00976	0.01	0.0073	75.1	0.005 - 0.04	2015-11-12 to 2025-06-26
WBW-1	Molybdenum	mg/L	24	24	100	0.05	0.005	0.0104	0.01	0.0087	83.6	0.005 - 0.05	2015-11-10 to 2025-06-25
WAP-1	Radium-226 & 228	pCi/L	24	5	21	5.97	0.952	3.23	4	1.5	47.7	4 - 4	2015-11-10 to 2025-06-25
WAP-14	Radium-226 & 228	pCi/L	25	2	8	7.4	1.01	3.5	3.15	1.5	43.7	4 - 4	2015-11-12 to 2025-07-09
WAP-15	Radium-226 & 228	pCi/L	25	0	0	6.92	0.983	4.5	4.69	1.5	33.2	NA	2015-11-12 to 2025-07-08
WAP-16	Radium-226 & 228	pCi/L	25	1	4	8.4	1.11	4.03	3.96	1.7	43.1	4 - 4	2015-11-12 to 2025-07-09
WAP-4	Radium-226 & 228	pCi/L	25	3	12	7.15	0.549	3.11	2.57	1.8	57.9	4 - 4	2015-11-12 to 2025-06-26

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

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
WBW-1	Radium-226 & 228	pCi/L	24	7	29	4.39	0	2.87	3.585	1.4	50.3	0 - 4	2015-11-10 to 2025-06-25
WAP-1	Selenium	mg/L	25	25	100	0.02	0.0025	0.0107	0.01	0.0039	36.6	0.0025 - 0.02	2015-11-10 to 2025-06-25
WAP-14	Selenium	mg/L	21	20	95	0.02	0.0021	0.0109	0.01	0.0051	46.9	0.0025 - 0.02	2015-11-12 to 2025-07-09
WAP-15	Selenium	mg/L	21	20	95	0.02	0.00095	0.0109	0.01	0.0052	48.1	0.0025 - 0.02	2015-11-12 to 2025-07-08
WAP-16	Selenium	mg/L	21	21	100	0.02	0.0025	0.0111	0.01	0.0049	44.3	0.0025 - 0.02	2015-11-12 to 2025-07-09
WAP-4	Selenium	mg/L	26	26	100	0.02	0.0025	0.0103	0.01	0.0041	40.3	0.0025 - 0.02	2015-11-12 to 2025-06-26
WBW-1	Selenium	mg/L	23	23	100	0.02	0.0025	0.0112	0.01	0.0045	40.3	0.0025 - 0.02	2015-11-10 to 2025-06-25
WAP-1	Thallium	mg/L	22	22	100	0.001	0.0001	0.000959	0.001	0.00019	20	0.0001 - 0.001	2015-11-10 to 2025-06-25
WAP-14	Thallium	mg/L	21	21	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-12 to 2025-07-09
WAP-15	Thallium	mg/L	21	21	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-12 to 2025-07-08
WAP-16	Thallium	mg/L	21	21	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-12 to 2025-07-09
WAP-4	Thallium	mg/L	21	21	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-12 to 2025-06-26
WBW-1	Thallium	mg/L	22	22	100	0.001	0.001	0.001	0.001	0	0	0.001 - 0.001	2015-11-10 to 2025-06-25

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	Antimony	0.366	9e-09	22	21	Not normal	Not normal
WAP-14	Antimony	0.493	1.7e-07	21	18	Not normal	Not normal
WAP-15	Antimony	0.501	2.1e-07	21	19	Not normal	Not normal
WAP-16	Antimony	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Antimony	0.512	2.6e-07	21	19	Not normal	Not normal
WBW-1	Antimony	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Arsenic	0.682	3.1e-06	26	19	Not normal	Not normal
WAP-14	Arsenic	0.890	0.011	25	2	Not normal	Normal
WAP-15	Arsenic	0.750	3.8e-05	25	17	Not normal	Not normal
WAP-16	Arsenic	0.612	5.8e-07	25	24	Not normal	Not normal
WAP-4	Arsenic	0.545	5e-08	27	26	Not normal	Not normal
WBW-1	Arsenic	NA	NA	24	24	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Barium	0.944	0.17	26	0	Normal	Normal
WAP-14	Barium	0.783	0.00012	25	0	Not normal	Not normal
WAP-15	Barium	0.985	0.97	25	0	Normal	Normal
WAP-16	Barium	0.831	0.00078	25	0	Not normal	Not normal
WAP-4	Barium	0.858	0.0016	27	0	Not normal	Not normal
WBW-1	Barium	0.762	7.5e-05	24	0	Not normal	Not normal
WAP-1	Beryllium	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Beryllium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Beryllium	0.473	1.2e-07	21	16	Not normal	Not normal
WAP-16	Beryllium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Beryllium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Beryllium	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Cadmium	NA	NA	25	25	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Cadmium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Cadmium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Cadmium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Cadmium	NA	NA	26	26	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Cadmium	NA	NA	23	23	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Chromium	NA	NA	25	25	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Chromium	0.215	4e-10	23	22	Not normal	Not normal
WAP-15	Chromium	0.215	4e-10	23	22	Not normal	Not normal
WAP-16	Chromium	0.215	4e-10	23	22	Not normal	Not normal
WAP-4	Chromium	0.347	1e-09	26	24	Not normal	Not normal
WBW-1	Chromium	0.215	4e-10	23	22	Not normal	Not normal
WAP-1	Cobalt	0.757	6.2e-05	24	13	Not normal	Not normal
WAP-14	Cobalt	0.324	1.6e-09	24	22	Not normal	Not normal
WAP-15	Cobalt	0.518	5.6e-08	25	18	Not normal	Not normal
WAP-16	Cobalt	0.467	2.7e-08	24	20	Not normal	Not normal
WAP-4	Cobalt	0.317	1.4e-09	24	22	Not normal	Not normal
WBW-1	Cobalt	0.478	3.5e-08	24	16	Not normal	Not normal
WAP-1	Fluoride	0.313	8.3e-10	25	23	Not normal	Not normal
WAP-14	Fluoride	0.964	0.47	26	2	Normal	Normal
WAP-15	Fluoride	0.910	0.027	26	4	Not normal	Normal
WAP-16	Fluoride	0.924	0.065	25	5	Normal	Normal
WAP-4	Fluoride	0.740	2e-05	26	15	Not normal	Not normal
WBW-1	Fluoride	0.203	1.2e-10	25	24	Not normal	Not normal
WAP-1	Lead	0.550	1.2e-07	25	21	Not normal	Not normal
WAP-14	Lead	0.434	1.4e-08	24	23	Not normal	Not normal
WAP-15	Lead	NA	NA	24	24	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Lead	0.444	1.7e-08	24	23	Not normal	Not normal
WAP-4	Lead	0.519	3.9e-08	26	25	Not normal	Not normal
WBW-1	Lead	NA	NA	23	23	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Lithium	0.624	1.2e-06	24	23	Not normal	Not normal
WAP-14	Lithium	0.333	1.2e-09	25	20	Not normal	Not normal
WAP-15	Lithium	0.666	2.6e-06	25	3	Not normal	Not normal
WAP-16	Lithium	0.245	2.5e-10	25	20	Not normal	Not normal
WAP-4	Lithium	0.822	0.00054	25	9	Not normal	Not normal
WBW-1	Lithium	0.649	2.3e-06	24	23	Not normal	Not normal
WAP-1	Mercury	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Mercury	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Mercury	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Mercury	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Mercury	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Mercury	0.221	7.4e-10	22	21	Not normal	Not normal
WAP-1	Molybdenum	NA	NA	24	24	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Molybdenum	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Molybdenum	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Molybdenum	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Molybdenum	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Molybdenum	NA	NA	24	24	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results

Location	Constituent	Shapiro-Wilk Test for Normality (R programming, package = stats, version 4.3.3, function = shapiro.test, non-detects substituted by 0.5*reporting limit)					
		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	Radium-226 & 228	0.828	0.00089	24	5	Not normal	Not normal
WAP-14	Radium-226 & 228	0.925	0.067	25	2	Normal	Normal
WAP-15	Radium-226 & 228	0.954	0.3	25	0	Normal	Normal
WAP-16	Radium-226 & 228	0.970	0.64	25	1	Normal	Normal
WAP-4	Radium-226 & 228	0.912	0.033	25	3	Not normal	Normal
WBW-1	Radium-226 & 228	0.896	0.018	24	7	Not normal	Normal
WAP-1	Selenium	NA	NA	25	25	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Selenium	0.745	0.00011	21	20	Not normal	Not normal
WAP-15	Selenium	0.754	0.00014	21	20	Not normal	Not normal
WAP-16	Selenium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Selenium	NA	NA	26	26	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Selenium	NA	NA	23	23	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-1	Thallium	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-14	Thallium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-15	Thallium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-16	Thallium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WAP-4	Thallium	NA	NA	21	21	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results
WBW-1	Thallium	NA	NA	22	22	Not Evaluated - All Non-Detect Results	Not Evaluated - All Non-Detect Results

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	Antimony	22	21	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-14	Antimony	21	18	Dixon	0.995	0	NA	NA	Yes	No
WAP-15	Antimony	21	19	Dixon	0.98	0	NA	NA	Yes	No
WAP-16	Antimony	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Antimony	21	19	Dixon	0.985	0	NA	NA	Yes	No
WBW-1	Antimony	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Arsenic	26	19	Rosner	2.86, 2.68, 3.1	NA	2.841, 2.822, 2.802	3	NA	No
WAP-14	Arsenic	25	2	Dixon	0.1207	0.4833	NA	NA	No	No
WAP-15	Arsenic	25	17	Dixon	0.4259	0.0709	NA	NA	No	No
WAP-16	Arsenic	25	24	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-4	Arsenic	27	26	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WBW-1	Arsenic	24	24	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Barium	26	0	Rosner	1.99, 1.686, 1.836	NA	2.841, 2.822, 2.802	0	NA	No
WAP-14	Barium	25	0	Dixon	0.5117	0.01119	NA	NA	Yes	No
WAP-15	Barium	25	0	Dixon	0.2842	0.4887	NA	NA	No	No
WAP-16	Barium	25	0	Dixon	0.0498	0.112	NA	NA	No	No
WAP-4	Barium	27	0	Rosner	3.535, 2.69, 1.786	NA	2.859, 2.841, 2.822	1	NA	No
WBW-1	Barium	24	0	Dixon	0.4943	0.02127	NA	NA	Yes	No
WAP-1	Beryllium	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Beryllium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Beryllium	21	16	Dixon	0.701	0	NA	NA	Yes	No
WAP-16	Beryllium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Beryllium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Beryllium	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Cadmium	25	25	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Cadmium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Cadmium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Cadmium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Cadmium	26	26	Rosner	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Cadmium	23	23	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Chromium	25	25	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Chromium	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-15	Chromium	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-16	Chromium	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-4	Chromium	26	24	Rosner	3, 3.866, 4.695	NA	2.841, 2.822, 2.802	3	NA	No
WBW-1	Chromium	23	22	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-1	Cobalt	24	13	Dixon	0.1727	0.805	NA	NA	No	No
WAP-14	Cobalt	24	22	Dixon	1	0	NA	NA	Yes	No
WAP-15	Cobalt	25	18	Dixon	0.5579	0	NA	NA	Yes	No
WAP-16	Cobalt	24	20	Dixon	0.9687	0	NA	NA	Yes	No
WAP-4	Cobalt	24	22	Dixon	1	0	NA	NA	Yes	No
WBW-1	Cobalt	24	16	Dixon	0.7716	0	NA	NA	Yes	No
WAP-1	Fluoride	25	23	Dixon	1	0	NA	NA	Yes	No
WAP-14	Fluoride	26	2	Rosner	1.756, 1.917, 1.969	NA	2.841, 2.822, 2.802	0	NA	No
WAP-15	Fluoride	26	4	Rosner	3.201, 2.242, 2.512	NA	2.841, 2.822, 2.802	1	NA	No
WAP-16	Fluoride	25	5	Dixon	0.06667	0.1715	NA	NA	No	No
WAP-4	Fluoride	26	15	Rosner	4.046, 2.4, 2.826	NA	2.841, 2.822, 2.802	3	NA	No
WBW-1	Fluoride	25	24	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-1	Lead	25	21	Dixon	0.8333	0	NA	NA	Yes	No
WAP-14	Lead	24	23	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-15	Lead	24	24	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Lead	24	23	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-4	Lead	26	25	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WBW-1	Lead	23	23	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Lithium	24	23	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-14	Lithium	25	20	Dixon	0.8302	0	NA	NA	Yes	No
WAP-15	Lithium	25	3	Dixon	0.7181	0	NA	NA	Yes	No
WAP-16	Lithium	25	20	Dixon	0.9826	0	NA	NA	Yes	No
WAP-4	Lithium	25	9	Dixon	0.6306	0	NA	NA	Yes	No
WBW-1	Lithium	24	23	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-1	Mercury	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Mercury	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Mercury	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Mercury	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Mercury	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Mercury	22	21	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-1	Molybdenum	24	24	Dixon	All results are non-detect	NA	NA	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-14	Molybdenum	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Molybdenum	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Molybdenum	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Molybdenum	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Molybdenum	24	24	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Radium-226 & 228	24	5	Dixon	0.2022	0.9921	NA	NA	No	No
WAP-14	Radium-226 & 228	25	2	Dixon	0.2697	0.5601	NA	NA	No	No
WAP-15	Radium-226 & 228	25	0	Dixon	0.3282	0.3036	NA	NA	No	No
WAP-16	Radium-226 & 228	25	1	Dixon	0.3412	0.2582	NA	NA	No	No
WAP-4	Radium-226 & 228	25	3	Dixon	0.2393	0.7266	NA	NA	No	No
WBW-1	Radium-226 & 228	24	7	Dixon	0.1449	0.6191	NA	NA	No	No
WAP-1	Selenium	25	25	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Selenium	21	20	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-15	Selenium	21	20	Dixon	Only 1 detected result.	NA	NA	NA	NA	No
WAP-16	Selenium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Selenium	26	26	Rosner	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Selenium	23	23	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-1	Thallium	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-14	Thallium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-15	Thallium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-16	Thallium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WAP-4	Thallium	21	21	Dixon	All results are non-detect	NA	NA	NA	NA	No
WBW-1	Thallium	22	22	Dixon	All results are non-detect	NA	NA	NA	NA	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	Antimony	Not Evaluated - Only one detected result.	Not Evaluated - Only one detected result.	22	1	0.739	NA	NA	NA	NA	8	1	2020-02-03 to 2025-06-25	0.446	NA	NA	NA	NA
WAP-14	Antimony	Not Evaluated - Majority of data (>75%) non-detect.	Probably Increasing	21	3	0.761	NA	NA	NA	NA	8	2	2018-06-07 to 2025-07-09	0.614	0.624	0.0624	93.8	14
WAP-15	Antimony	Not Evaluated - Majority of data (>75%) non-detect.	Probably Increasing	21	2	0.767	NA	NA	NA	NA	8	2	2018-06-07 to 2025-07-08	0.52	0.624	0.0624	93.8	14
WAP-16	Antimony	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.798	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0.229	NA	NA	NA	NA
WAP-4	Antimony	Not Evaluated - Majority of data (>75%) non-detect.	Probably Increasing	21	2	0.772	NA	NA	NA	NA	8	2	2018-06-07 to 2025-06-26	0.556	0.624	0.0624	93.8	14
WBW-1	Antimony	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	0.722	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-1	Arsenic	Increasing	No Trend	26	7	0.633	0.599	0.000125	100	148	8	6	2020-02-03 to 2025-06-25	0.441	0.0364	1	0	1
WAP-14	Arsenic	No Trend	Stable	25	23	0.577	0.207	0.154	84.6	62	8	8	2020-02-10 to 2025-07-09	0.413	0	1	0	0
WAP-15	Arsenic	Decreasing	Not Evaluated - Only one detected result.	25	8	0.543	-0.351	0.0261	97.4	-87	8	1	2020-02-06 to 2025-07-08	0.364	NA	NA	NA	NA
WAP-16	Arsenic	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	25	1	0.247	NA	NA	NA	NA	8	0	2020-02-06 to 2025-07-09	0.267	NA	NA	NA	NA
WAP-4	Arsenic	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	27	1	0.238	NA	NA	NA	NA	8	0	2020-02-06 to 2025-06-26	0.244	NA	NA	NA	NA
WBW-1	Arsenic	Not Evaluated - No detected results.	Not Evaluated - No detected results.	24	0	0.197	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0.267	NA	NA	NA	NA
WAP-1	Barium	Increasing	Stable	26	26	0.623	0.419	0.00292	99.7	136	8	8	2020-02-03 to 2025-06-25	0.308	-0.4	0.212	78.8	-11
WAP-14	Barium	Decreasing	Stable	25	25	0.213	-0.558	0.000105	100	-167	8	8	2020-02-10 to 2025-07-09	0.106	-0.357	0.266	73.4	-10
WAP-15	Barium	Stable	No Trend	25	25	0.348	-0.06	0.691	30.9	-18	8	8	2020-02-06 to 2025-07-08	0.34	0.0714	0.902	9.8	2
WAP-16	Barium	Decreasing	No Trend	25	25	0.32	-0.546	0.000153	100	-163	8	8	2020-02-06 to 2025-07-09	0.105	0.429	0.174	82.6	12
WAP-4	Barium	Decreasing	Stable	27	27	0.251	-0.514	0.00019	100	-180	8	8	2020-02-06 to 2025-06-26	0.0958	-0.5	0.108	89.2	-14
WBW-1	Barium	No Trend	Stable	24	24	0.603	0.186	0.214	78.6	51	8	8	2020-02-03 to 2025-06-25	0.498	-0.429	0.174	82.6	-12
WAP-1	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	0	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-14	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.208	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0	NA	NA	NA	NA
WAP-15	Beryllium	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - Only one detected result.	21	5	1.46	NA	NA	NA	NA	8	1	2018-06-07 to 2025-07-08	0.61	NA	NA	NA	NA
WAP-16	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.208	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0	NA	NA	NA	NA
WAP-4	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.208	NA	NA	NA	NA	8	0	2018-06-07 to 2025-06-26	0	NA	NA	NA	NA
WBW-1	Beryllium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	0	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-1	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	25	0	0	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-14	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.208	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0	NA	NA	NA	NA
WAP-15	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.208	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-08	0	NA	NA	NA	NA
WAP-16	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.208	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0	NA	NA	NA	NA
WAP-4	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	26	0	0.531	NA	NA	NA	NA	8	0	2020-02-06 to 2025-06-26	0	NA	NA	NA	NA
WBW-1	Cadmium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	23	0	0	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-1	Chromium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	25	0	0	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-14	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	23	1	0.0495	NA	NA	NA	NA	8	0	2020-02-10 to 2025-07-09	0	NA	NA	NA	NA
WAP-15	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	23	1	0.0849	NA	NA	NA	NA	8	0	2020-02-06 to 2025-07-08	0	NA	NA	NA	NA
WAP-16	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	23	1	0.0506	NA	NA	NA	NA	8	0	2020-02-06 to 2025-07-09	0	NA	NA	NA	NA
WAP-4	Chromium	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	26	2	0.552	NA	NA	NA	NA	8	0	2020-02-06 to 2025-06-26	0	NA	NA	NA	NA
WBW-1	Chromium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	23	1	0.2	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA

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)
WAP-1	Cobalt	Increasing	Stable	24	11	0.773	0.548	0.000565	99.9	128	8	8	2020-02-03 to 2025-06-25	0.339	-0.214	0.536	46.4	-6
WAP-14	Cobalt	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	24	2	0.549	NA	NA	NA	NA	8	0	2020-02-10 to 2025-07-09	0	NA	NA	NA	NA
WAP-15	Cobalt	No Trend	Not Evaluated - Only one detected result.	25	7	1.72	-0.153	0.349	65.1	-34	8	1	2020-02-06 to 2025-07-08	0.864	NA	NA	NA	NA
WAP-16	Cobalt	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	24	4	0.339	NA	NA	NA	NA	8	0	2020-02-06 to 2025-07-09	0	NA	NA	NA	NA
WAP-4	Cobalt	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - Only one detected result.	24	2	0.394	NA	NA	NA	NA	8	1	2020-02-06 to 2025-06-26	0.471	NA	NA	NA	NA
WBW-1	Cobalt	Increasing	Decreasing	24	8	1.81	0.443	0.00684	99.3	92	8	7	2020-02-03 to 2025-06-25	1.24	-0.857	0.00443	99.6	-24
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-14	Fluoride	No Trend	No Trend	26	24	0.488	0.0804	0.581	41.9	26	8	7	2020-02-10 to 2025-07-09	0.476	0.5	0.108	89.2	14
WAP-15	Fluoride	Stable	Increasing	26	22	0.584	-0.11	0.452	54.8	-35	8	7	2020-02-06 to 2025-07-08	0.693	0.618	0.0461	95.4	17
WAP-16	Fluoride	Stable	Stable	25	20	0.416	-0.0172	0.925	7.5	-5	8	5	2020-02-06 to 2025-07-09	0.557	-0.0378	1	0	-1
WAP-4	Fluoride	Stable	Probably Decreasing	26	11	0.452	-0.19	0.226	77.4	-50	8	3	2020-02-06 to 2025-06-26	0.447	-0.596	0.0822	91.8	-13
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
WAP-1	Lead	Not Evaluated - Majority of data (>75%) non-detect.	Not Evaluated - No detected results.	25	4	1.06	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0.497	NA	NA	NA	NA
WAP-14	Lead	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	24	1	1.09	NA	NA	NA	NA	8	0	2020-02-10 to 2025-07-09	1.13	NA	NA	NA	NA
WAP-15	Lead	Not Evaluated - No detected results.	Not Evaluated - No detected results.	24	0	1.08	NA	NA	NA	NA	8	0	2020-02-06 to 2025-07-08	1.13	NA	NA	NA	NA
WAP-16	Lead	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	24	1	1.05	NA	NA	NA	NA	8	0	2020-02-06 to 2025-07-09	1.13	NA	NA	NA	NA
WAP-4	Lead	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	26	1	0.742	NA	NA	NA	NA	8	0	2020-02-06 to 2025-06-26	0.497	NA	NA	NA	NA
WBW-1	Lead	Not Evaluated - No detected results.	Not Evaluated - No detected results.	23	0	1.22	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	1.13	NA	NA	NA	NA
WAP-1	Lithium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	24	1	0.416	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0.314	NA	NA	NA	NA
WAP-14	Lithium	Not Evaluated - Majority of data (>75%) non-detect.	No Trend	25	5	2.75	NA	NA	NA	NA	8	3	2020-02-10 to 2025-07-09	2.19	-0.161	0.69	31	-4
WAP-15	Lithium	No Trend	No Trend	25	22	0.907	0.0873	0.559	44.1	26	8	8	2020-02-06 to 2025-07-08	0.521	0.5	0.108	89.2	14
WAP-16	Lithium	Not Evaluated - Majority of data (>75%) non-detect.	No Trend	25	5	2.37	NA	NA	NA	NA	8	5	2020-02-06 to 2025-07-09	0.425	0.182	0.618	38.2	5
WAP-4	Lithium	Decreasing	No Trend	25	16	0.618	-0.438	0.00318	99.7	-125	8	6	2020-02-06 to 2025-06-26	0.343	0.286	0.386	61.4	8
WBW-1	Lithium	Not Evaluated - Only one detected result.	Not Evaluated - Only one detected result.	24	1	0.345	NA	NA	NA	NA	8	1	2020-02-03 to 2025-06-25	0.706	NA	NA	NA	NA
WAP-1	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	0	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-14	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.733	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0.943	NA	NA	NA	NA
WAP-15	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-08	0	NA	NA	NA	NA
WAP-16	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0	NA	NA	NA	NA
WAP-4	Mercury	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2018-06-07 to 2025-06-26	0	NA	NA	NA	NA
WBW-1	Mercury	Not Evaluated - Only one detected result.	Not Evaluated - Only one detected result.	22	1	0.204	NA	NA	NA	NA	8	1	2020-02-03 to 2025-06-25	0.314	NA	NA	NA	NA
WAP-1	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	24	0	0.272	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0.314	NA	NA	NA	NA
WAP-14	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	3.15	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0.37	NA	NA	NA	NA
WAP-15	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	2.96	NA	NA	NA	NA	8	0	2018-09-17 to 2025-07-08	0.37	NA	NA	NA	NA
WAP-16	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	2.38	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0.37	NA	NA	NA	NA
WAP-4	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.751	NA	NA	NA	NA	8	0	2018-06-07 to 2025-06-26	0.314	NA	NA	NA	NA
WBW-1	Molybdenum	Not Evaluated - No detected results.	Not Evaluated - No detected results.	24	0	0.836	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0.37	NA	NA	NA	NA
WAP-1	Radium-226 & 228	Stable	No Trend	24	19	0.55	-0.159	0.295	70.5	-43	8	8	2020-02-03 to 2025-06-25	0.492	0.0364	1	0	1
WAP-14	Radium-226 & 228	Probably Decreasing	No Trend	25	23	0.472	-0.281	0.0524	94.8	-84	8	8	2020-02-10 to 2025-07-09	0.132	0.0364	1	0	1

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)
WAP-15	Radium-226 & 228	Stable	No Trend	25	25	0.332	-0.184	0.207	79.3	-55	8	8	2020-02-06 to 2025-07-08	0.292	0.143	0.711	28.9	4
WAP-16	Radium-226 & 228	Decreasing	Stable	25	24	0.452	-0.353	0.0142	98.6	-106	8	8	2020-02-06 to 2025-07-09	0.231	-0.5	0.108	89.2	-14
WAP-4	Radium-226 & 228	Decreasing	Stable	25	22	0.627	-0.295	0.0419	95.8	-88	8	8	2020-02-06 to 2025-06-26	0.794	-0.143	0.711	28.9	-4
WBW-1	Radium-226 & 228	Stable	Stable	24	17	0.547	-0.0448	0.783	21.7	-12	8	8	2020-02-03 to 2025-06-25	0.398	-0.357	0.266	73.4	-10
WAP-1	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	25	0	0.366	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0.524	NA	NA	NA	NA
WAP-14	Selenium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	21	1	0.45	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0.572	NA	NA	NA	NA
WAP-15	Selenium	Not Evaluated - Only one detected result.	Not Evaluated - No detected results.	21	1	0.471	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-08	0.572	NA	NA	NA	NA
WAP-16	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0.443	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0.572	NA	NA	NA	NA
WAP-4	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	26	0	0.403	NA	NA	NA	NA	8	0	2020-02-06 to 2025-06-26	0.524	NA	NA	NA	NA
WBW-1	Selenium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	23	0	0.403	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0.572	NA	NA	NA	NA
WAP-1	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	0.2	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA
WAP-14	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0	NA	NA	NA	NA
WAP-15	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-08	0	NA	NA	NA	NA
WAP-16	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2018-06-07 to 2025-07-09	0	NA	NA	NA	NA
WAP-4	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	21	0	0	NA	NA	NA	NA	8	0	2018-06-07 to 2025-06-26	0	NA	NA	NA	NA
WBW-1	Thallium	Not Evaluated - No detected results.	Not Evaluated - No detected results.	22	0	0	NA	NA	NA	NA	8	0	2020-02-03 to 2025-06-25	0	NA	NA	NA	NA

Note:

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Table A-5. Upper Tolerance Limits (UTLs) & Groundwater Protection Standard (GWPS) Determination

		Interwell Background Data Characterization [a]												Groundwater Protection Standard (GWPS) Determination					UTL Calculation Details		
Constituent	Units	n	n, non-detects	max reporting limit	max detected value	mean	median	min sample date	max sample date	standard deviation	coefficient of variation	Mann Kendall trend	data distribution (Shapiro-Francia) [b]	normalizing data transformation (if any)	UTL	UTL Result Detection Status [c]	MCL/RSL	GWPS	GWPS Source	UTL calculation method	UTL calculation details	Minimum Coverage (%)
Antimony	mg/L	44	43	0.025	0.0053	0.00585	0.005	2015-11-10	2025-06-25	0.00425	0.727	No Trend	Not normal (Interwell Background)	NA - Original Data	0.025	No	0.006	0.025	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Arsenic	mg/L	50	43	0.005	0.0096	0.00498	0.005	2015-11-10	2025-06-25	0.00129	0.26	Increasing	Not normal (Interwell Background)	NA - Original Data	0.0096	Yes	0.01	See Table 6	See Table 6	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	94.2
Barium	mg/L	50	0	NA	0.094	0.0306	0.0222	2015-11-10	2025-06-25	0.0234	0.766	Increasing	Not normal (Interwell Background)	NA - Original Data	0.094	Yes	2	2	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	94.2
Beryllium	mg/L	44	44	0.0005	NA	0.0005	0.0005	2015-11-10	2025-06-25	0	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.0005	No	0.004	0.004	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Cadmium	mg/L	48	48	0.0005	NA	0.0005	0.0005	2015-11-10	2025-06-25	0	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.0005	No	0.005	0.005	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.9
Chromium	mg/L	48	47	0.005	0.005	0.005	0.005	2015-11-10	2025-06-25	0	NA	Only one unique result.	Not normal (Interwell Background)	NA - Original Data	0.005	No	0.1	0.1	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.9
Cobalt	mg/L	48	29	0.0005	0.00838	0.000933	0.0005	2015-11-10	2025-06-25	0.00123	1.32	Increasing	Not normal (Interwell Background)	NA - Original Data	0.00838	Yes	0.006	0.00838	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.9
Fluoride	mg/L	50	47	0.1	0.14	0.101	0.1	2015-11-10	2025-06-25	0.007	0.069	Stable	Not normal (Interwell Background)	NA - Original Data	0.14	Yes	4	4	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	94.2
Lead	mg/L	48	44	0.01	0.00456	0.00198	0.001	2015-11-10	2025-06-25	0.00223	1.13	No Trend	Not normal (Interwell Background)	NA - Original Data	0.01	No	0.015	0.015	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.9
Lithium	mg/L	48	46	0.01	0.0116	0.00868	0.01	2015-11-10	2025-06-25	0.00228	0.262	Decreasing	Not normal (Interwell Background)	NA - Original Data	0.0116	Yes	0.04	See Table 6	See Table 6	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.9
Mercury	mg/L	44	43	0.0002	0.0002	0.0002	0.0002	2015-11-10	2025-06-25	0	NA	Only one unique result.	Not normal (Interwell Background)	NA - Original Data	0.0002	No	0.002	0.002	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4
Molybdenum	mg/L	48	48	0.05	NA	0.00948	0.01	2015-11-10	2025-06-25	0.00638	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.05	No	0.1	0.1	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.9
Radium-226 & 228	pCi/L	48	12	4	5.97	3.05	4	2015-11-10	2025-06-25	1.49	0.488	Decreasing	Not normal (Interwell Background)	NA - Original Data	5.97	Yes	5	5.97	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.9
Selenium	mg/L	48	48	0.02	NA	0.0109	0.01	2015-11-10	2025-06-25	0.00418	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.02	No	0.05	0.05	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.9
Thallium	mg/L	44	44	0.001	NA	0.00098	0.001	2015-11-10	2025-06-25	0.000136	NA	All non-detect results.	Not normal (Interwell Background)	NA - Original Data	0.001	No	0.002	0.002	NA	Non-Parametric Tolerance Limits (USEPA, 2009 - Chapter 17.2.2)	Maximum Value (Non-detects substituted by the reporting limit)	93.4

Note:

[a] Interwell background datasets are analyte specific and include data collected from background wells. Interwell background datasets were re-tested for outliers, secular trends, and data normality. No outliers were removed.

[b] Parametric tolerance limit calculations were performed on normally distributed background data. If background data were not normally distributed, non-parametric tolerance limit calculations were performed.

[c] In some cases, the maximum value selected as the UTL is a non-detect result with an elevated reporting limit.

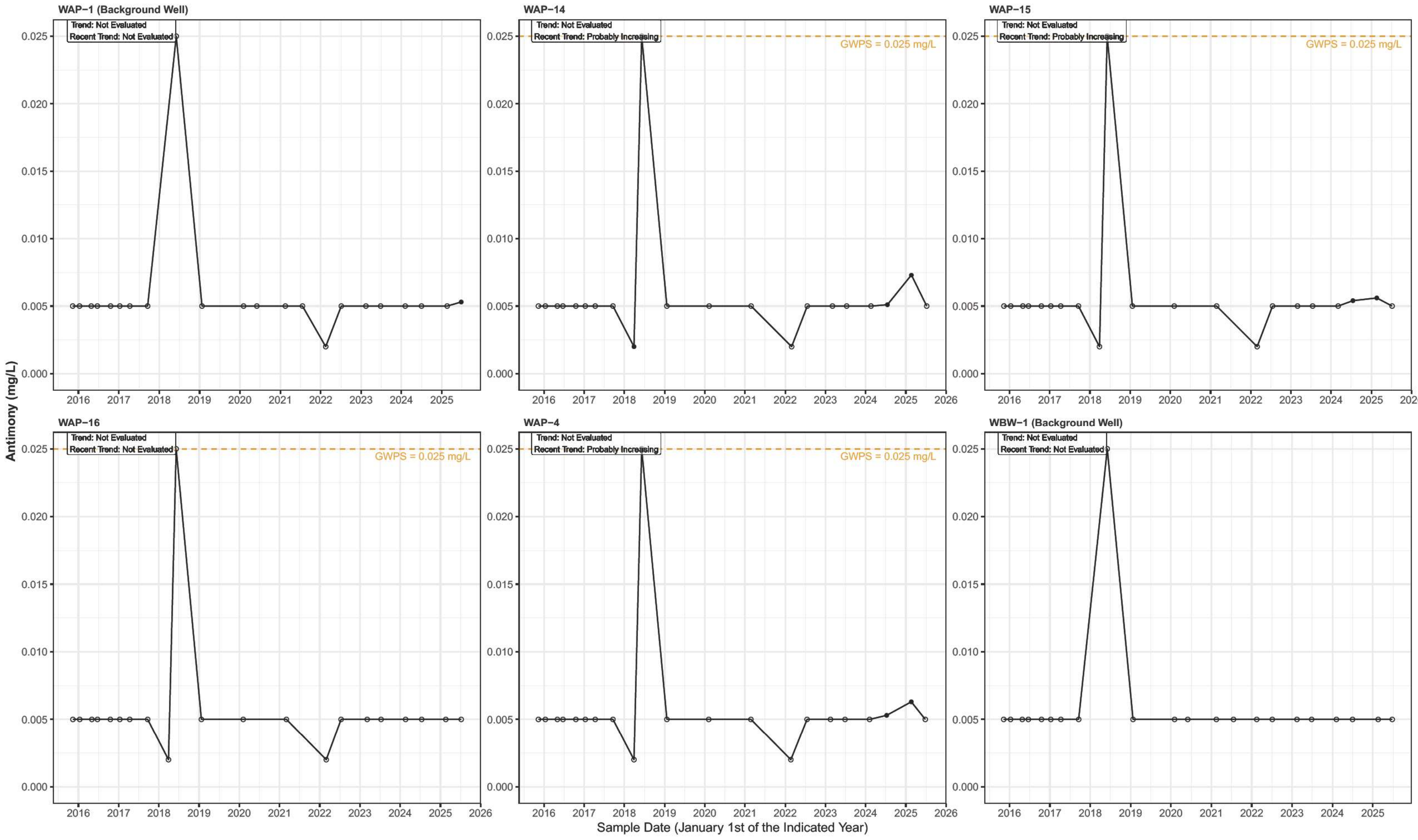
Units = mg/L, milligrams per liter. pCi/L = picocuries per liter.

Table A-6. Groundwater Protection Standard (GWPS) Comparison Table

Location	Constituent	Units	Sample Date	Sample Result	Intrawell Upper Prediction Limit (UPL)	Interwell UTL	GWPS	GWPS Exceedance	LCL	SSL Confirmed
WAP-14	Antimony	mg/L	2025-07-09	< 0.005	NA	0.025	0.025	No	NA	No
WAP-15	Antimony	mg/L	2025-07-08	< 0.005	NA	0.025	0.025	No	NA	No
WAP-16	Antimony	mg/L	2025-07-09	< 0.005	NA	0.025	0.025	No	NA	No
WAP-4	Antimony	mg/L	2025-06-26	< 0.005	NA	0.025	0.025	No	NA	No
WAP-14	Arsenic	mg/L	2025-07-09	0.0187	0.0567	0.0096	0.0567	No	NA	No
WAP-15	Arsenic	mg/L	2025-07-08	< 0.005	0.0084	0.0096	0.01	No	NA	No
WAP-16	Arsenic	mg/L	2025-07-09	< 0.005	0.005	0.0096	0.01	No	NA	No
WAP-4	Arsenic	mg/L	2025-06-26	< 0.005	0.005	0.0096	0.01	No	NA	No
WAP-14	Barium	mg/L	2025-07-09	0.0411	NA	0.094	2	No	NA	No
WAP-15	Barium	mg/L	2025-07-08	0.259	NA	0.094	2	No	NA	No
WAP-16	Barium	mg/L	2025-07-09	0.0927	NA	0.094	2	No	NA	No
WAP-4	Barium	mg/L	2025-06-26	0.0292	NA	0.094	2	No	NA	No
WAP-14	Beryllium	mg/L	2025-07-09	< 0.0005	NA	0.0005	0.004	No	NA	No
WAP-15	Beryllium	mg/L	2025-07-08	< 0.0005	NA	0.0005	0.004	No	NA	No
WAP-16	Beryllium	mg/L	2025-07-09	< 0.0005	NA	0.0005	0.004	No	NA	No
WAP-4	Beryllium	mg/L	2025-06-26	< 0.0005	NA	0.0005	0.004	No	NA	No
WAP-14	Cadmium	mg/L	2025-07-09	< 0.0005	NA	0.0005	0.005	No	NA	No
WAP-15	Cadmium	mg/L	2025-07-08	< 0.0005	NA	0.0005	0.005	No	NA	No
WAP-16	Cadmium	mg/L	2025-07-09	< 0.0005	NA	0.0005	0.005	No	NA	No
WAP-4	Cadmium	mg/L	2025-06-26	< 0.0005	NA	0.0005	0.005	No	NA	No
WAP-14	Chromium	mg/L	2025-07-09	< 0.005	NA	0.005	0.1	No	NA	No
WAP-15	Chromium	mg/L	2025-07-08	< 0.005	NA	0.005	0.1	No	NA	No
WAP-16	Chromium	mg/L	2025-07-09	< 0.005	NA	0.005	0.1	No	NA	No
WAP-4	Chromium	mg/L	2025-06-26	< 0.005	NA	0.005	0.1	No	NA	No
WAP-14	Cobalt	mg/L	2025-07-09	< 0.0005	NA	0.00838	0.00838	No	NA	No
WAP-15	Cobalt	mg/L	2025-07-08	< 0.0005	NA	0.00838	0.00838	No	NA	No
WAP-16	Cobalt	mg/L	2025-07-09	< 0.0005	NA	0.00838	0.00838	No	NA	No
WAP-4	Cobalt	mg/L	2025-06-26	0.00065	NA	0.00838	0.00838	No	NA	No
WAP-14	Fluoride	mg/L	2025-07-09	0.97	NA	0.14	4	No	NA	No
WAP-15	Fluoride	mg/L	2025-07-08	0.34	NA	0.14	4	No	NA	No
WAP-16	Fluoride	mg/L	2025-07-09	0.19	NA	0.14	4	No	NA	No
WAP-4	Fluoride	mg/L	2025-06-26	< 0.1	NA	0.14	4	No	NA	No
WAP-14	Lead	mg/L	2025-07-09	< 0.001	NA	0.01	0.015	No	NA	No
WAP-15	Lead	mg/L	2025-07-08	< 0.001	NA	0.01	0.015	No	NA	No
WAP-16	Lead	mg/L	2025-07-09	< 0.001	NA	0.01	0.015	No	NA	No
WAP-4	Lead	mg/L	2025-06-26	< 0.001	NA	0.01	0.015	No	NA	No
WAP-14	Lithium	mg/L	2025-07-09	< 0.005	0.27	0.0116	0.27	No	NA	No
WAP-15	Lithium	mg/L	2025-07-08	0.0687	0.22	0.0116	0.22	No	NA	No
WAP-16	Lithium	mg/L	2025-07-09	0.00846	0.25	0.0116	0.25	No	NA	No
WAP-4	Lithium	mg/L	2025-06-26	0.0101	0.031	0.0116	0.04	No	NA	No
WAP-14	Mercury	mg/L	2025-07-09	< 0.0002	NA	0.0002	0.002	No	NA	No
WAP-15	Mercury	mg/L	2025-07-08	< 0.0002	NA	0.0002	0.002	No	NA	No
WAP-16	Mercury	mg/L	2025-07-09	< 0.0002	NA	0.0002	0.002	No	NA	No
WAP-4	Mercury	mg/L	2025-06-26	< 0.0002	NA	0.0002	0.002	No	NA	No
WAP-14	Molybdenum	mg/L	2025-07-09	< 0.005	NA	0.05	0.1	No	NA	No
WAP-15	Molybdenum	mg/L	2025-07-08	< 0.005	NA	0.05	0.1	No	NA	No
WAP-16	Molybdenum	mg/L	2025-07-09	< 0.005	NA	0.05	0.1	No	NA	No
WAP-4	Molybdenum	mg/L	2025-06-26	< 0.005	NA	0.05	0.1	No	NA	No
WAP-14	Radium-226 & 228	pCi/L	2025-07-09	2.41	NA	5.97	5.97	No	NA	No
WAP-15	Radium-226 & 228	pCi/L	2025-07-08	5.68	NA	5.97	5.97	No	NA	No
WAP-16	Radium-226 & 228	pCi/L	2025-07-09	3.93	NA	5.97	5.97	No	NA	No
WAP-4	Radium-226 & 228	pCi/L	2025-06-26	2.87	NA	5.97	5.97	No	NA	No
WAP-14	Selenium	mg/L	2025-07-09	< 0.01	NA	0.02	0.05	No	NA	No
WAP-15	Selenium	mg/L	2025-07-08	< 0.01	NA	0.02	0.05	No	NA	No
WAP-16	Selenium	mg/L	2025-07-09	< 0.01	NA	0.02	0.05	No	NA	No
WAP-4	Selenium	mg/L	2025-06-26	< 0.01	NA	0.02	0.05	No	NA	No
WAP-14	Thallium	mg/L	2025-07-09	< 0.001	NA	0.001	0.002	No	NA	No
WAP-15	Thallium	mg/L	2025-07-08	< 0.001	NA	0.001	0.002	No	NA	No
WAP-16	Thallium	mg/L	2025-07-09	< 0.001	NA	0.001	0.002	No	NA	No
WAP-4	Thallium	mg/L	2025-06-26	< 0.001	NA	0.001	0.002	No	NA	No

Groundwater Protection Standard (GWPS) is the maximum value between the Interwell Upper Threshold Limit (UTL), the Intrawell Upper Prediction Limit (UPL) for Arsenic and Lithium, and the Maximum Contaminant Level/Regional Screening Level (MCL/RSL). The 95% Lower Confidence Limit (LCL) is calculated if the event sample result exceeded the GWPS. If the LCL is greater than the GWPS, a Statistically Significant Level (SSL) is confirmed.

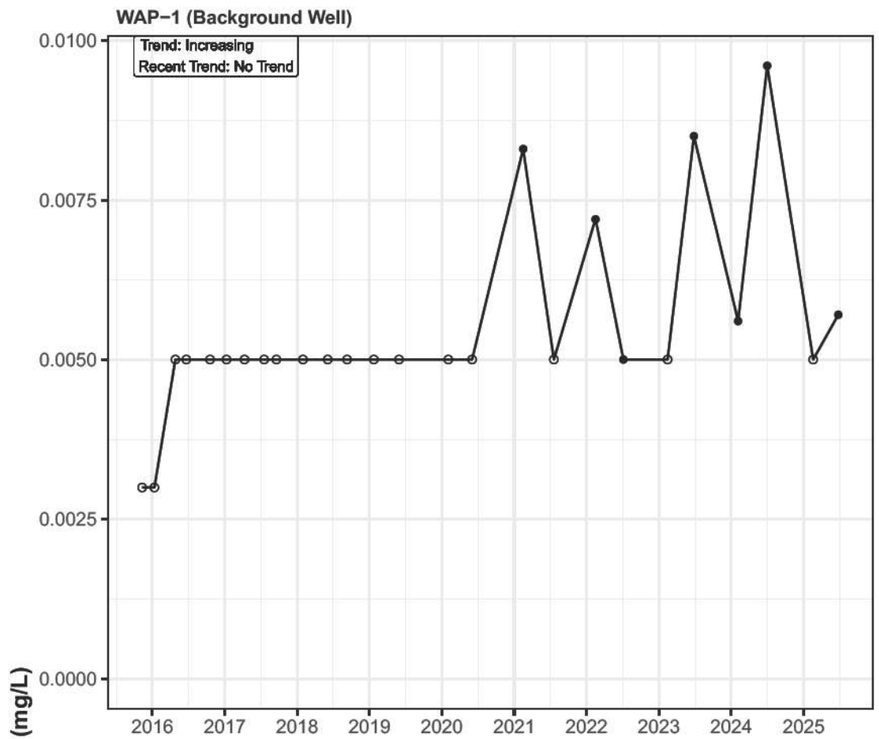
Trend Analysis for Antimony



Detection Status: ● Detect ○ Non−Detect

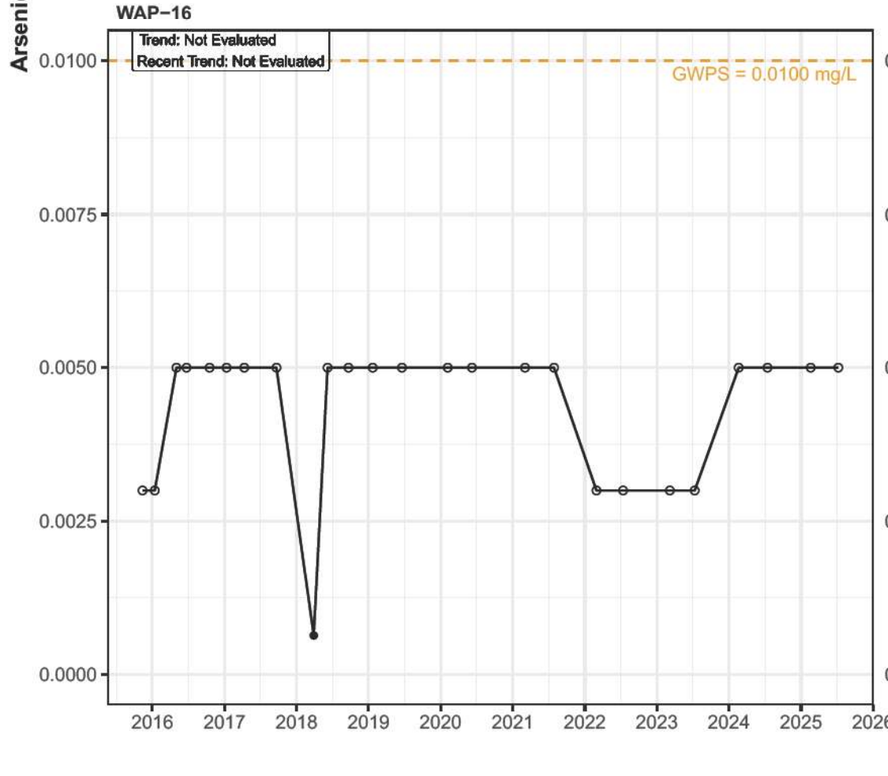
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

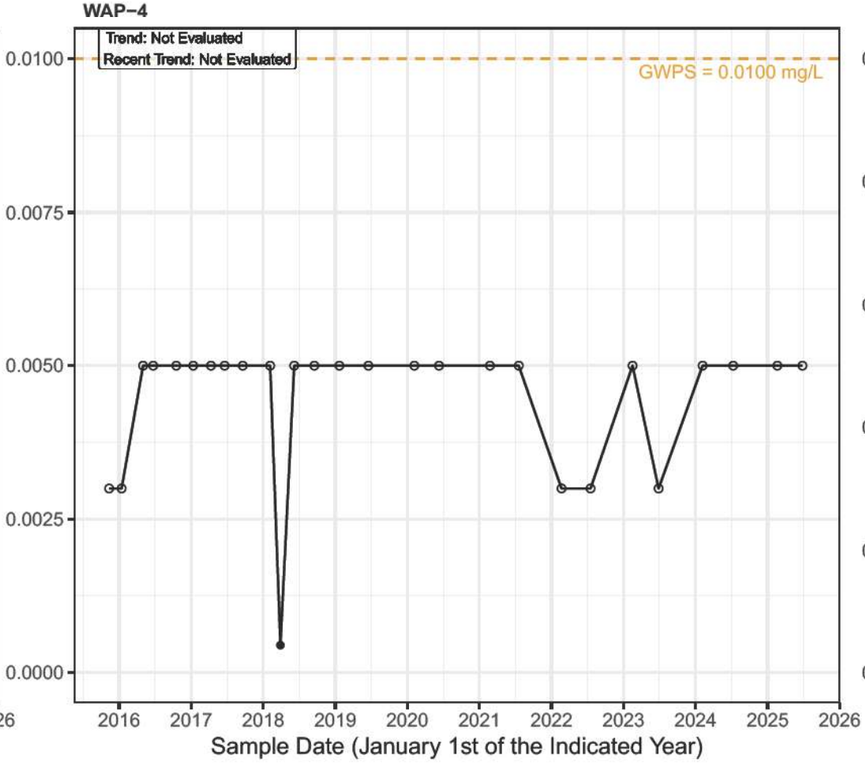
Trend Analysis for Arsenic

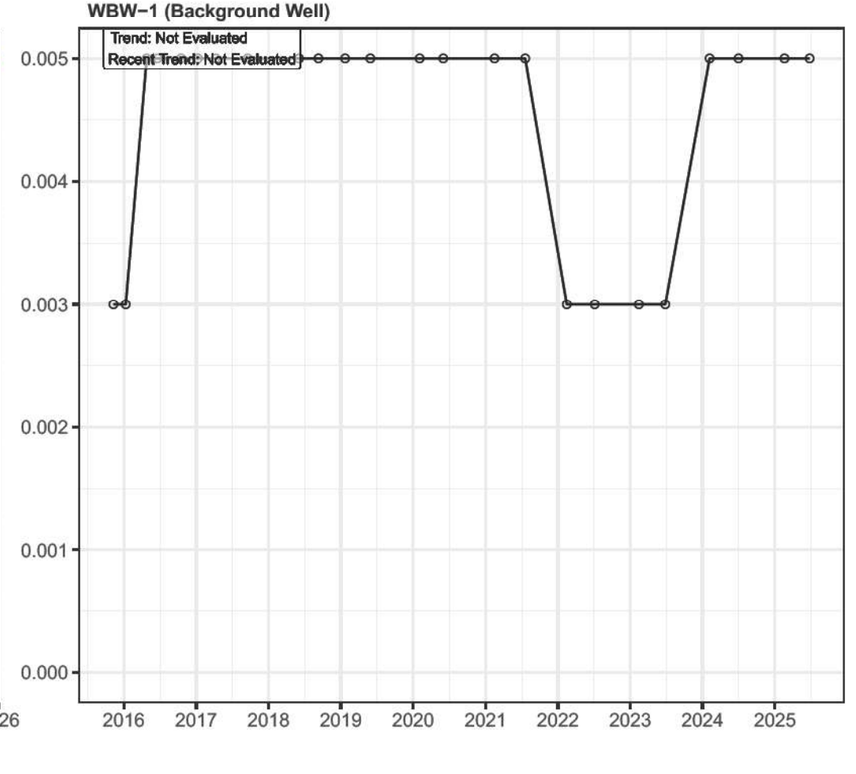










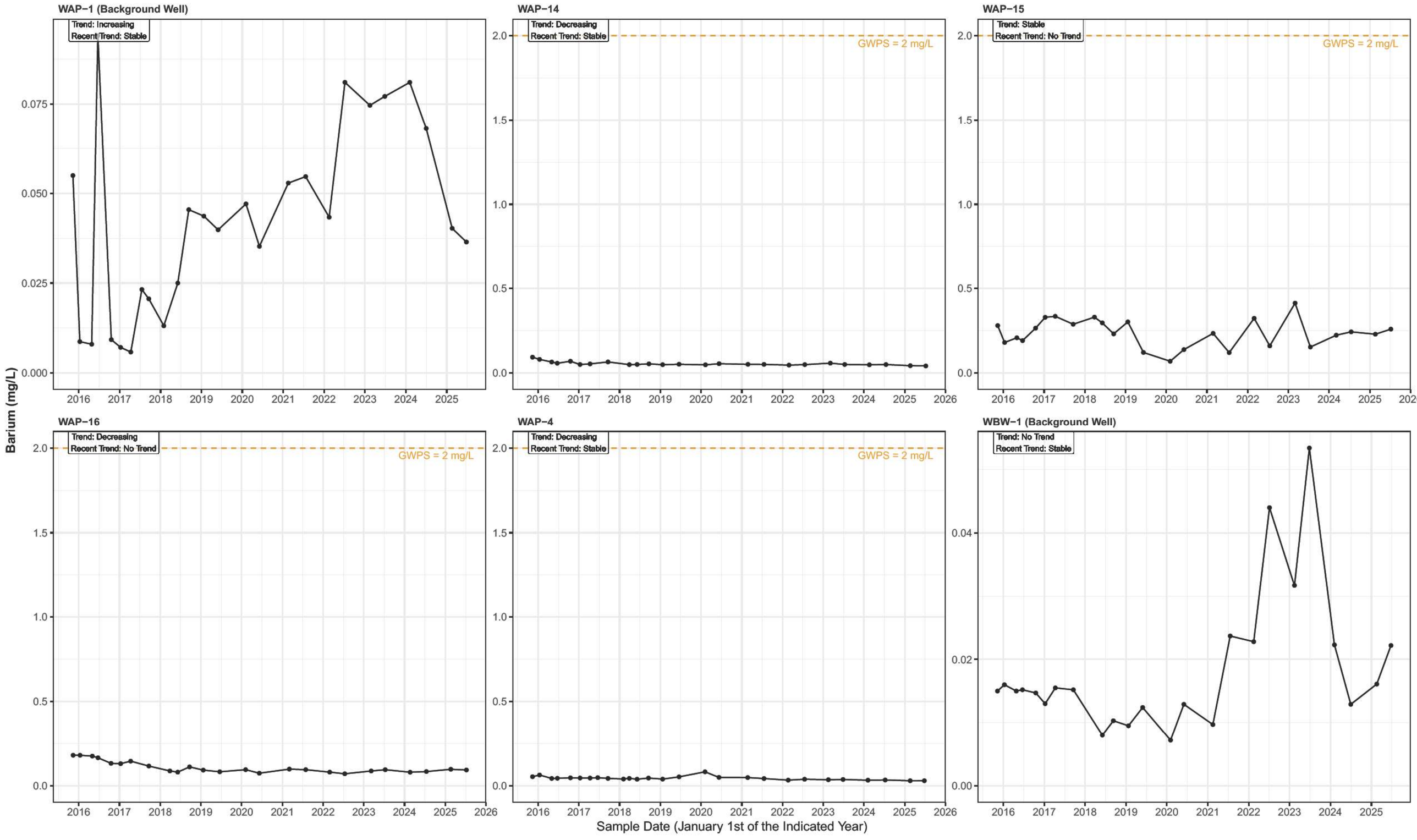


Sample Date (January 1st of the Indicated Year)

Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

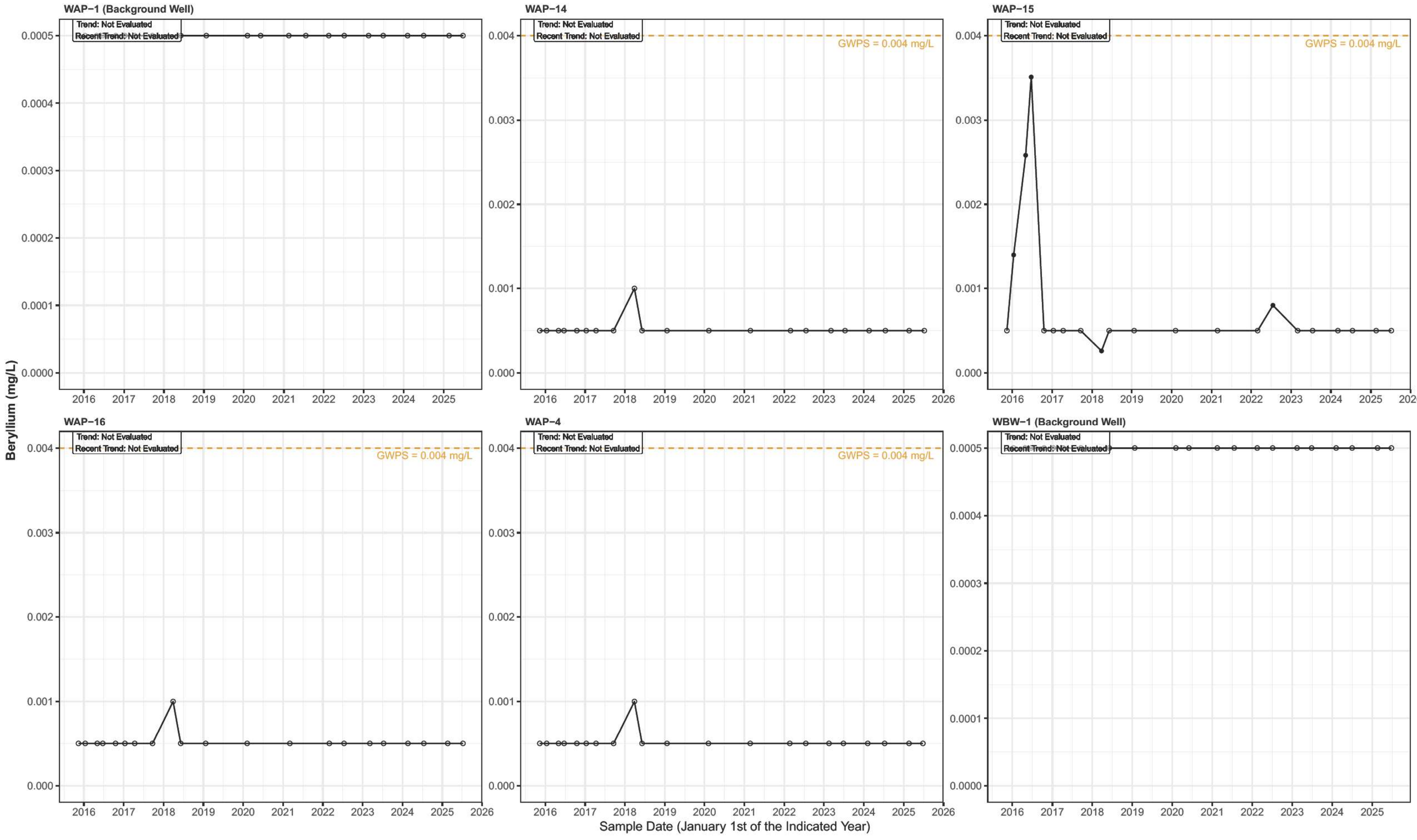
Trend Analysis for Barium



Detection Status: ● Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

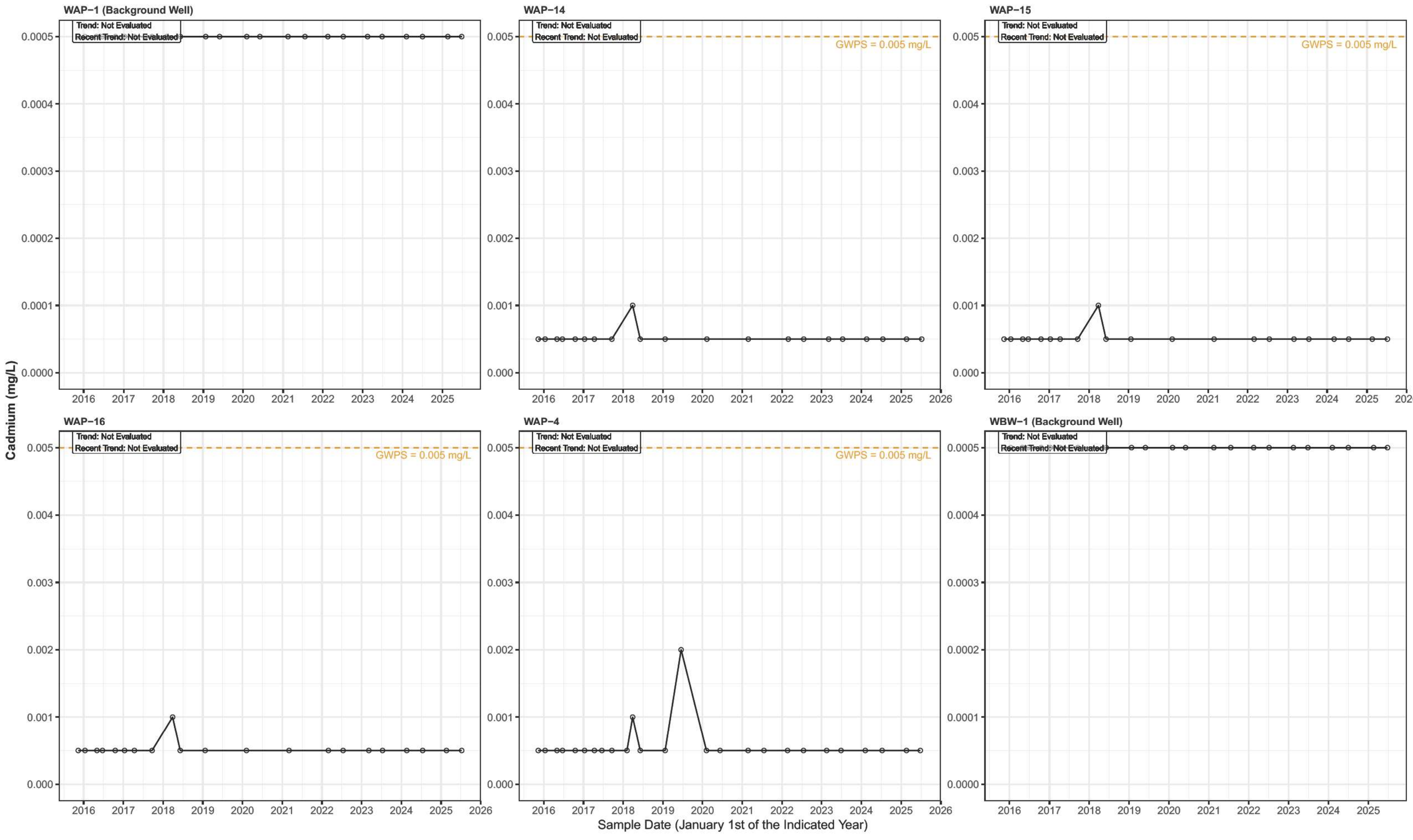
Trend Analysis for Beryllium



Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

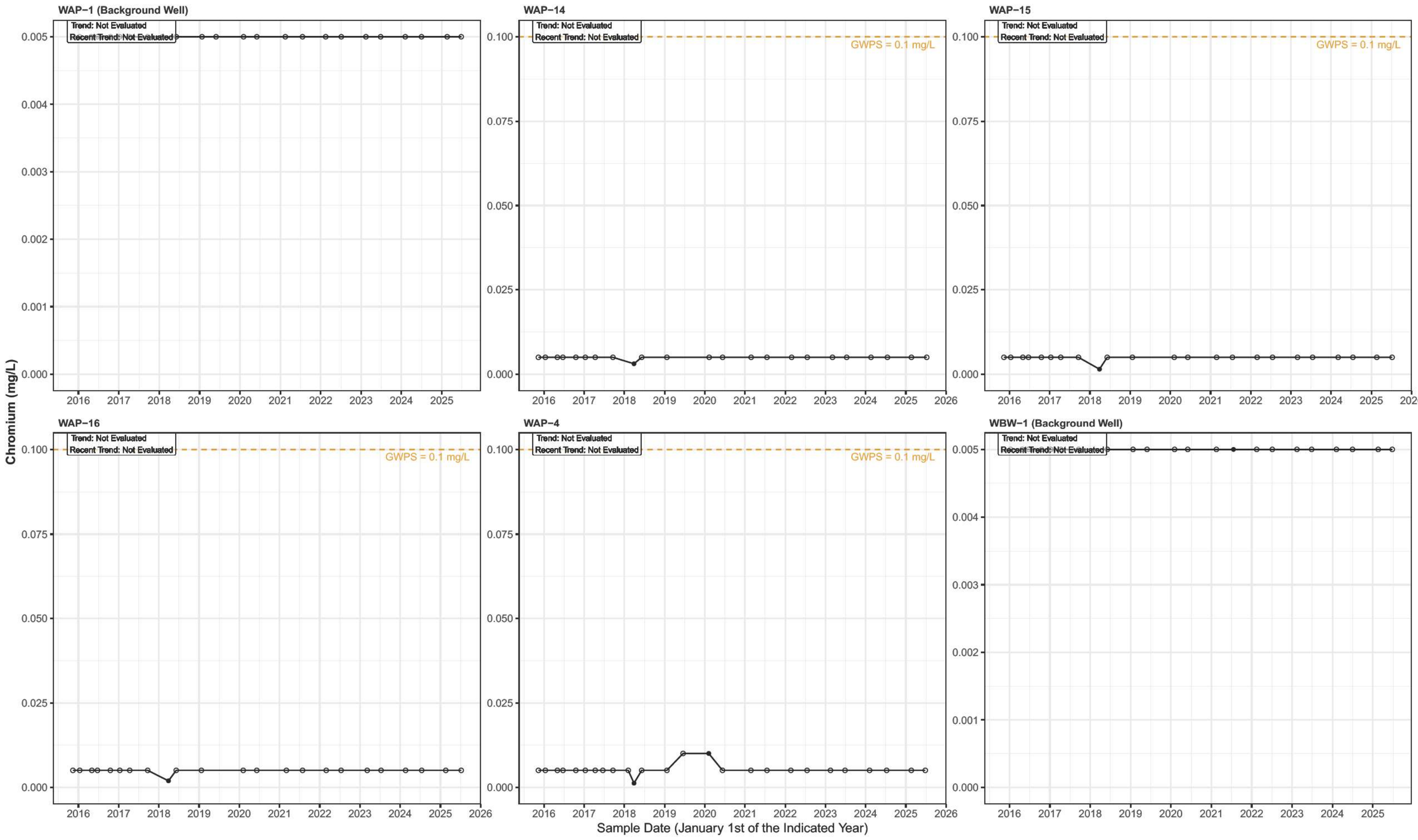
Trend Analysis for Cadmium



Detection Status: ○ Non−Detect

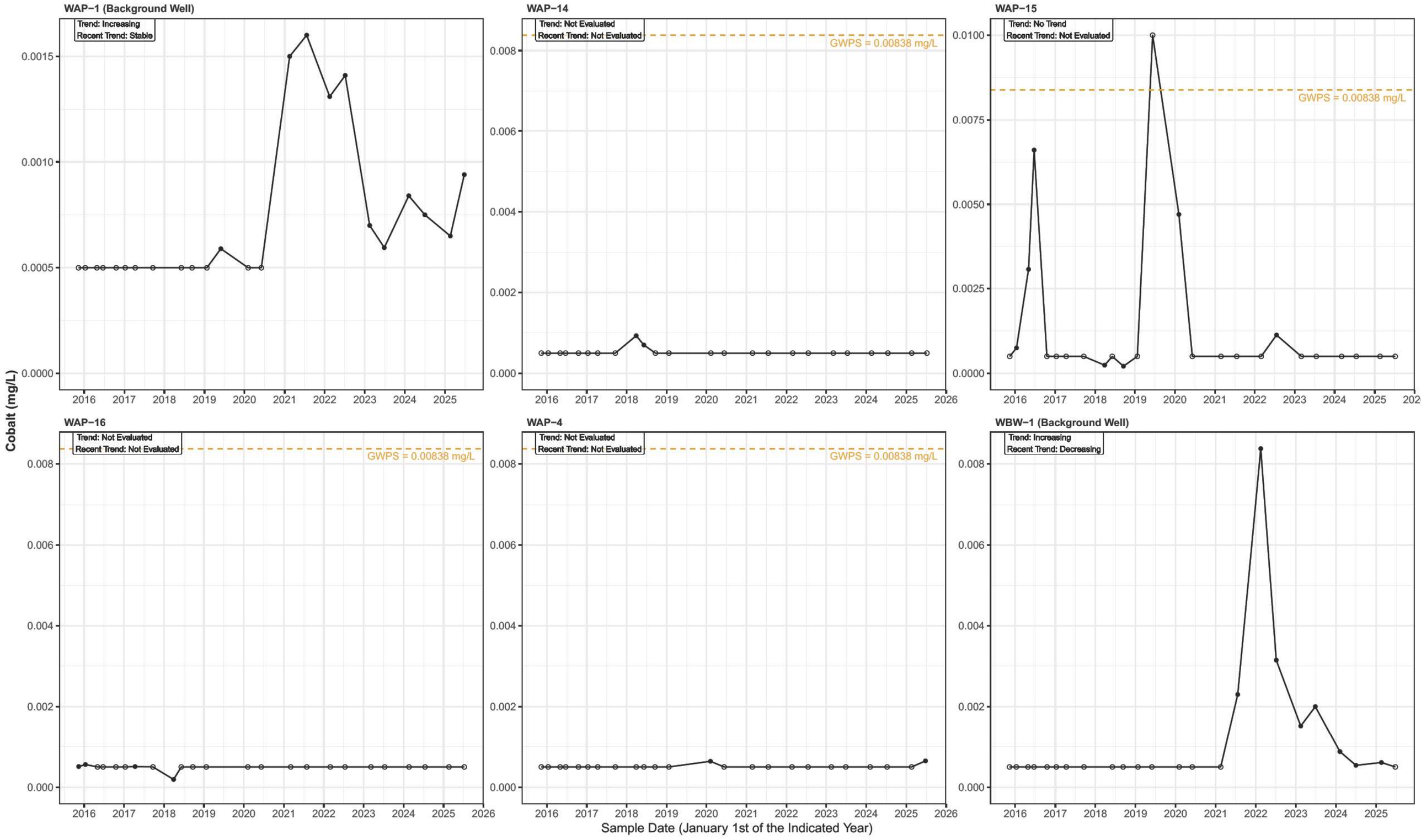
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for Chromium



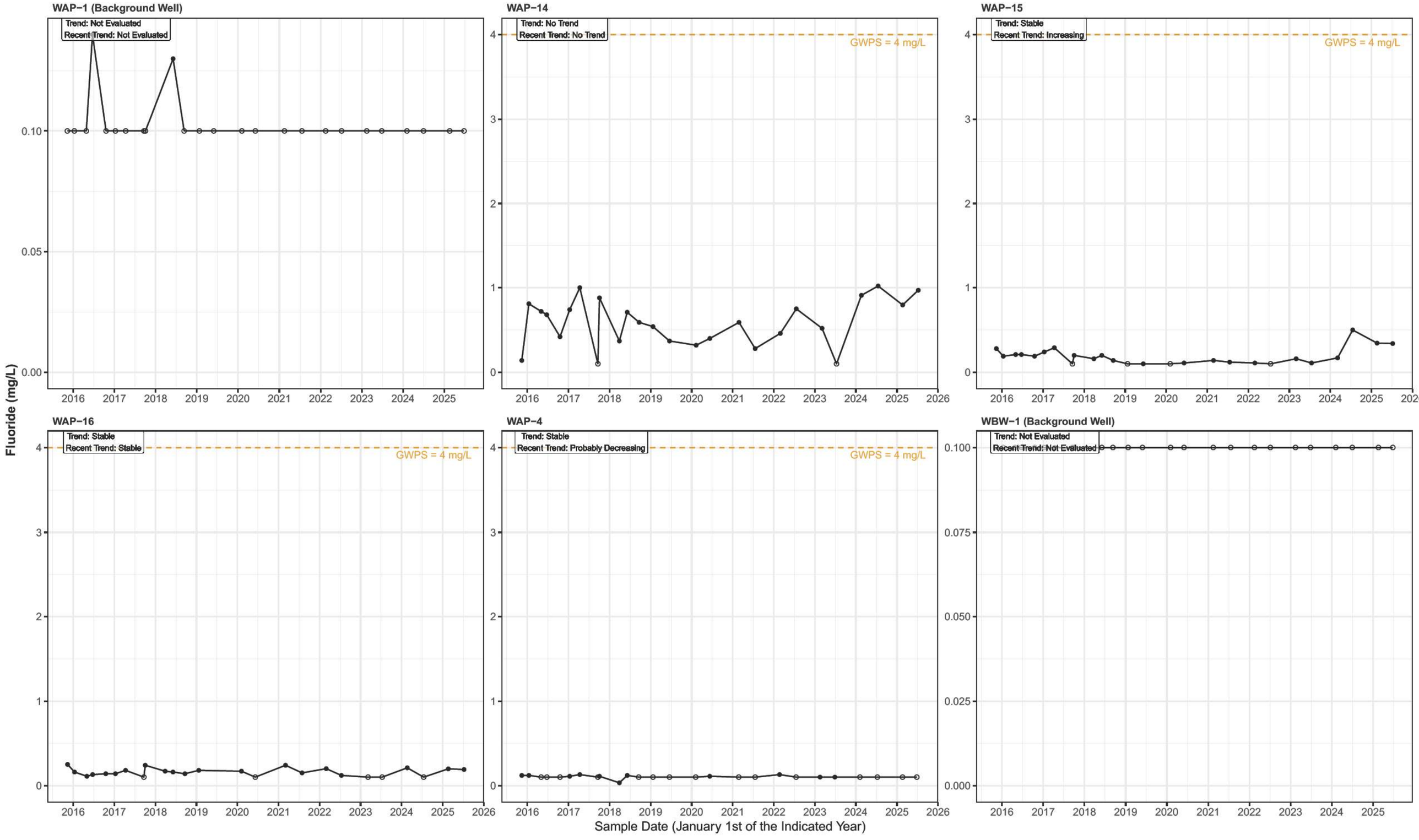
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for Cobalt



Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

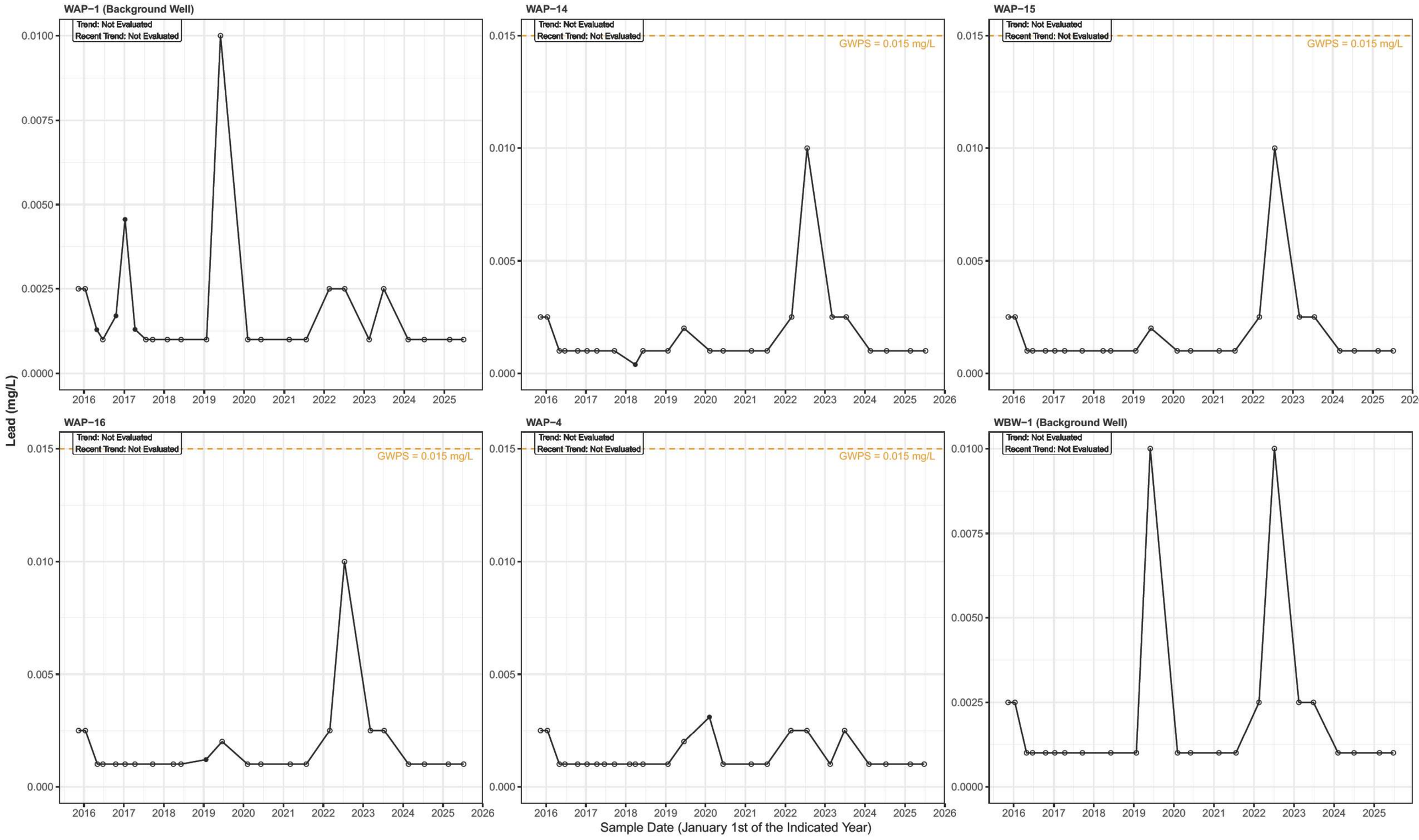
Trend Analysis for Fluoride



Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

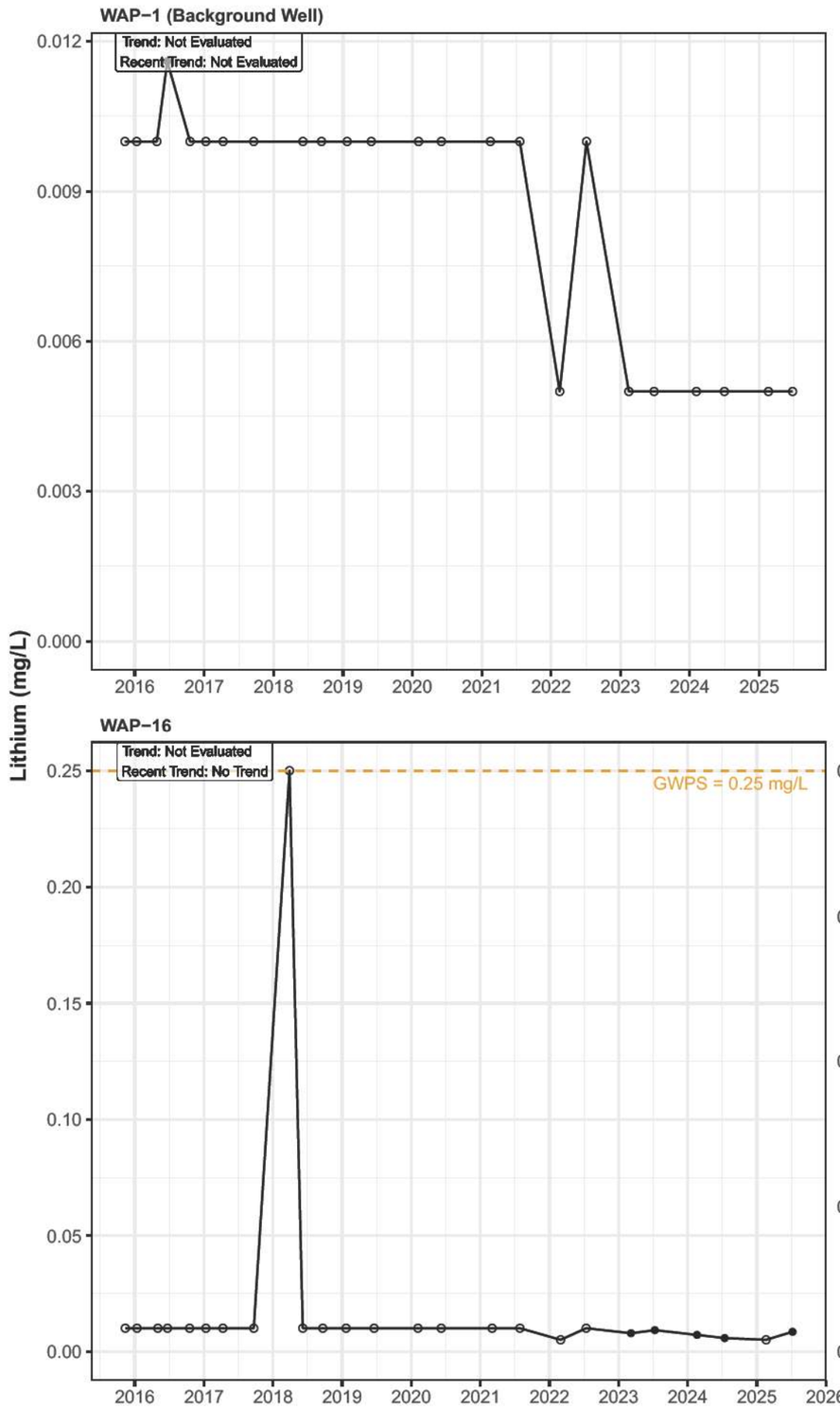
Trend Analysis for Lead

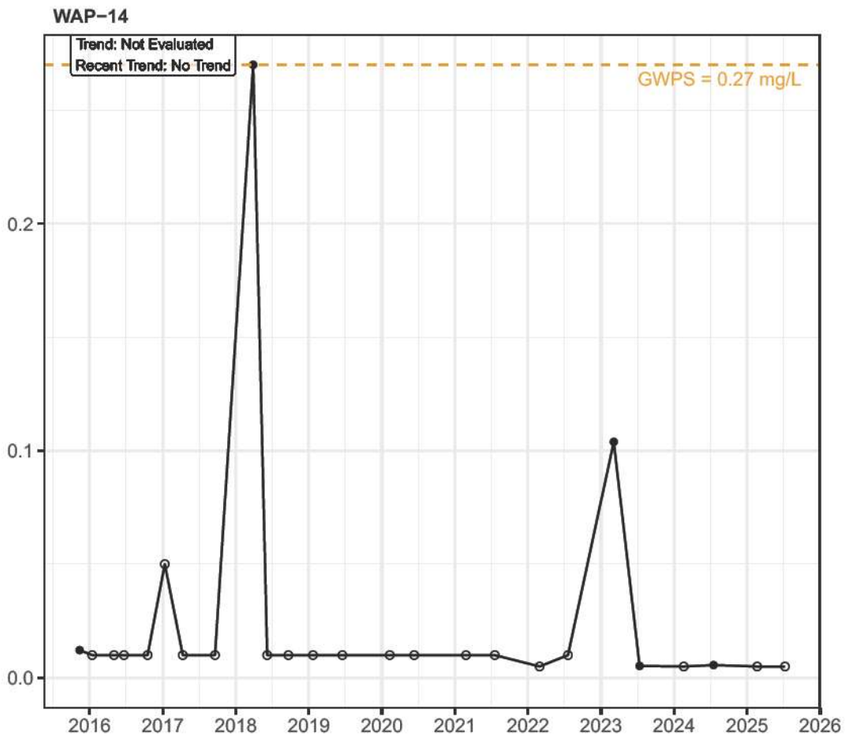


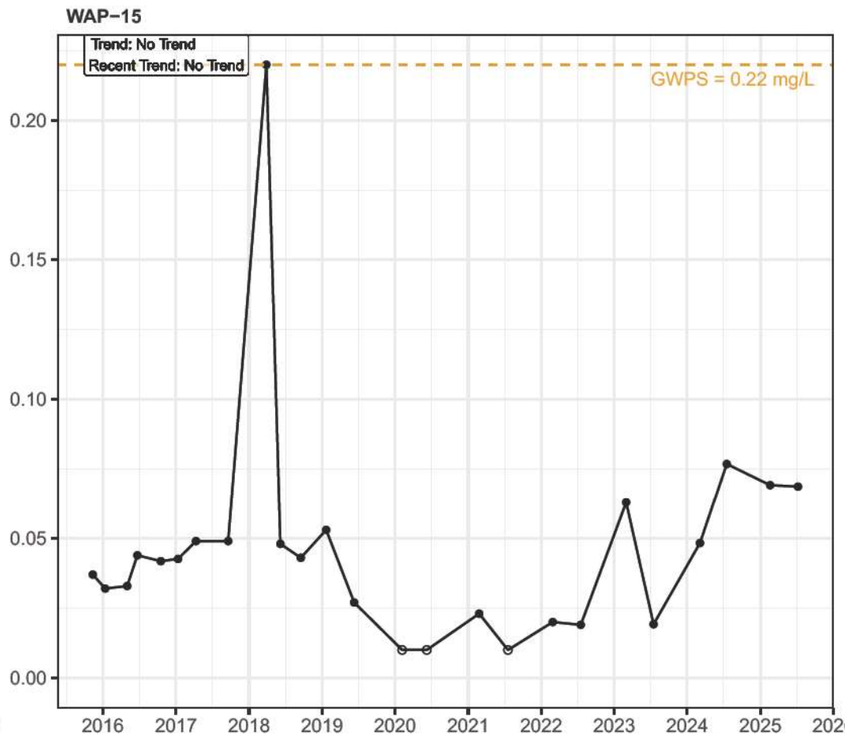
Detection Status: ● Detect ○ Non−Detect

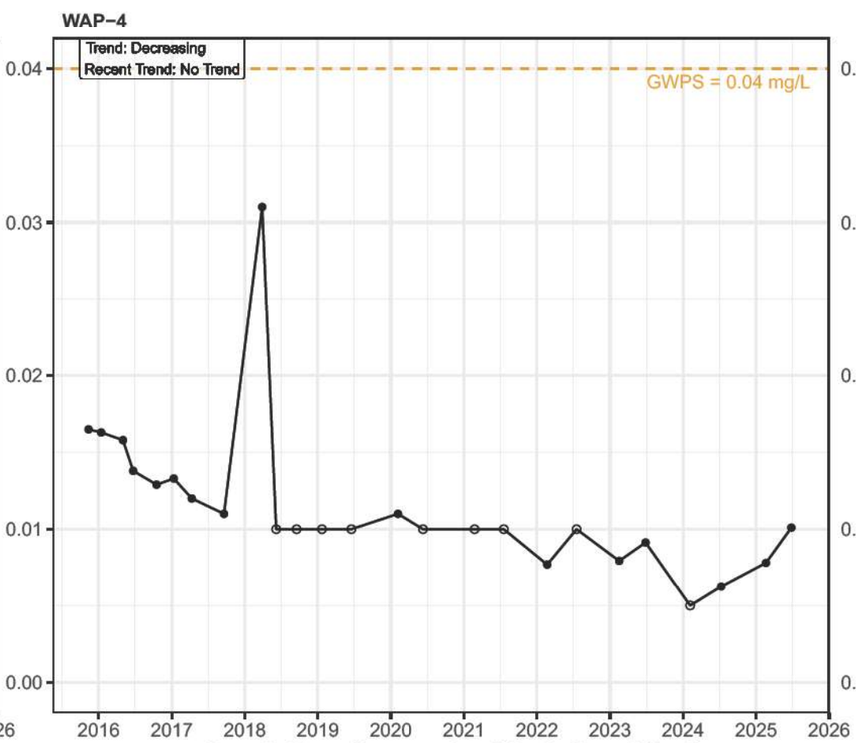
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

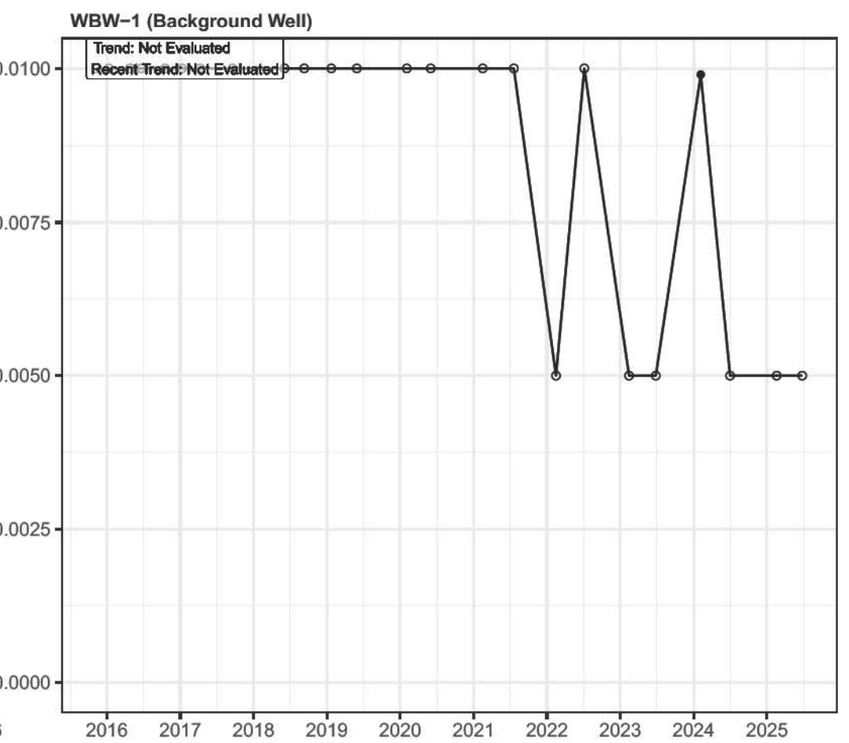
Trend Analysis for Lithium











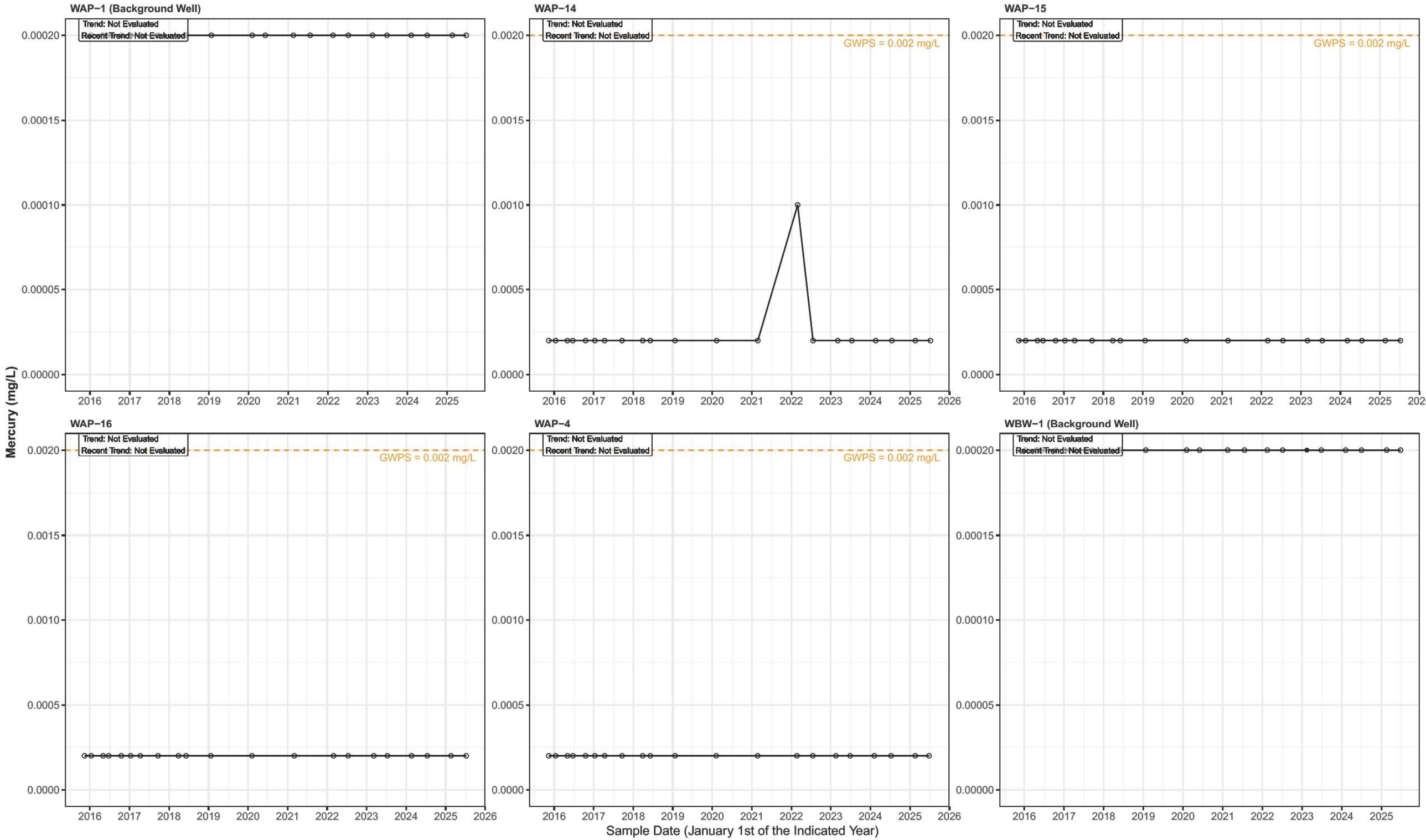
Lithium (mg/L)

Sample Date (January 1st of the Indicated Year)

Detection Status: ● Detect ○ Non−Detect

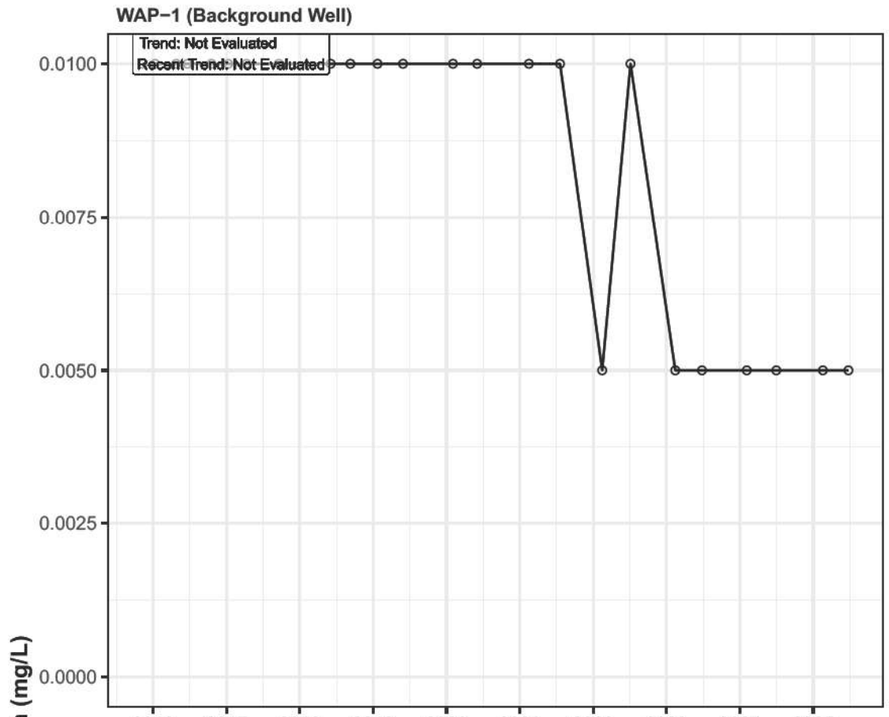
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

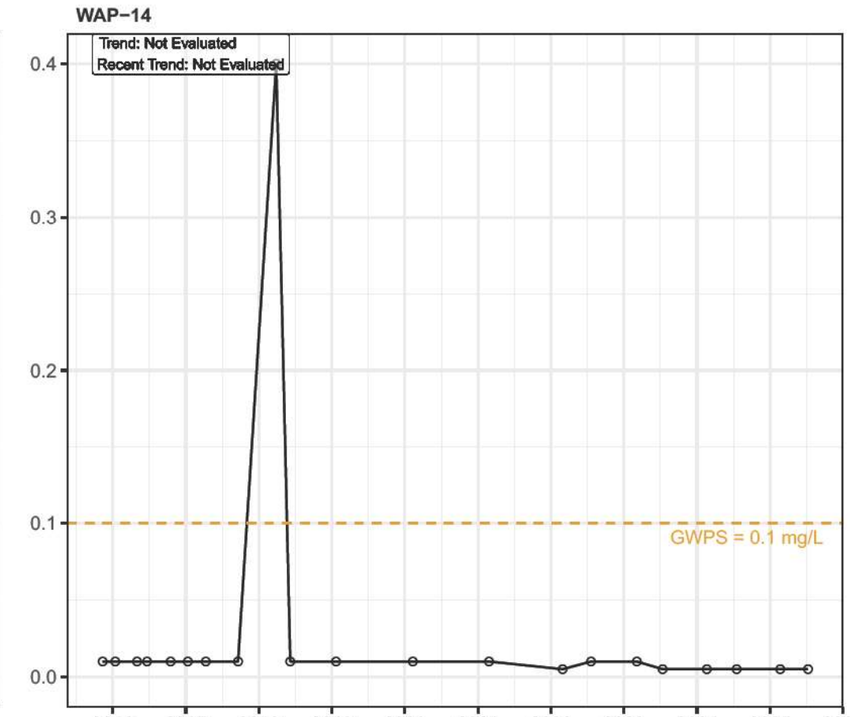
Trend Analysis for Mercury

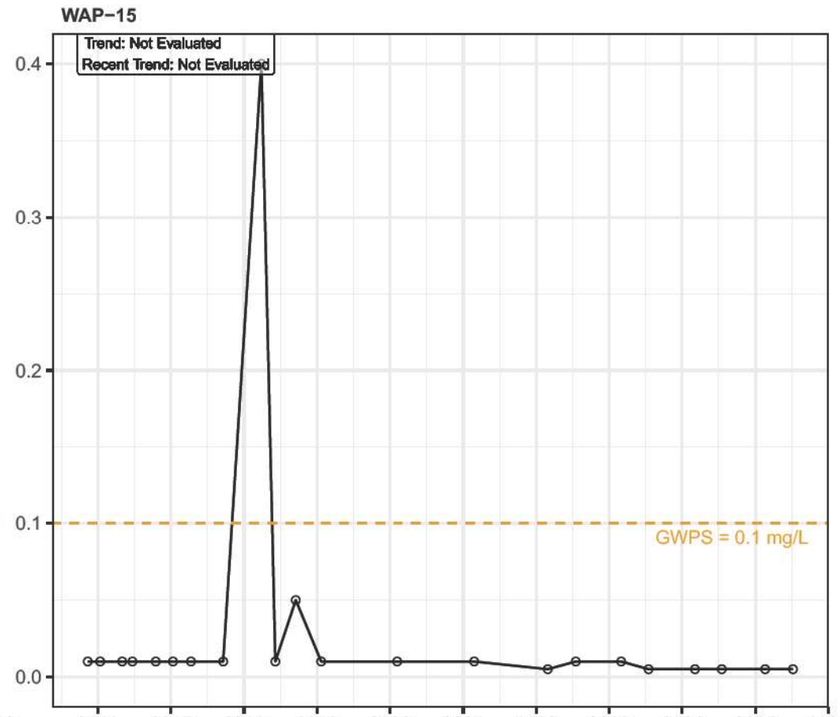


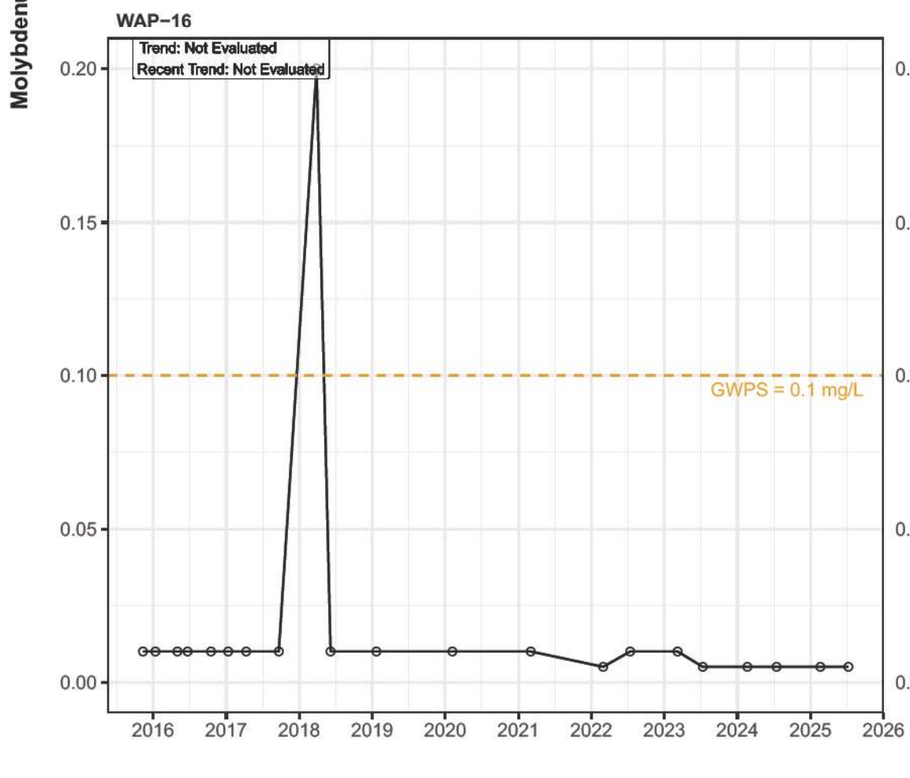
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

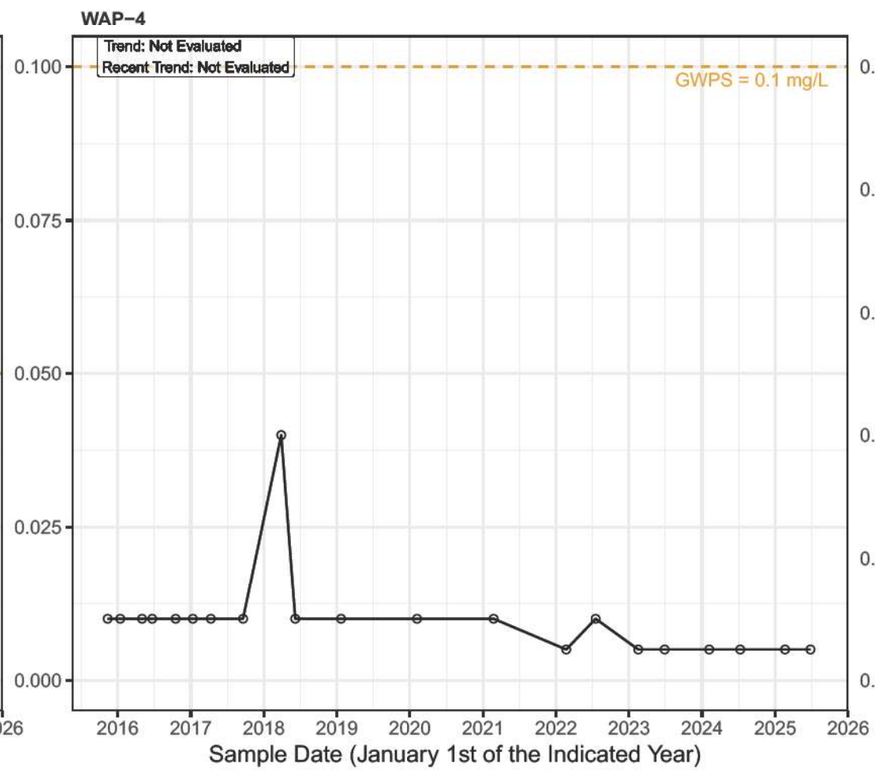
Trend Analysis for Molybdenum

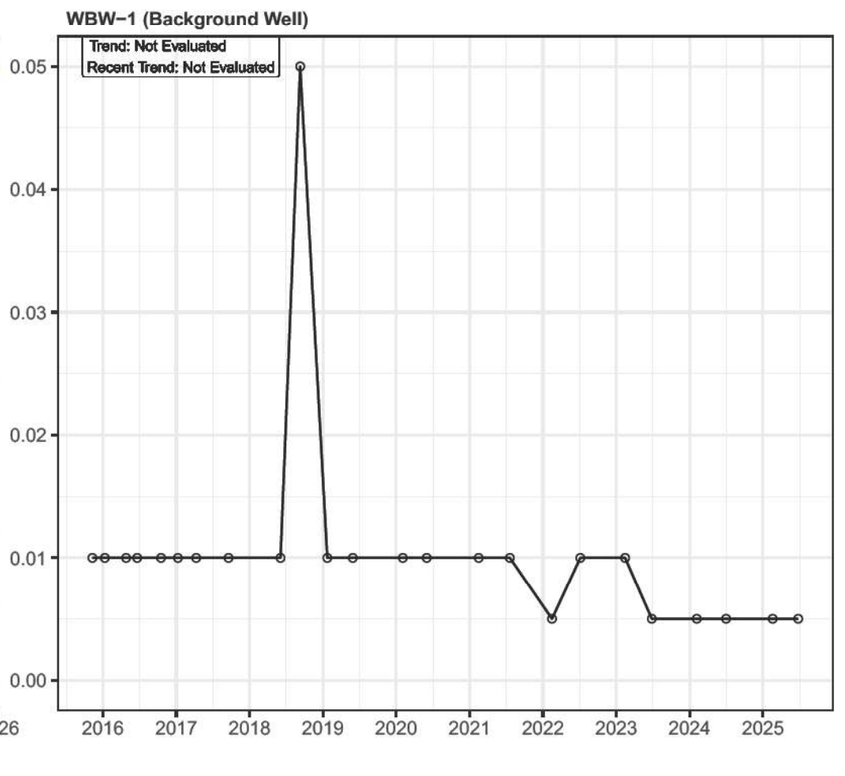










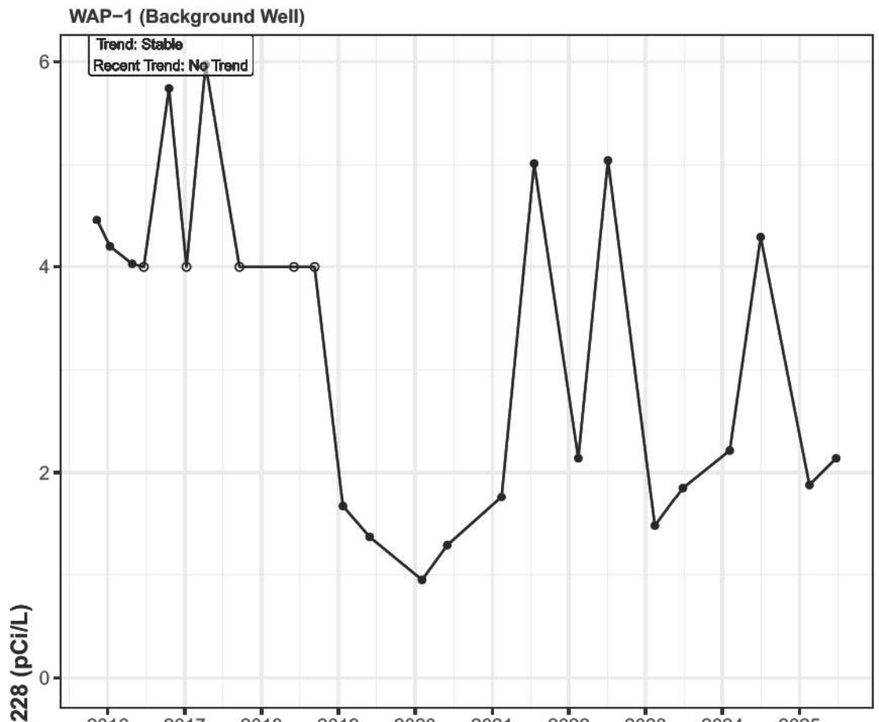


Sample Date (January 1st of the Indicated Year)

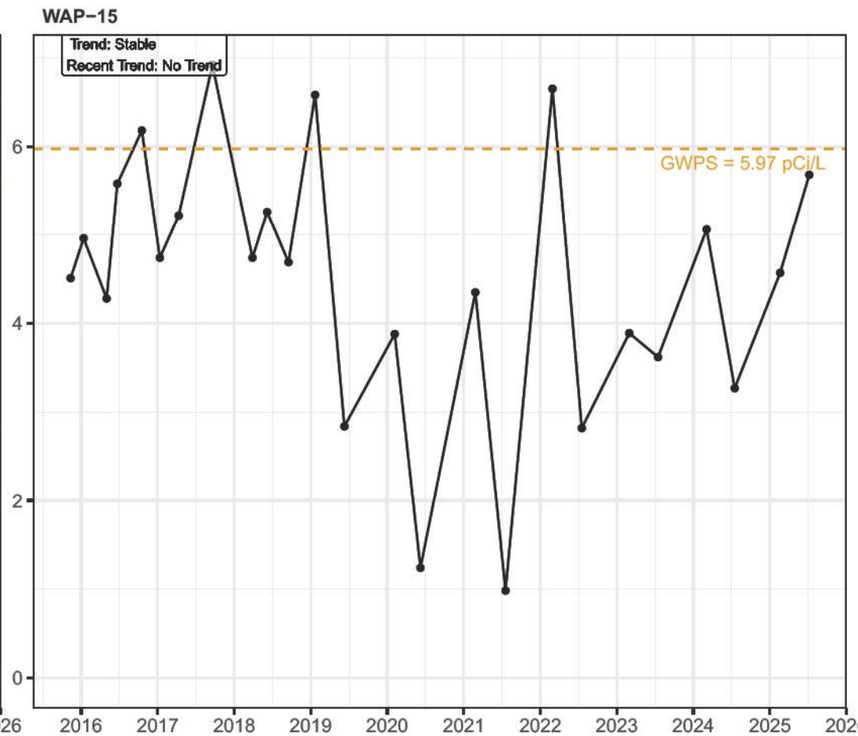
Detection Status: ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

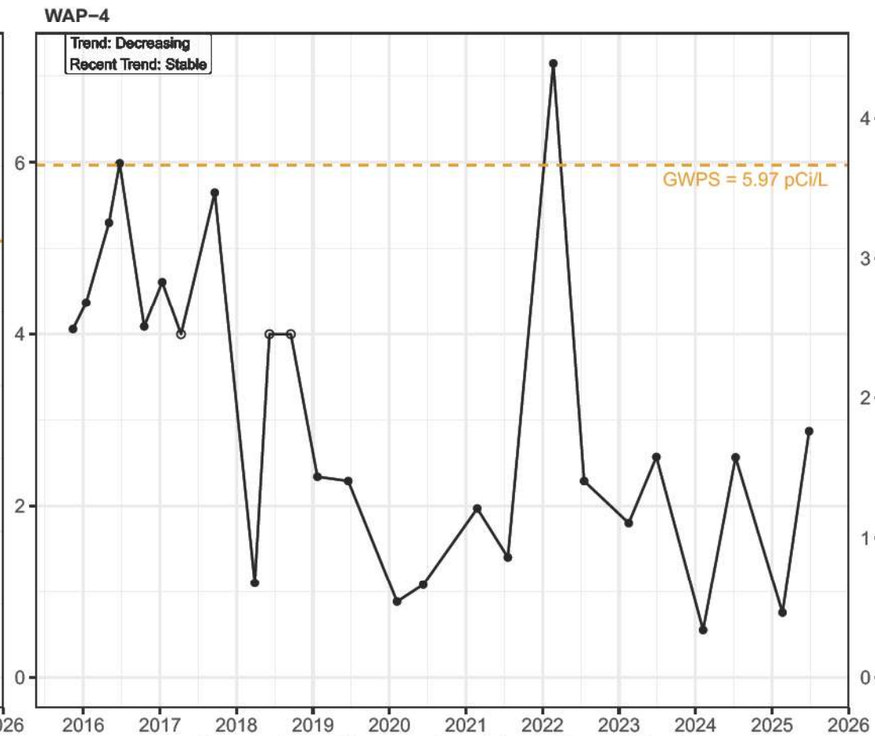
Trend Analysis for Radium−226 & 228

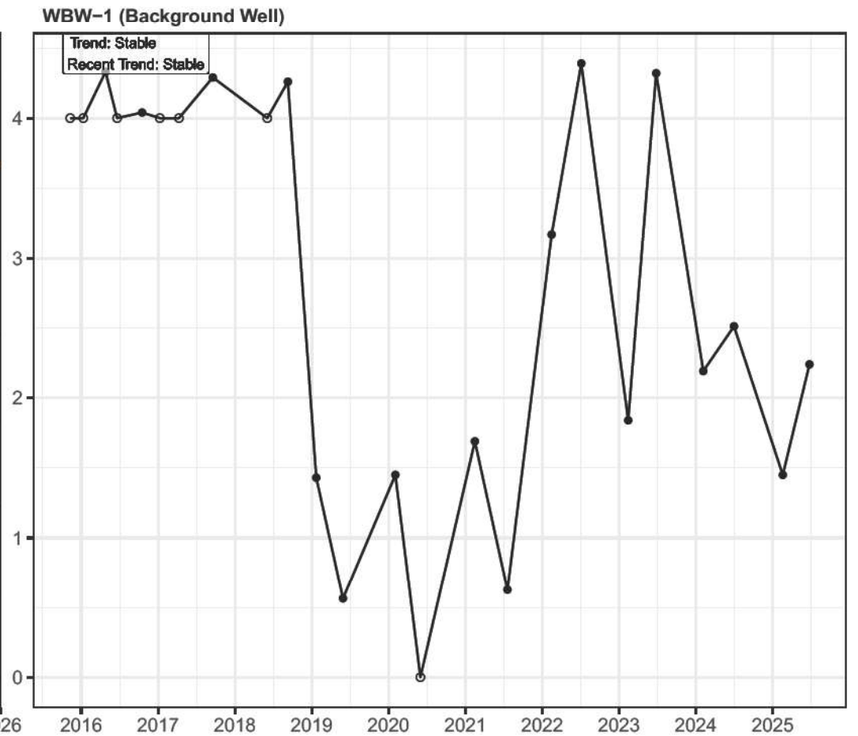










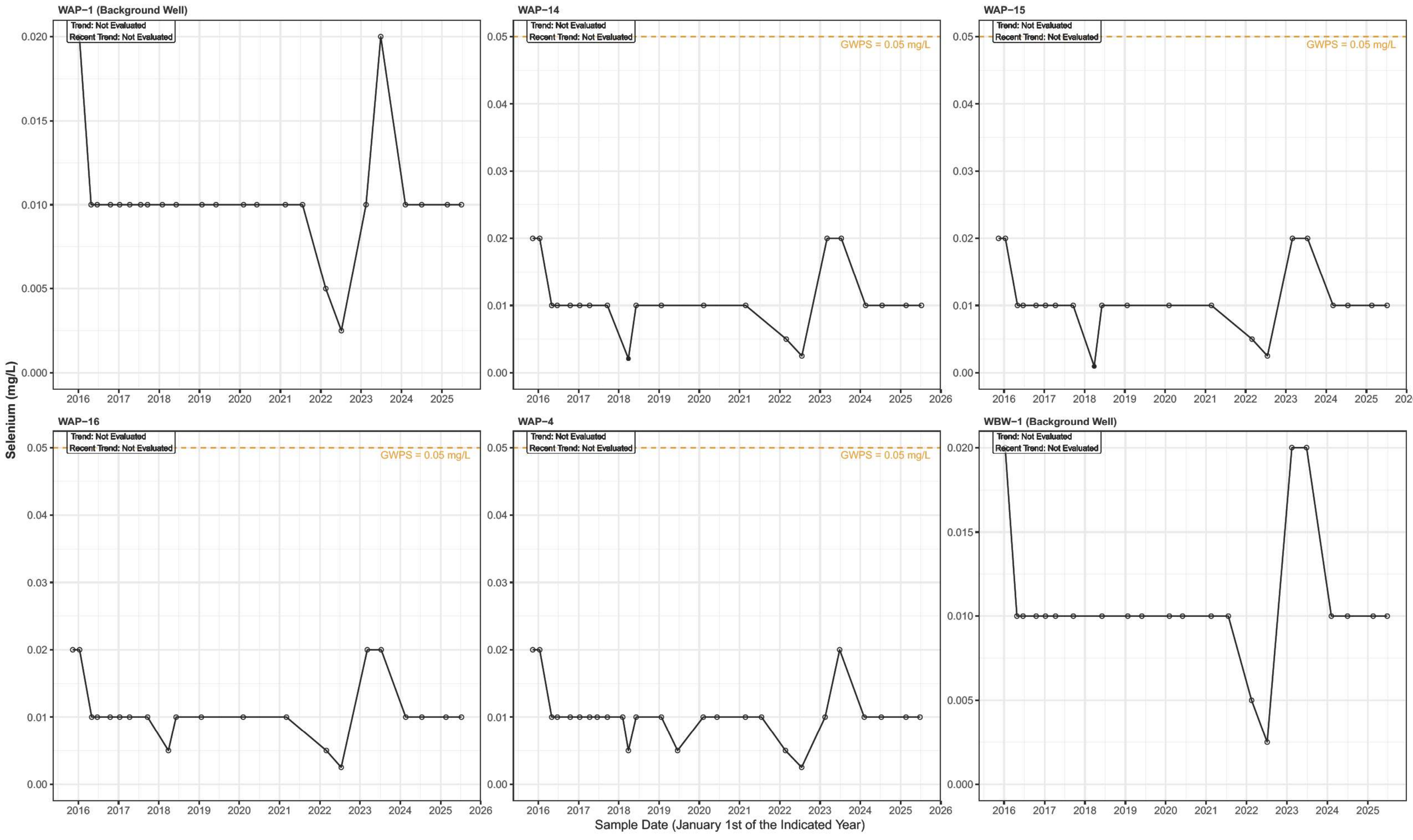


Sample Date (January 1st of the Indicated Year)

Detection Status: ● Detect ○ Non−Detect

Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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.

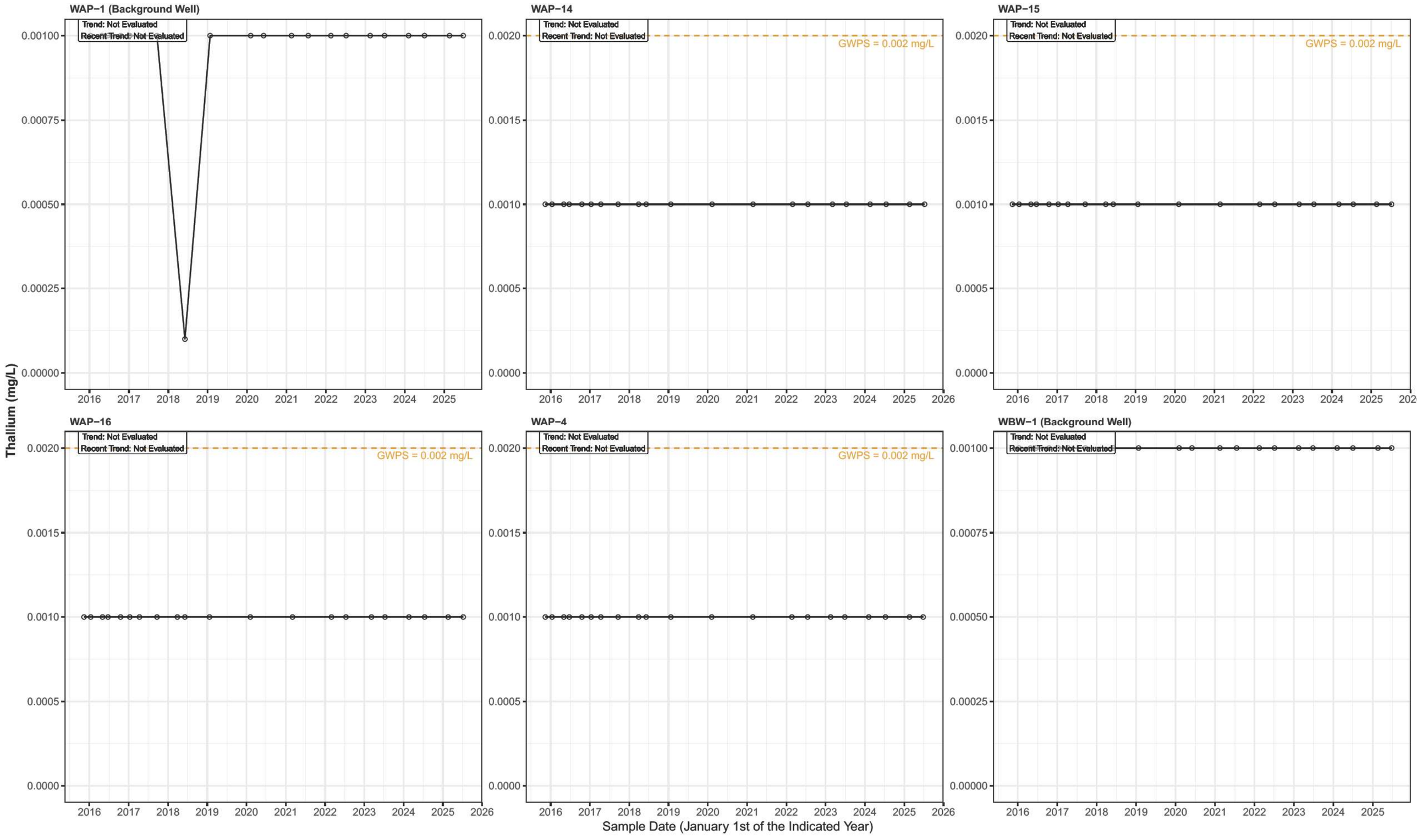
Trend Analysis for Selenium



Detection Status: ● Detect ○ Non−Detect

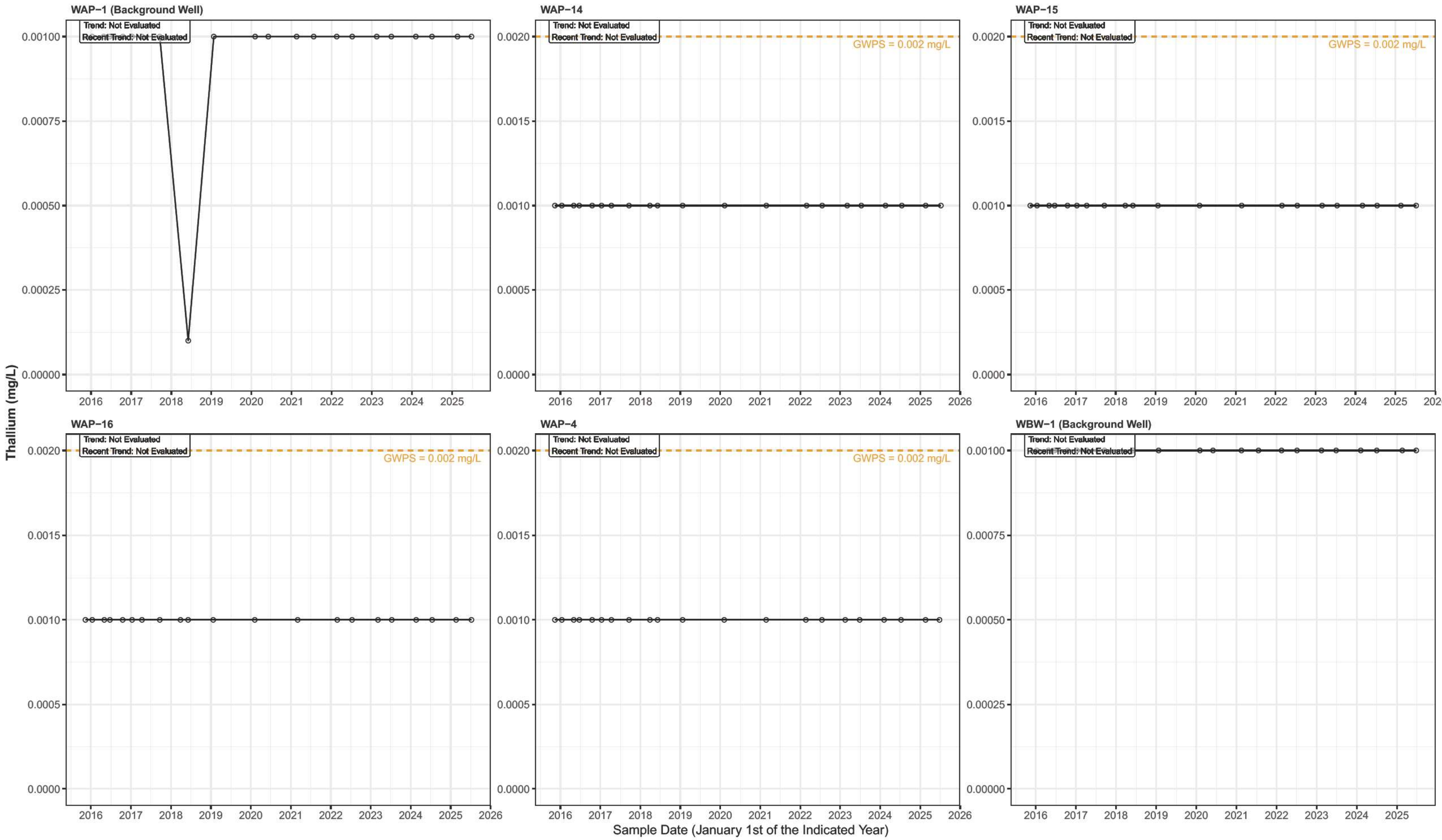
Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *Recent data are considered the 8 most recent data points collected for each well/analyte.
Trend classifications are based on Aziz (2003) guidance for Mann Kendall trend test results.

Trend Analysis for Thallium



Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). *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 Plots for Thallium



Notes: GWPS = Groundwater Protection Standard (max level between the MCL/RSL, UTL, and UPL for lithium and arsenic). LCL = lower confidence limit. If LCL > GWPS, a statistically significant level (SSL) is concluded.
*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 Reports

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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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25126 **Location:** GW Well WAP-4 **Date:** 02/19/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-4 **Time:** 12:30

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Barium	29.1	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Calcium	53.4	mg/L	02/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	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	6.3	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	119	ug/L	02/25/2025	SKJACOBS	EPA 6010D
Lithium	7.80	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	6.44	mg/L	03/04/2025	GEL	EPA 300.0
Sulfate	6.34	mg/L	02/22/2025	GEL	EPA 300.0
Total Dissolved Solids	222.5	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	0.442	pCi/L	03/19/2025	GEL	EPA 903.1 Mod
Radium 228	0.311	pCi/L	03/23/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	0.753	pCi/L	04/07/2025	SJLEVY	EPA 903.1 Mod
pH	7.36	SU	02/19/2025	ATH/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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25139 **Location:** GW Well WAP-14 **Date:** 02/20/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-14 **Time:** 10:12

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	23.8	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Barium	42.7	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Calcium	1140	mg/L	02/27/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Antimony	7.3	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Boron	8020	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/04/2025	EUROFINS SAV	EPA 7470
Fluoride	0.796	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	1410	mg/L	03/01/2025	GEL	EPA 300.0
Sulfate	798	mg/L	03/01/2025	GEL	EPA 300.0
Total Dissolved Solids	4610	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	2.40	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	0.752	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.15	pCi/L	04/07/2025	SLEVY	EPA 903.1 Mod
pH	7.72	SU	02/20/2025	ATH/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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25140 **Location:** GW Well WAP-14 **Date:** 02/20/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-14 DUP **Time:** 10:17

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	25.3	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Barium	44.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Calcium	1170	mg/L	02/27/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Antimony	7.7	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Boron	8490	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/04/2025	EUROFINS SAV	EPA 7470
Fluoride	0.805	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	1390	mg/L	03/01/2025	GEL	EPA 300.0
Sulfate	809	mg/L	03/01/2025	GEL	EPA 300.0
Total Dissolved Solids	4648	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	1.04	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	1.31	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.35	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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25144 **Location:** GW Well WAP-15 **Date:** 02/19/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-15 **Time:** 11:33

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Barium	229	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Calcium	569	mg/L	02/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	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	5.6	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	4400	ug/L	02/25/2025	SKJACOBS	EPA 6010D
Lithium	69.2	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	0.345	mg/L	02/22/2025	GEL	EPA 300.0
Chloride	823	mg/L	02/22/2025	GEL	EPA 300.0
Sulfate	486	mg/L	02/22/2025	GEL	EPA 300.0
Total Dissolved Solids	2795	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	2.25	pCi/L	03/19/2025	GEL	EPA 903.1 Mod
Radium 228	2.32	pCi/L	03/23/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.57	pCi/L	04/07/2025	SJLEVY	EPA 903.1 Mod
pH	6.53	SU	02/19/2025	ATH/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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25145 **Location:** GW Well WAP-16 **Date:** 02/19/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-16 **Time:** 09:33

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Barium	96.9	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Calcium	243	mg/L	02/25/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/25/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	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	2270	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	0.198	mg/L	02/22/2025	GEL	EPA 300.0
Chloride	260	mg/L	02/22/2025	GEL	EPA 300.0
Sulfate	264	mg/L	02/22/2025	GEL	EPA 300.0
Total Dissolved Solids	1250	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	1.05	pCi/L	03/19/2025	GEL	EPA 903.1 Mod
Radium 228	1.20	pCi/L	03/23/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.25	pCi/L	04/07/2025	SJLEVY	EPA 903.1 Mod
pH	6.72	SU	02/19/2025	ATH/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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25162 **Location:** GW Well WAP-29 **Date:** 02/20/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-29 **Time:** 09:07

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Barium	29.9	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Calcium	417	mg/L	02/27/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Cobalt	4.9	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Antimony	5.6	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Boron	6740	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/04/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	567	mg/L	03/01/2025	GEL	EPA 300.0
Sulfate	444	mg/L	03/01/2025	GEL	EPA 300.0
Total Dissolved Solids	2210	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	1.24	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	0.626	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.87	pCi/L	04/07/2025	SLEVY	EPA 903.1 Mod
pH	6.26	SU	02/20/2025	ATH/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

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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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25141 **Location:** GW Well WAP-14A **Date:** 02/20/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-14A **Time:** 14:00

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	6.9	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Barium	80.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Calcium	839	mg/L	02/27/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Antimony	6.2	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Boron	5430	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Lithium	47.2	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/04/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	969	mg/L	03/03/2025	GEL	EPA 300.0
Sulfate	640	mg/L	03/03/2025	GEL	EPA 300.0
Total Dissolved Solids	3622	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	0.807	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	0.768	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.58	pCi/L	04/07/2025	SLEVY	EPA 903.1 Mod
pH	7.31	SU	02/20/2025	ATH/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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25142 **Location:** GW Well WAP-14B **Date:** 02/20/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-14B **Time:** 13:20

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	6.7	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Barium	142	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Calcium	748	mg/L	02/27/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Cobalt	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Antimony	5.6	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Boron	6550	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Lithium	15.5	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/04/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	788	mg/L	03/02/2025	GEL	EPA 300.0
Sulfate	580	mg/L	03/02/2025	GEL	EPA 300.0
Total Dissolved Solids	3222	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	7.83	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	1.84	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	9.67	pCi/L	04/07/2025	SLEVY	EPA 903.1 Mod
pH	7.14	SU	02/20/2025	ATH/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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG25143 **Location:** GW Well WAP-14C **Date:** 02/20/2025 **Sample Collector:** ATH/DCA

Loc. Code WAP-14C **Time:** 11:44

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Barium	91.6	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Calcium	198	mg/L	02/27/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Cobalt	1.5	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Chromium	<5.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Lead	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Antimony	5.8	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Selenium	<10.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Thallium	<1.0	ug/L	02/27/2025	SKJACOBS	EPA 6020B
Boron	249	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Lithium	18.7	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	03/04/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	03/04/2025	EUROFINS SAV	EPA 7470
Fluoride	<0.100	mg/L	03/01/2025	GEL	EPA 300.0
Chloride	294	mg/L	03/02/2025	GEL	EPA 300.0
Sulfate	119	mg/L	03/02/2025	GEL	EPA 300.0
Total Dissolved Solids	1122	mg/L	02/21/2025	GJKOCENI	SM 2540C
Radium 226	1.91	pCi/L	03/27/2025	GEL	EPA 903.1 Mod
Radium 228	1.30	pCi/L	03/27/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.21	pCi/L	04/07/2025	SLEVY	EPA 903.1 Mod
pH	7.06	SU	02/20/2025	ATH/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

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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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36875 **Location:** GW Well WAP-4 **Date:** 06/26/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-4 **Time:** 15:33

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Barium	29.2	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/22/2025	SKJACOBS	EPA 6020B
Calcium	53.8	mg/L	07/21/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/21/2025	SKJACOBS	EPA 6020B
Cobalt	0.65	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	110	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	10.1	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	6.67	mg/L	07/07/2025	RWMIMS	EPA 300.0
Sulfate	6.46	mg/L	07/07/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	200.0	mg/L	06/27/2025	GJKOCENI	SM 2540C
Radium 226	1.92	pCi/L	07/13/2025	GEL	EPA 903.1 Mod
Radium 228	0.949	pCi/L	07/11/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.87	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	7.29	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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36887 **Location:** GW Well WAP-14 **Date:** 07/09/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-14 **Time:** 12:18

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	18.7	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Barium	41.1	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Calcium	953	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	9200	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	0.97	mg/L	07/14/2025	RWMIMS	EPA 300.0
Chloride	1340	mg/L	07/14/2025	RWMIMS	EPA 300.0
Sulfate	781	mg/L	07/14/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	4925	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	0.670	pCi/L	08/04/2025	GEL	EPA 903.1 Mod
Radium 228	1.74	pCi/L	08/04/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.41	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	7.65	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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36888 **Location:** GW Well WAP-14 **Date:** 07/09/2025 **Sample Collector:** SHERRI LI

Loc. Code WAP-14 DUP **Time:** 12:23

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	21.2	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Barium	41.3	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Calcium	968	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
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
Boron	8880	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Lithium	<5.0	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	1.04	mg/L	07/14/2025	RWMIMS	EPA 300.0
Chloride	1340	mg/L	07/14/2025	RWMIMS	EPA 300.0
Sulfate	790	mg/L	07/14/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	4968	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	0.697	pCi/L	08/04/2025	GEL	EPA 903.1 Mod
Radium 228	1.96	pCi/L	08/04/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.66	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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36892 **Location:** GW Well WAP-15 **Date:** 07/08/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-15 **Time:** 13:40

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Barium	259	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Calcium	588	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	4590	ug/L	07/16/2025	SKJACOBS	EPA 6010D
Lithium	68.7	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	0.34	mg/L	07/09/2025	RWMIMS	EPA 300.0
Chloride	870	mg/L	07/23/2025	RWMIMS	EPA 300.0
Sulfate	565	mg/L	07/09/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	3322	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	3.11	pCi/L	08/06/2025	GEL	EPA 903.1 Mod
Radium 228	2.57	pCi/L	07/29/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.68	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	6.85	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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36893 **Location:** GW Well WAP-16 **Date:** 07/09/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-16 **Time:** 14:27

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Barium	92.7	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Calcium	219	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
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
Boron	2850	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Lithium	8.46	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	0.19	mg/L	07/14/2025	RWMIMS	EPA 300.0
Chloride	251	mg/L	07/14/2025	RWMIMS	EPA 300.0
Sulfate	297	mg/L	07/14/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	1228	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	1.30	pCi/L	08/04/2025	GEL	EPA 903.1 Mod
Radium 228	2.63	pCi/L	08/04/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.93	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	6.82	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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36909 **Location:** GW Well WAP-29 **Date:** 07/08/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-29 **Time:** 14:34

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Barium	30.6	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Calcium	400	mg/L	07/23/2025	SKJACOBS	EPA 6020B
Cadmium	<0.5	ug/L	07/23/2025	SKJACOBS	EPA 6020B
Cobalt	3.8	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	7490	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	0.11	mg/L	07/09/2025	RWMIMS	EPA 300.0
Chloride	610	mg/L	07/09/2025	RWMIMS	EPA 300.0
Sulfate	463	mg/L	07/09/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	2595	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	0.866	pCi/L	08/06/2025	GEL	EPA 903.1 Mod
Radium 228	1.38	pCi/L	07/29/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.25	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	6.20	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

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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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36889 **Location:** GW Well WAP-14A **Date:** 07/09/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-14A **Time:** 11:30

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	9.1	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Barium	85.4	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Calcium	882	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
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
Boron	6380	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Lithium	53.5	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	0.14	mg/L	07/14/2025	RWMIMS	EPA 300.0
Chloride	1160	mg/L	07/14/2025	RWMIMS	EPA 300.0
Sulfate	721	mg/L	07/14/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	4678	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	0.606	pCi/L	08/04/2025	GEL	EPA 903.1 Mod
Radium 228	1.16	pCi/L	08/04/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.77	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	7.23	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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36890 **Location:** GW Well WAP-14B **Date:** 07/15/2025 **Sample Collector:** ATH/EA

Loc. Code WAP-14B **Time:** 10:23

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Barium	144	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/29/2025	SKJACOBS	EPA 6020B
Calcium	724	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	7030	ug/L	07/22/2025	SKJACOBS	EPA 6010D
Lithium	18.2	ug/L	07/22/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	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	958	mg/L	07/15/2025	RWMIMS	EPA 300.0
Sulfate	645	mg/L	07/15/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	3315	mg/L	07/16/2025	GJKOCENI	SM 2540C
Radium 226	6.06	pCi/L	08/13/2025	GEL	EPA 903.1 Mod
Radium 228	1.53	pCi/L	07/31/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	7.59	pCi/L	08/18/2025	SJLEVY	EPA 903.1 Mod
pH	7.04	SU	07/15/2025	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

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AG36891 **Location:** GW Well WAP-14C **Date:** 07/09/2025 **Sample Collector:** AGP/EA

Loc. Code WAP-14C **Time:** 13:19

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5.0	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Barium	91.6	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Beryllium	<0.5	ug/L	07/28/2025	SKJACOBS	EPA 6020B
Calcium	187	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
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
Boron	190	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Lithium	16.7	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Molybdenum	<5.0	ug/L	07/17/2025	SKJACOBS	EPA 6010D
Mercury	<0.2	ug/L	07/24/2025	EUROFINS ATL	EPA 7470
Fluoride	<0.10	mg/L	07/14/2025	RWMIMS	EPA 300.0
Chloride	323	mg/L	07/14/2025	RWMIMS	EPA 300.0
Sulfate	123	mg/L	07/14/2025	RWMIMS	EPA 300.0
Total Dissolved Solids	1192	mg/L	07/10/2025	GJKOCENI	SM 2540C
Radium 226	1.13	pCi/L	08/04/2025	GEL	EPA 903.1 Mod
Radium 228	0.202	pCi/L	08/04/2025	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.33	pCi/L	08/07/2025	SJLEVY	EPA 903.1 Mod
pH	7.25	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

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

Chain of Custody

santee cooper

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) :

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): 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	
AG25126	WAP 4	2/19/25	1230	ATH/DCA	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
2.1	SJL

Comments

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
2/19/25 @ 1534 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# 235816/110780IJ Date/Time/Int GEL 1/10/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
	36887	2/19/25	1400	SLevy	35594	2/19/25	1430
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

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	Grab/Comp	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
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

Fill in the Number of Containers for each Test

Temperature Checks: Internal Use Only	
TEMP (°C)	INIT
2.1	SJL

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO_3)
2/19/25 @ 0920 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: 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 CCR

Chain of Custody

(WAP- 12, 13, 14, 15, 16, 20, 21 , 27, 28, 28R & 29 (Duplicates WAP-12 & 14)

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)

Preservative	1	1	1	1	1,2	
Bottle Type (Glass/Plastic)	P	P	P	P	P	

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	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228	Comments
								Fill in the Number of Containers for each Test					
AG25145	WAP-16	2/19/25	0933	ATH/DCA	G	GW	7	2	1	1	1	2	
AG25144	WAP-15	2/19/25	1133	ATH/DCA	G	G	7	2	1	1	1	2	

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 e1534 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# 235816/110780IJ Date/Time/Int GEL 1/10/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
	36887	2/19/25	1400	S.Levy	35594	2/19/25	1430
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 CCR

Chain of Custody

(WAP- 12, 13, 14, 15, 16, 20, 21 , 27, 28, 28R & 29 (Duplicates WAP-12 & 14)

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)

Preservative	1	1	1	1	1,2	
Bottle Type (Glass/Plastic)	P	P	P	P	P	

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, Sa, Tl (Fill in the Number of Containers for each Test)	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228	
AG25162	WAP 29	2/20/25	0907	ATH/DCA	G	GW	7	2	1	1	1	2	
AG25139	WAP 14	2/20/25	1012	ATH/DCA	G	GW	7	2	1	1	1	2	
AG25140	WAP 14 DUP	2/20/25	1017	ATH/DCA	G	GW	7	2	1	1	1	2	

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
1.9	TH

Comments

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
santee cooper 2/21/25 @ 0840 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# 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	2/21/25	0830		36851	2/21/25	0830
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
CCR CMA NE ASD
(WAP- 14A, 14B, 14C, 22, 23, 24, 25, & 26, 30 with Duplicate WAP-26)

santee cooper

Chain of Custody

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	By	Grab/Comp	Matrix	Number of Containers	Sample Analysis Requested (Method): As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228	Comments
Preservative								1	1	1	1	1,2	
Bottle Type (Glass/Plastic)								P	P	P	P	P	
					Sample Type			Fill in the Number of Containers for each Test					
AG25143	WAP 14C	2/20/25	1144	ATH/DCA	G	GW	7	2	1	1	1	2	
AG25142	WAP 14B	2/20/25	1320	ATH/DCA	G	GW	7	2	1	1	1	2	
AG25141	WAP 14A	2/20/25	1400	ATH/DCA	G	GW	7	2	1	1	1	2	

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
1.9	TH

Spectrum Lot # 1124081
Batch # 20250213-01
1:1 Nitric Acid (HNO3)
santee cooper 2/21/25 @ 0840 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# 235816/1107805	Date/Time/Int	GEL 1/10/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
	~~336~~ 36887	2/21/25	0830		36851	2/21/25	0830
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

Wil,
CCR

Chain of Custody

santee cooper

(WAP- 12, 13, 14, 15, 16, 20, 21 , 27, 28, 28R & 29 (Duplicates WAP-12 & 14)

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	Collection By	Sample Type Grab/Comp	Sample Type Matrix	Number of Containers	As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228
Preservative								1	1	1	1	½
Bottle Type (Glass/Plastic)								P	P	P	P	P
								Fill in the Number of Containers for each Test				
AG36887	WAP-14	7/9/25	1218	AGP/EA	G	GW	7	2	1	1	1	2
AG36888	WAP-14 Dup	7/9/25	1223	AGP/EA	G	GW	7	2	1	1	1	2
AG36893	WAP-16	7/9/25	1427	AGP/EA	G	GW	7	2	1	1	1	2

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
4.9	SJL

Comments

- EDITED DATE & TIMES
- ADDED ANALYSES

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#	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
	38361	7/10/25	7413	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

Winyah CCR

Chain of Custody

(WAP- 12, 13, 14, 15, 16, 20, 21 , 27, 28, 28R & 29 (Duplicates WAP-12 & 14)

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	1	1	1	1	1/2
								Bottle Type (Glass/Plastic)	P	P	P	P	P
									As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228
									Fill in the Number of Containers for each Test				
AG36899	WAP-21	7/8/25	925	ACP/EA	G	GW	7		2	1	1	1	2
AG36892	WAP-15	7/8/25	1340	ACP/EA	G	GW	7		2	1	1	1	2
AG36909	WAP-29	7/8/25	1434	ACP/EA	G	GW	7		2	1	1	1	2

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

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

Composite Samples:

Start Date/Time:

End Date/Time:

Preservative Record	Correct pH: (Yes) No	If preserved, Lot# 220325 000 / 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	739	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

Winyah
NPDES/CCR

(WAP- 2, 2R, 3, 4, 9, & 10 Duplicate WAP-10 and field blank for WAP-2)

Chain of Custody

santee cooper

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) :

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			**Sample Analysis Requested (Method)**				
								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: TRL

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	33361	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	Preservative	Bottle Type (Glass/Plastic)	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
										Fill in the Number of Containers for each Test					
AG36911	WBW-1	6/25/25	947	ACP/EA	G	GW	7		P	1	1	2	1	1	1
AG36871	WAP-1	6/25/25	1046	ACP/EA	G	GW	7		P	1	1	2	1	1	1
AG36878	WAP-7	6/25/25	1215	ACP/EA	G	GW	7		P	1	1	2	1	1	1

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)
santee cooper 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

Winyah
CCR CMA NE ASD
(WAP- 14A, 14B, 14C, 22, 23, 24, 25, & 26, 30 with Duplicate WAP-26)

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) :

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)					
								Preservative	1	1	1	1	1,2
								Bottle Type (Glass/Plastic)	P	P	P	P	P
									As, Ba, Be, Ca, Cd, Co, Cr, Pb, Sb, Se, Tl	B, Li, Mo, Hg	TDS	F, Cl, SO4	Ra 226, Ra 228
								Fill in the Number of Containers for each Test					
AB36890	WAP 14B	7/25/25	1023	ATH-A	G	GW	7		2	1	1	1	2

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
3.4	SKJ

Comments: -EDITED DATE & TIME ADDED PARAMETERS;

Spectrum Lot # 1124081
Batch # 20250213-01
Nitric Acid (HNO3)
7/15/25 e 1457 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# 220325ccc/ 4G-10944 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	1432	Sam Jo	38125	7/15/2025	1432
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

Winy
CCR CMA NE AS
(WAP- 14A, 14B, 14C, 22, 23, 24, 25, & 26, 30 with Duplicate WAP-26)

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) :

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	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	**Sample Analysis Requested (Method)**				
								Fill in the Number of Containers for each Test				
AG36889	WAP-14A	7/9/25	1130	AGP/EA	G	GW	7	2	1	1	1	2
AG36891	WAP-14~~B~~C	7/9/25	1319	AGP/EA	G	GW	7	2	1	1	1	2
AG36904	WAP-26	7/9/25	1550	AGP/EA	G	GW	7	2	1	1	1	2
AG36905	WAP-26 Dup	7/9/25	1555	AGP/EA	G	GW	7	2	1	1	1	2

Temperature Checks: Internal Use Only

TEMP (°C)	INIT
4.9	SJL

Comments
- EDITED DATES & TIMES
- ADDED ANALYSES
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 5/28/25

Relinquished by: (To Person / Lockbox)	Employee #	Date	Time	Received by: (From Person / Lockbox)	Employee #	Date	Time
[signature]	38361	7/10/25	741	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

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

Eurofins Atlanta

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	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	☐ [redacted]	☐ 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, [redacted] Ni, Pb, [redacted]	☐ Rad 226	
	☐ Particle Size	☐ Fineness	☐ TSS		☐ Rad 228	
	☐ Sulfur	☐ Particulate Matter		☐ GOFER	☐ PCB	
	☐ USDA					

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 lcwillis@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

7/25/2025

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

Page 18 of 22

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

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

7/25/2025

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
- ☐ [redacted]
- ☐ TP/TPO4
- ☐ NH3-N
- ☐ [redacted]
- ☐ Cl
- ☐ NO2
- ☐ Br
- ☐ NO3
- ☐ SO4

Gypsum
- ☒ Wallboard
- ☐ [redacted]
- ☐ TOC
- ☐ Total metals
- ☐ [redacted]
- ☐ Purity (CaSO4)
- ☐ % Moisture
- ☐ [redacted]
- ☐ 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]
- ☐ 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	☐ [redacted]	☐ [redacted]	☐ Cd
☐ Co	☐ [redacted]	☐ Cu	☐ Fe
☐ [redacted]	☐ [redacted]	☐ [redacted]	☐ Mn
☐ Mo	■ Na	☐ [redacted]	☐ Pb
☐ Sb	☐ Se	☐ Sn	☐ Sr
☐ Ti	☐ Tl	☐ V	☐ Zn
☐ Hg	☐ [redacted]	☐ XRF scan	

☐ RCRA (As, [redacted], 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



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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

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
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	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
☐ [redacted]	☐ 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	☐ [redacted] ☐ Tl ☐ V ☐ Zn
☐ Br	☐ Sulfites	☐ CHN	NPDES	☐ [redacted] Oil	☐ Dissolved As	☒ Hg ☐ [redacted] ☐ 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	
	☐ [redacted]	☐ Fineness	☐ TSS		☐ Rad 228	
	☐ Sulfur	☐ Particulate Matter		☐ GOFER	☐ PCB	
	☐ USDA					

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

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JOB DESCRIPTION

125915/JM02.08.G01.3/36500

JOB NUMBER

705-37624-1

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



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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 10
QC Sample Results 11
Chronicle 12
Chain of Custody 13
Receipt Checklists 14
Certification Summary 15
End Of Report 16

Job Narrative
705-37624-1

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.

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.G01.3/36500

Job ID: 705-37624-1

Client Sample ID: AG36932 — Lab Sample ID: 705-37624-1

No Detections.

Client Sample ID: AG39410 — Lab Sample ID: 705-37624-2

No Detections.

Client Sample ID: AG36933 — Lab Sample ID: 705-37624-3

No Detections.

Client Sample ID: AG39411 — Lab Sample ID: 705-37624-4

No Detections.

Client Sample ID: AG36890 — Lab Sample ID: 705-37624-5

No Detections.

This Detection Summary does not include radiochemical test results.

Sample Summary

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

Job ID: 705-37624-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
705-37624-1	AG36932	Water	07/10/25 11:39	07/23/25 09:45
705-37624-2	AG39410	Water	07/10/25 11:44	07/23/25 09:45
705-37624-3	AG36933	Water	07/10/25 12:08	07/23/25 09:45
705-37624-4	AG39411	Water	07/10/25 12:13	07/23/25 09:45
705-37624-5	AG36890	Water	07/15/25 10:23	07/23/25 09:45

Method Summary

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

Job ID: 705-37624-1

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/JM02.08.G01.3/36500

Job ID: 705-37624-1

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/JM02.08.G01.3/36500

Job ID: 705-37624-1

Client Sample ID: AG36932

Lab Sample ID: 705-37624-1
Matrix: Water
Date Collected: 07/10/25 11:39
Date Received: 07/23/25 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		07/31/25 14:35	07/31/25 18:56	1

Client Sample ID: AG39410

Lab Sample ID: 705-37624-2
Matrix: Water
Date Collected: 07/10/25 11:44
Date Received: 07/23/25 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		07/31/25 14:35	07/31/25 19:00	1

Client Sample ID: AG36933

Lab Sample ID: 705-37624-3
Matrix: Water
Date Collected: 07/10/25 12:08
Date Received: 07/23/25 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		07/31/25 14:35	07/31/25 19:03	1

Client Sample ID: AG39411

Lab Sample ID: 705-37624-4
Matrix: Water
Date Collected: 07/10/25 12:13
Date Received: 07/23/25 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		07/31/25 14:35	07/31/25 19:07	1

Client Sample ID: AG36890

Lab Sample ID: 705-37624-5
Matrix: Water
Date Collected: 07/15/25 10:23
Date Received: 07/23/25 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		07/31/25 14:35	07/31/25 19:11	1

Metals

Prep Batch: 71691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
705-37624-1	AG36932	Total/NA	Water	7470A	
705-37624-2	AG39410	Total/NA	Water	7470A	
705-37624-3	AG36933	Total/NA	Water	7470A	
705-37624-4	AG39411	Total/NA	Water	7470A	
705-37624-5	AG36890	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
705-37624-1	AG36932	Total/NA	Water	7470A	71691
705-37624-2	AG39410	Total/NA	Water	7470A	71691
705-37624-3	AG36933	Total/NA	Water	7470A	71691
705-37624-4	AG39411	Total/NA	Water	7470A	71691
705-37624-5	AG36890	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/JM02.08.G01.3/36500

Job ID: 705-37624-1

Client Sample ID: AG36932
Date Collected: 07/10/25 11:39
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37624-1
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 18:56

Client Sample ID: AG39410
Date Collected: 07/10/25 11:44
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37624-2
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 19:00

Client Sample ID: AG36933
Date Collected: 07/10/25 12:08
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37624-3
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 19:03

Client Sample ID: AG39411
Date Collected: 07/10/25 12:13
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37624-4
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 19:07

Client Sample ID: AG36890
Date Collected: 07/15/25 10:23
Date Received: 07/23/25 09:45

Lab Sample ID: 705-37624-5
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 19:11

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 / 31 / 25 Send report to lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

HG

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

Date Results Needed by: ___/___/___

Project/Task/Unit #: 125915 / JM02.08.G01.3 / 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	HG
AG36932	WAP-2-BP-SW-1	7/10/25	1139	AGP EA	1	P	G	SW	2	7470 RL<0.2 ug/L	X
AG39410	WAP-2BP-SW-1 DUP		1144								
AG36933	WAP-2-DITCH-SW-1		1208								
AG39411	WAP-2-DITCH-SW-1 DUP		1213								
AG36890	WAP-14B	7/15/25	1023	ATH EA				GW			

705-37624 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	☐ 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
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: 705-37624-1

Login Number: 37624
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: 705-37624-1
Project/Site: 125915/JM02.08.G01.3/36500

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.

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
7/14/2025 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

Client: South Carolina Public Service Authority
Project/Site: Santee Cooper

Job ID: 705-35290-1

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-A1-2	6/25/25	1323											
AG36930	WLF-A1-2F		1328											
AG36912	WBW-A1-1	6/23/25	1528											

Nutrients
- TOC
- DOC
- TP/TKN/P
- 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



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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
Job ID: 705-35289-1
Project/Site: Santee Cooper

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
Date Collected: 06/24/25 11:00
Date Received: 07/01/25 10:45

Lab Sample ID: 705-35289-8
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		07/14/25 12:58	07/14/25 19:19	1

Client Sample ID: WLF-AI-1
Date Collected: 06/24/25 11:59
Date Received: 07/01/25 10:45

Lab Sample ID: 705-35289-9
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		07/14/25 12:58	07/14/25 19:23	1

Client Sample ID: WLF-AI-5
Date Collected: 06/24/25 13:04
Date Received: 07/01/25 10:45

Lab Sample ID: 705-35289-10
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		07/14/25 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.

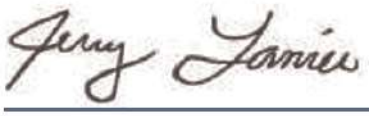
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Job Notes

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



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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
Date Collected: 02/18/25 11:18
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-1
Matrix: GW

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
Date Collected: 02/18/25 12:29
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-2
Matrix: GW

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
Date Collected: 02/18/25 14:09
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-3
Matrix: GW

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
Date Collected: 02/18/25 13:45
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-4
Matrix: GW

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
Date Collected: 02/18/25 15:40
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-5
Matrix: GW

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
Date Collected: 02/19/25 09:33
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262192-6
Matrix: GW

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	1	1229	1							
AG25122	WAP-2		1409								
23	WAP-2F		1345								
24	WAP-2R	1	1540	1	1						
AG25145	WAP-16	2/19/25	0933	ATH DCA							
44	WAP-15	1	1133	1							
AG25126	WAP-4	2/19/25	1230	1	1	1	1	1	1		

680-262192 Chain of Custody

Nutrients: TOC, DOC, TP TPO4, [redacted]-N, I, 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), 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	Th	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

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

ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

125915/JM02.09.G01.1/36500

JOB NUMBER

680-262193-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

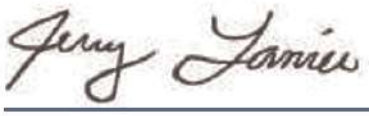
my EOL

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



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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 15
QC Association 16
Chronicle 17
Chain of Custody 18
Receipt Checklists 19
Certification Summary 20

Job ID: 680-262193-1 — Eurofins Savannah

Job Narrative
680-262193-1

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
Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples. This was demonstrated when two aliquots potassium permanganate reagent was added and the characteristic purple color remained.

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: 680-262193-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-262193-1	AG25162	GW	02/20/25 09:07	02/25/25 11:15
680-262193-2	AG25139	GW	02/20/25 10:12	02/25/25 11:15
680-262193-3	AG25140	GW	02/20/25 10:17	02/25/25 11:15
680-262193-4	AG25143	GW	02/20/25 11:44	02/25/25 11:15
680-262193-5	AG25142	GW	02/20/25 13:20	02/25/25 11:15
680-262193-6	AG25141	GW	02/20/25 14:00	02/25/25 11:15

Method Summary

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

Job ID: 680-262193-1

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/JM02.09.G01.1/36500

Job ID: 680-262193-1

Client Sample ID: AG25162 — **Lab Sample ID: 680-262193-1**

No Detections.

Client Sample ID: AG25139 — **Lab Sample ID: 680-262193-2**

No Detections.

Client Sample ID: AG25140 — **Lab Sample ID: 680-262193-3**

No Detections.

Client Sample ID: AG25143 — **Lab Sample ID: 680-262193-4**

No Detections.

Client Sample ID: AG25142 — **Lab Sample ID: 680-262193-5**

No Detections.

Client Sample ID: AG25141 — **Lab Sample ID: 680-262193-6**

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: 680-262193-1

Client Sample ID: AG25162
Date Collected: 02/20/25 09:07
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-1
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 10:08	1

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

Job ID: 680-262193-1

Client Sample ID: AG25139
Date Collected: 02/20/25 10:12
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-2
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 10:10	1

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

Job ID: 680-262193-1

Client Sample ID: AG25140
Date Collected: 02/20/25 10:17
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-3
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 09:54	1

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

Job ID: 680-262193-1

Client Sample ID: AG25143
Date Collected: 02/20/25 11:44
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-4
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 09:56	1

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

Job ID: 680-262193-1

Client Sample ID: AG25142
Date Collected: 02/20/25 13:20
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-5
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 10:34	1

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

Job ID: 680-262193-1

Client Sample ID: AG25141
Date Collected: 02/20/25 14:00
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-6
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 10:27	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
680-262193-1	AG25162	Total/NA	GW	7470A	
680-262193-2	AG25139	Total/NA	GW	7470A	
680-262193-3	AG25140	Total/NA	GW	7470A	
680-262193-4	AG25143	Total/NA	GW	7470A	
680-262193-5	AG25142	Total/NA	GW	7470A	
680-262193-6	AG25141	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
680-262193-1	AG25162	Total/NA	GW	7470A	877604
680-262193-2	AG25139	Total/NA	GW	7470A	877604
680-262193-3	AG25140	Total/NA	GW	7470A	877604
680-262193-4	AG25143	Total/NA	GW	7470A	877604
680-262193-5	AG25142	Total/NA	GW	7470A	877604
680-262193-6	AG25141	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: 680-262193-1

Client Sample ID: AG25162
Date Collected: 02/20/25 09:07
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-1
Matrix: GW

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 10:08

Client Sample ID: AG25139
Date Collected: 02/20/25 10:12
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-2
Matrix: GW

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 10:10

Client Sample ID: AG25140
Date Collected: 02/20/25 10:17
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-3
Matrix: GW

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 09:54

Client Sample ID: AG25143
Date Collected: 02/20/25 11:44
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-4
Matrix: GW

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 09:56

Client Sample ID: AG25142
Date Collected: 02/20/25 13:20
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-5
Matrix: GW

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 10:34

Client Sample ID: AG25141
Date Collected: 02/20/25 14:00
Date Received: 02/25/25 11:15

Lab Sample ID: 680-262193-6
Matrix: GW

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 10:27

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

3/4/2025

Loc: 680
262193

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	Hg
AG25162	WAP-29	2/20/25	0907	ATH DCA	1	P	G	GW	2	7470 RL=0.2 ug/L	X
39	WAP-14	"	1012	"	"	"	"	"	"		"
40	WAP-14 DUP	"	1017	"	"	"	"	"	"		"
AG25143	WAP-14C	"	1144	"	"	"	"	"	"		"
42	WAP-14B	"	1320	"	"	"	"	"	"		"
41	WAP-14A	"	1400	"	"	"	"	"	"		"

680-262193 Chain of Custody

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 [redacted] Cd
TP/TPO4	TOC	Ash	% Carbon	Color	VOA/Semi	Co Cr Cu Fe
NH3-N	Total metals	Sulfur	Mineral Analysis	Density	Oil & Grease	K Li Mg Mn
F	Soluble Metals	BTUs	Sieve	Pentane Strength	E. Coli	Mo Na Ni [redacted]
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 [redacted] XRF [redacted]
NO3	pH	HGI	Oil & Grease	Flashpoint	Dissolved Fe	[redacted] Cd, Cr, Pb, Hg [redacted]
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
SLevy	35594	R Caldwell	COURIER	2/25/25	0815
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
R Caldwell		Bargell		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: 680-262193-1

Login Number: 262193

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: 680-262193-1
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

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

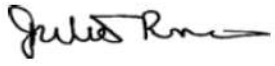
** Analyte is a surrogate compound

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

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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	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:	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
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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

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

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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
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:	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
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: 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 13, 2025

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

Re: ABS Lab Analytical
Work Order: 734054

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/JM02.08.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: 734054 GEL Work Order: 734054

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:	AG36932	Project:	SOOP00119
Sample ID:	734054001	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	10-JUL-25 11:39		
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	U	0.690	+/-0.491	0.751	1.00	pCi/L			CH7	07/31/25	1059	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.139	+/-0.192	0.333	1.00	pCi/L			LB2	08/13/25	0846	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"			80.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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:	AG39410	Project:	SOOP00119
Sample ID:	734054002	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	10-JUL-25 11:44		
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	U	0.784	+/-0.553	0.842	1.00	pCi/L			CH7	07/31/25	1054	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.404	+/-0.262	0.363	1.00	pCi/L			LB2	08/13/25	0846	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"			57.9	(15%-125%)

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

Column headers are defined as follows:

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

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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:	AG36933	Project:	SOOP00119
Sample ID:	734054003	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	10-JUL-25 12:08		
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		0.918	+/-0.497	0.727	1.00	pCi/L			CH7	07/31/25	1054	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226	U	0.325	+/-0.292	0.444	1.00	pCi/L			LB2	08/13/25	0846	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"			80.1	(15%-125%)

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

Column headers are defined as follows:

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

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Certificate of Analysis

Report Date: 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:	AG39411	Project:	SOOP00119
Sample ID:	734054004	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	10-JUL-25 12:13		
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	0.740	+/-0.499	0.766	1.00	pCi/L			CH7	07/31/25	1059	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		0.471	+/-0.241	0.251	1.00	pCi/L			LB2	08/13/25	0846	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"			80.5	(15%-125%)

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
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:	AG36890	Project:	SOOP00119
Sample ID:	734054005	Client ID:	SOOP001
Matrix:	Ground Water		
Collect Date:	15-JUL-25 10:23		
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		1.53	+/-0.588	0.783	1.00	pCi/L			CH7	07/31/25	1059	2833531	1
Rad Radium-226													
Lucas Cell, Ra226, Liquid "As Received"													
Radium-226		6.06	+/-0.783	0.284	1.00	pCi/L			LB2	08/13/25	0846	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"			83.8	(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: August 13, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **734054**

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: **734054**

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 #: 734054

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
734054001	AG36932
734054002	AG39410
734054003	AG36933
734054004	AG39411
734054005	AG36890
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.

Preparation Information

Homogenous Matrix
Sample 734054003 (AG36933) was non-homogenous matrix.
dirt and water 734054003 (AG36933).

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

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
734054001	AG36932
734054002	AG39410
734054003	AG36933
734054004	AG39411
734054005	AG36890
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 lcwillia@santeecooper.com & sherri.levy@santeecooper.com

Chain of Custody

734054 RAD

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.GØ1.3 / 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			
AG36932	WAP-2-BP-SW-1	7/10/25	1139	AGP EA	2	P	G	SW	2		X			
AG39410	WAP-2-BP-SW-1 DUP	"	1144	"	"	"	"	"	"		"			
AG36933	WAP-2-DITCH-SW-1	"	1208	"	"	"	"	"	"		"			
AG39411	WAP-2-DITCH-SW-1-DUP	"	1213	"	"	"	"	"	"		"			
AG36890	WAP-14B	7/15/25	1023	ATH EA	1	1	1	GW	1		1			

Nutrients TOC, TOX, TKN-N, TP, O&G, NO3, Br, NO2, SO4

Gypsum Bulk Analysis, Wallboard, Paper, Joint Compound, Plaster, Sulfur, Chloride, Fluoride, Sulfite, USDA

Coal
- ☐ Short Prox.
  - ☐ % Moisture
  - ☐ Ash
  - ☐ Sulfur
  - ☐ BTUs
- Ultimate
  - ☐ Volatile Matter
  - ☐ CHN
  - ☐ HCl
- Other Analysis:
  - ☐ Fineness
  - ☐ Particulate Matter

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

NPDES
- ☐ Oil & Grease
- ☐ As
- ☐ TSS

Oil Trans. Oil Quality, Flashpoint, Color, Acidity, Dielectric Strength, PCB, Dissolved Gas, Used Oil, Fingerprint, Metals (As, Cd, Cr, Pb, Hg), GC/ECD

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

TCLP Metals (All) Ag, As, B, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Sb, Se, Sn, Tl, V, Zn, TCLP, XRF scan, RCRA 8 Metals (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-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: 734054 | GEL PM:

Received By: SLB | Date Received at GEL: 7-18-25

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).
1	21.0				

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?		✓	If "Yes" to A, B, or C, the following are required: Shipper/Consignor Sufficient Packing Description on COC. Radioactive Stickers on outer packaging. COC declared radioactive by client.
C Did the RSO classify the samples as radioactive?		✓	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 Mgr by?		✓	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

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

GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: 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

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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

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

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Certificate of Analysis

Report Date: 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

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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

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

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Company :	Santee Cooper
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Contact:	Ms. Jeanette Gilmetti
Project:	ABS Lab Analytical

Client Sample ID:	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

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

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Company :	Santee Cooper
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Contact:	Ms. Jeanette Gilmetti
Project:	ABS Lab Analytical

Client Sample ID:	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

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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

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Company :	Santee Cooper
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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

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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

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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

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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

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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

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

Client Sample ID:	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

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

Client Sample ID:	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

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

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Company :	Santee Cooper
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Contact:	Ms. Jeanette Gilmetti
Project:	ABS Lab Analytical

Client Sample ID:	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

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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

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Company :	Santee Cooper
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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

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Company :	Santee Cooper
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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

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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

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

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

Client Sample ID:	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

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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

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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

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

Client Sample ID:	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

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

Client Sample ID:	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

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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
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: 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.

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

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Certificate of Analysis

Report Date: 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

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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

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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

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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

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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

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

Client Sample ID:	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

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Company :	Santee Cooper
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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

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Company :	Santee Cooper
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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

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

Client Sample ID:	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

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Company :	Santee Cooper
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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

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Company :	Santee Cooper
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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

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

Client Sample ID:	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

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Company :	Santee Cooper
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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

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Company :	Santee Cooper
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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

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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
Sample ID: 711428019
Matrix: GW
Collect Date: 24-FEB-25 12:11
Receive Date: 28-FEB-25
Collector: Client

Project: SOOP00119
Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Ra228, Liquid "As Received"													
Radium-228	U	0.113	+/-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

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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

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Company :	Santee Cooper
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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

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

Client Sample ID:	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

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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

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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

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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

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

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Certificate of Analysis

Report Date: 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

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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

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

Client Sample ID:	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

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

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Certificate of Analysis

Report Date: 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
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: 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
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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
[signature]	36851	[signature]	GEL	2/28/25	0925
[signature]	GEL	[signature]	GEL	2-28-25	1543

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	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
[signature]	36851	[signature]	GEL	2/28/25	0825
[signature]	GEL	[signature]	GEL	2.28.25	1545

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
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Phone: (843)761-8000 Ext. 5148
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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

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Santee Cooper
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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

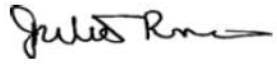
** Analyte is a surrogate compound

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
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:	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

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

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

Certificate of Analysis

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

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Certificate of Analysis

Report Date: July 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

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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

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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	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:	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	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:	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

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

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

731146

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	Kem	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=HNO_3 2=H_2SO_4 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 (is radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (is 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

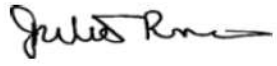
** Analyte is a surrogate compound

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

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

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Certificate of Analysis

Report Date: July 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

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

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Certificate of Analysis

Report Date: July 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

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

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Certificate of Analysis

Report Date: July 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

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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
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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											

Additional Analysis

Cyanide
- Available
- ALL
- TCC
- Amenable
- Sulfide Present
- Oil (Cyanide)
- Chlorine
- Solids
- pH
- Chlorine
- Diluted Sample
- Solids
- 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

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

Dissolved Gas
- Al
- Ca
- Fe
- K
- Mg
- Mn
- Na
- P
- S
- Si
- Sr
- Zn

Relinquished by:	Employee #	Received by:	Employee #	Date	Time
S. Levy	35594	[signature]	GEL	7/1/25	0950
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
[signature]	GEL	[signature]	GEL	7.1.25	1620/650
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:	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

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

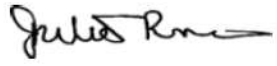
J Value is estimated

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
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	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

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

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Certificate of Analysis

Report Date: 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

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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

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

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Certificate of Analysis

Report Date: March 24, 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

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

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Certificate of Analysis

Report Date: March 24, 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

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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

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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

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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	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:	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

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	MDS 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

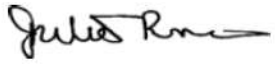
** Analyte is a surrogate compound

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

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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

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
Relinquished by:	Employee #	Received by:	Employee #	Date	Time
[signature]	GEL	[signature]	GEL	7.11.25	1633
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, 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

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 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

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171

gel.com

March 09, 2025

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

Re: ABS Lab Analytical
Work Order: 711654
SDG: 710235-1

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: 710235-1 GEL Work Order: 711654

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

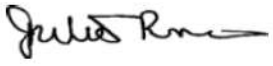
J Value is estimated

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 9, 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:	711654009	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 Chloride, Liquid "As Received"												
Chloride		6.44	0.0670	0.200	mg/L		1	CWW	03/04/25	2056	2759610	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

QC Summary

Report Date: March 9, 2025

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

Contact: **Ms. Jeanette Gilmetti**

Workorder: **711654**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Ion Chromatography										
Batch 2759610										
QC1206024748 711137002 DUP										
Chloride		29.8		29.8	mg/L	0.0486		(0%-20%)	CWW	03/04/25 22:00
QC1206024747 LCS										
Chloride	5.00			4.69	mg/L		93.8	(90%-110%)		03/04/25 14:02
QC1206024746 MB										
Chloride			U	0.0670	mg/L					03/04/25 13:31
QC1206024749 711137002 PS										
Chloride	5.00	5.97		11.2	mg/L		104	(90%-110%)		03/04/25 22:31

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

QC Summary

Workorder: **711654**

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

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.

General Chemistry
Technical Case Narrative
Santee Cooper
SDG #: 710235-1
Work Order #: 711654

Product: **Ion Chromatography**
Analytical Method: EPA 300.0
Analytical Procedure: GL-GC-E-086 REV# 37
Analytical Batch: 2759610

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

GEL Sample ID#	Client Sample Identification
711654009	AG25126
1206024746	Method Blank (MB)
1206024747	Laboratory Control Sample (LCS)
1206024748	711137002(NonSDG) Sample Duplicate (DUP)
1206024749	711137002(NonSDG) 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 1206024748 (Non SDG 711137002DUP) and 1206024749 (Non SDG 711137002PS) 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.

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	NDG 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): 0.6 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

Outlook

RE: Work Order 710235 Rerun for Chloride

From Tavia Harris <TAVIA.HARRIS@santeecooper.com>
Date Tue 3/4/2025 9:27 AM
To Max Gloth <Max.Gloth@gel.com>; Julie Robinson <Julie.Robinson@gel.com>; Team Robinson <Team.Robinson@gel.com>

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Thank you

Tavia Harris
QA/QC Senior Laboratory Specialist
Environmental Resources – Santee Cooper
843-761-8000 ext 5137

From: Max Gloth <Max.Gloth@gel.com>
Sent: Tuesday, March 4, 2025 9:23 AM
To: Tavia Harris <TAVIA.HARRIS@santeecooper.com>; Julie Robinson <Julie.Robinson@gel.com>; Team Robinson <Team.Robinson@gel.com>
Subject: [EXTERNAL SENDER] RE: Work Order 710235 Rerun for Chloride

No problem! I have relogged the sample for chloride reanalysis.

Thank you,

Max Gloth
Project Manager Assistant

GEL Laboratories LLC 40 YEARS

2040 Savage Road, Charleston, SC 29407
Office Main: 843.556.8171
E-Mail: max.gloth@gel.com | Website: www.gel.com
Analytical Testing

From: Tavia Harris <TAVIA.HARRIS@santeecooper.com>
Sent: Tuesday, March 4, 2025 9:20 AM
To: Max Gloth <Max.Gloth@gel.com>; Julie Robinson <Julie.Robinson@gel.com>; Team Robinson <Team.Robinson@gel.com>
Subject: RE: Work Order 710235 Rerun for Chloride

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

On second thought. Please just rerun AG25126. Sorry for the confusion. Thanks!

Tavia Harris
QA/QC Senior Laboratory Specialist
Environmental Resources – Santee Cooper
843-761-8000 ext 5137

From: Max Gloth <Max.Gloth@gel.com>
Sent: Tuesday, March 4, 2025 9:16 AM
To: Tavia Harris <TAVIA.HARRIS@santeecooper.com>; Julie Robinson <Julie.Robinson@gel.com>; Team Robinson <Team.Robinson@gel.com>
Subject: [EXTERNAL SENDER] RE: Work Order 710235 Rerun for Chloride

---

Good morning,

Would you like all samples in this work order to be reanalyzed for chloride?

Thank you,

Max Gloth
Project Manager Assistant

GEL Laboratories LLC 40 YEARS

2040 Savage Road, Charleston, SC 29407
Office Main: 843.556.8171
E-Mail: max.gloth@gel.com | Website: www.gel.com
Analytical Testing

From: Tavia Harris <TAVIA.HARRIS@santeecooper.com>
Sent: Tuesday, March 4, 2025 9:15 AM
To: Julie Robinson <Julie.Robinson@gel.com>; Team Robinson <Team.Robinson@gel.com>; Max Gloth <Max.Gloth@gel.com>
Subject: Work Order 710235 Rerun for Chloride

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Could I possibly request a rerun for chloride for work order 710235.

Thanks!

Tavia Harris
QA/QC Senior Laboratory Specialist
Environmental Resources – Santee Cooper
843-761-8000 ext 5137

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List of current GEL Certifications as of 09 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

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Preliminary 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 surrogate compound
** Analyte is a Tracer compound
J Value is estimated
U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. Results provided in this preliminary report have not had a final administrative review. Data should not be used for regulatory compliance until a final report has been issued.

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Certificate of Analysis

Report Date: March 7, 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

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Certificate of Analysis

Report Date: March 7, 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

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Certificate of Analysis

Report Date: March 7, 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

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Certificate of Analysis

Report Date: March 7, 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

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Report Date: March 7, 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	ND	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

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Report Date: March 7, 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	ND	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

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Report Date: March 7, 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	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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

Client Sample ID:	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

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Report Date: March 7, 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	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: March 7, 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	ND	0.0670	0.200	mg/L		1	TXT1	03/01/25	0627	2758487	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	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

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Report Date: March 7, 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	ND	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

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

Client Sample ID:	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	ND	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

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Certificate of Analysis

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

Client Sample ID:	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

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Certificate of Analysis

Report Date: March 7, 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

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Certificate of Analysis

Report Date: March 7, 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

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Certificate of Analysis

Report Date: March 7, 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

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Certificate of Analysis

Report Date: March 7, 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

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Certificate of Analysis

Report Date: March 7, 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

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Report Date: March 7, 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	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: March 7, 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

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Report Date: March 7, 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

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

Client Sample ID:	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	ND	0.0670	0.200	mg/L		1	TXT1	03/01/25	0945	2758488	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	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

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

Client Sample ID:	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

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

Client Sample ID:	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

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

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

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Report Date: March 7, 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

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Report Date: March 7, 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	ND	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	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Report Date: March 7, 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

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Report Date: March 7, 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	ND	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

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Report Date: March 7, 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	ND	0.0670	0.200	mg/L		1	TXT1	03/01/25	1601	2758488	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	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

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Report Date: March 7, 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	ND	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 7, 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	ND	U	ND	mg/L	N/A				03/01/25 06:59
Fluoride	U	ND	U	ND	mg/L	N/A				
Sulfate	U	ND	U	ND	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	ND	mg/L					02/28/25 22:29
Fluoride			U	ND	mg/L					
Sulfate			U	ND	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	ND		4.58	mg/L			91.7	(90%-110%)		03/01/25 07:31
Fluoride	2.50	U	ND		2.43	mg/L			97.1	(90%-110%)		
Sulfate	10.0	U	ND		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	ND	mg/L					03/01/25 02:57
Fluoride				U	ND	mg/L					
Sulfate				U	ND	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.

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

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	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
[signature]	36851	[signature]	GEL	2/28/25	0825
[signature]	6E6	[signature]	GEL	2.28.25	1545

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

GEL LABORATORIES LLC

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

Preliminary 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 surrogate compound
** Analyte is a Tracer compound
U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
J Value is estimated

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. Results provided in this preliminary report have not had a final administrative review. Data should not be used for regulatory compliance until a final report has been issued.

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

Certificate of Analysis

Report Date: March 3, 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	ND	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
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 3, 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	ND	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 3, 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
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 3, 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	ND	0.0670	0.200	mg/L		1	CH6	02/22/25	1258	2754790	1
Fluoride	U	ND	0.0330	0.100	mg/L		1					
Sulfate	U	ND	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

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

Certificate of Analysis

Report Date: March 3, 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 3, 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	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 3, 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

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Certificate of Analysis

Report Date: March 3, 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 3, 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 3, 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	ND	mg/L						02/21/25 17:55
Fluoride				U	ND	mg/L						
Sulfate				U	ND	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.

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	NDG 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).
Coder 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

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.

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.

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 - 4	**20.34**	7.81	**4- 24**	2/19/2025	1230	27.14

Final GW Depth:	8.25	**depth to GW (ft)**	-1.61	**Screen Submerged (ft)?**	
Drawdown:	0.44	**ft**	-0.94	**Silt Buildup (ft)**	
Ferric Iron:	0.2	**mg/L**	**15**	**Tubing Length (ft)**	
Ferrous Iron:	0.12	**mg/L**			

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1159	17.42	7.25	-29	415	21.2	5.11
1204	17.4	7.36	-58	359	11.2	0.63
1209	17.44	7.38	-68	354	6.6	0.51
1214	17.58	7.41	-75	352	5.7	0.43
1219	17.68	7.38	-79	351	4	0.38
1224	17.77	7.37	-80	351	3.9	0.34
1227	17.76	7.39	-83	351	3.4	0.33
1230	17.87	7.36	-82	351	3.8	0.3

Samples were collected by Aaron Hill 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 - 14	**14.69**	5.8	**9.5- 19.5**	2/20/2025	1012	22.56

Final GW Depth:	6.21	**depth to GW (ft)**	6.26	**Screen Submerged (ft)?**	
Drawdown:	0.41	**ft**	-1	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**	15	**Tubing Length (ft)**	
Ferrous Iron:	0.00	**mg/L**			

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
929	14.81	7.53	-321	5790	2.4	8.68
934	14.78	7.7	-378	5780	8.1	4.04
939	14.91	7.71	-389	5880	2.5	3.5
944	15.05	7.71	-395	5950	1.3	2.71
949	15.04	7.71	-398	5990	0.9	1.98
954	15.03	7.72	-400	6020	0.9	1.7
957	15.03	7.72	-400	6030	0.9	1.55
1000	15.03	7.71	-400	6040	0.8	1.38
1003	15.08	7.72	-400	6050	0.7	1.26
1006	15.2	7.72	-400	6050	0.6	1.12
1009	15.35	7.71	-400	6050	0.7	1.02
1012	15.17	7.72	-400	6060	0.8	0.94

Samples were collected by Aaron Hill and Dan Alexander

Comments/Conditions:

Pumped black water before plugging into horiba

Ferric Iron test, water was cloudy white?

* sodium metabisulfate in the ferric iron test reacts with the sulphur dioxide in the water to form sodium sulfide and precipates

DUP @ 1017

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 - 14A	**13.95**	5.21	**12'-22'**	2/20/2025	1400	25.45

Final GW Depth:	5.51	**depth to GW (ft)**	9.756	**Screen Submerged (ft)?**	
Drawdown:	0.3	**ft**	-0.484	**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)
1345	11.52	7.78	-327	5340	23.9	9
1350	13.61	7.34	-382	5000	11.8	0.57
1355	13.89	7.32	-380	4960	4.4	0.56
1400	14.11	7.31	-379	4970	4	0.56

Samples were collected by Aaron Hill and Dan Alexander

Comments/Conditions:

Pumped black water before plugging into horiba

Ferric Iron test turned cloudy white instead of orange ?

* sodium metabisulfate in the ferric iron test reacts with the sulphur dioxide in the water to form sodium sulfide and precipates

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 - 14B	**9.23**	5.34	**3'-13'**	2/20/2025	1320	16.32
Final GW Depth:	6.41	**depth to GW (ft)**		0.389	**Screen Submerged (ft)?**	
Drawdown:	1.07	**ft**		-0.591	**Silt Buildup (ft)**	
Ferric Iron:	1.64	**mg/L**		12	**Tubing Length (ft)**	
Ferrous Iron:	0.35	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1207	12.75	6.95	-235	3810	53.7	6
1212	12.76	6.99	-300	3740	54.5	1.01
1217	13.01	6.95	-364	3840	54.9	0.81
1222	12.96	6.96	-361	3870	58.5	0.81
1227	13	6.99	-359	3950	59.3	0.08
1232	12.97	7.02	-370	3990	60.1	0.08
1235	13	7.03	-374	4060	59.8	0.12
1238	13.07	7.04	-376	4080	58.8	0.12
1241	13.05	7.06	-375	4130	60	0.16
1244	13.08	7.07	-372	4180	60.7	0.16
1247	13.06	7.08	-368	4140	60.7	0.23
1250	12.92	7.08	-362	4170	59.7	0.19
1253	12.78	7.09	-361	4140	59.4	0.29
1256	12.98	7.09	-364	4260	57.9	0.26
1259	12.91	7.11	-367	4200	57.6	0.33
1302	12.85	7.11	-366	4250	57.8	0.28
1305	12.67	7.11	-364	4200	57.6	0.32
1308	12.83	7.12	-368	4270	57.2	0.39
1311	12.89	7.12	-369	4250	56.8	0.29
1314	12.79	7.12	-369	4250	55.5	0.38
1317	12.65	7.13	-367	4250	54.5	0.36
1320	12.65	7.14	-370	4350	54.5	0.36

Samples were collected by Aaron Hill and Dan Alexander

Comments/Conditions:

Pumped black water before plugging into horiba

** for ferric and ferrous iron tests water turned dark gray when left to sit ?

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 - 14C	**13.88**	10.51	**9.5'-19.5'**	2/20/2025	1144	23.21

Final GW Depth:	10.85	**depth to GW (ft)**	2.301	**Screen Submerged (ft)?**	
Drawdown:	0.34	**ft**	-0.399	**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)
1049	12.16	8.74	-242	2030	23.2	6.76
1054	13.06	7.75	-231	1810	122	0.69
1059	13.37	7.6	-227	1780	81.9	0.51
1104	13.55	7.51	-226	1750	63.6	0.44
1109	13.7	7.47	-224	1740	42.6	0.41
1114	13.76	7.42	-222	1720	30.7	0.38
1117	13.78	7.37	-220	1720	23.9	0.36
1120	13.77	7.34	-218	1710	25	0.35
1123	13.75	7.29	-216	1720	20.4	0.34
1126	13.76	7.27	-212	1730	19.8	0.32
1129	13.81	7.24	-210	1720	15.7	0.32
1132	13.84	7.19	-210	1710	14.9	0.31
1135	13.85	7.16	-208	1710	12.9	0.31
1138	13.85	7.13	-206	1710	11	0.3
1141	13.87	7.08	-203	1700	9.7	0.29
1144	13.86	7.06	-203	1720	10.4	0.3

Samples were collected by Aaron Hill 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 - 15	**20.41**	8.15	**10- 20**	2/19/2025	1133	23.69

Final GW Depth:	8.24	**depth to GW (ft)**	4.65	**Screen Submerged (ft)?**	
Drawdown:	0.09	**ft**	-0.889	**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)
1105	17.49	6.88	-33	3350	33.4	2.34
1110	17.1	6.49	-23	3460	40.9	0.85
1115	16.94	6.49	-24	3480	47.5	0.74
1120	17.18	6.49	-26	3510	40.5	0.42
1125	17.21	6.51	-28	3520	35.2	0.39
1130	17.34	6.52	-31	3540	31.9	0.36
1133	17.34	6.53	-32	3540	28.9	0.36

Samples were collected by Aaron Hill 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 - 16	**25.08**	11.54	**9- 19**	2/19/2025	933	22.46
Final GW Depth:	11.49	**depth to GW (ft)**		0.1	**Screen Submerged (ft)?**	
Drawdown:	-0.05	**ft**		-0.819	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**		15	**Tubing Length (ft)**	
Ferrous Iron:	+++	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
856	18.2	6.49	-39	2190	107	2.08
901	17.56	6.62	-75	2190	94.8	1.12
906	17.42	6.64	-80	2160	21.7	0.89
911	17.64	6.66	-82	2140	19.9	0.75
916	17.92	6.68	-83	2090	14.1	0.66
921	18.1	6.69	-83	2060	12.4	0.6
924	18.58	6.71	-85	2030	12.2	0.65
927	18.39	6.72	-86	2000	8.5	0.56
930	18.39	6.72	-86	1990	8	0.54
933	18.36	6.72	-86	1990	8.5	0.51

Samples were collected by Aaron Hill 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 - 29	**12.34**	7.42	**7'-17'**	2/20/2025	907	19.9

Final GW Depth:	7.44	**depth to GW (ft)**	1.87	**Screen Submerged (ft)?**	
Drawdown:	0.02	**ft**	-0.61	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**	**15**	**Tubing Length (ft)**	
Ferrous Iron:	3.02	**mg/L**			

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
839	15.93	5.93	43	2690	12.1	1.35
844	15.27	6.18	4	2670	8.7	0.82
849	15.32	6.2	-4	2620	7.9	0.68
854	15.28	6.21	-9	2730	7.9	0.58
859	15.26	6.24	-14	2800	7.4	0.52
904	15.2	6.25	-16	2850	5.5	0.47
907	15.28	6.26	-17	2860	5.2	0.45

Samples were collected by Aaron Hill 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)
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 - 4	**20.34**	7.46	**4- 24**	6/26/2025	1533	27.14
Final GW Depth:	7.69	**depth to GW (ft)**		-1.26	**Screen Submerged (ft)?**	
Drawdown:	0.23	**ft**		-0.94	**Silt Buildup (ft)**	
Ferric Iron:	0.42	**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)
1513	23.99	6.88	-51	386	6.3	1.97
1518	23.51	7.11	-95	377	0.6	0.83
1523	23.21	7.22	-102	365	0	0.62
1528	23.06	7.27	-104	364	2.3	0.56
1533	23.06	7.29	-109	361	1.5	0.52

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 - 14	**14.69**	6.02	**9.5- 19.5**	7/9/2025	1218	22.43

Final GW Depth:	6.36	**depth to GW (ft)**	6.04	**Screen Submerged (ft)?**	
Drawdown:	0.34	**ft**	-0.87	**Silt Buildup (ft)**	
Ferric Iron:	0.93	**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)
1158	26.88	8.04	-368	4960	0	4.88
1203	26.6	7.7	-401	4910	2.1	0.78
1208	26.26	7.66	-408	5080	2.2	0.69
1213	26.23	7.66	-410	5150	2.2	0.65
1218	26.26	7.65	-410	5180	2.6	0.64

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions:

Dup was taken at 1223

* sodium metabisulfate in the ferric iron test reacts with the sulphur dioxide in the water to form sodium sulfide and precipates

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 - 14A	**13.95**	5.67	**12'-22'**	7/9/2025	1130	25.6

Final GW Depth:	5.78	**depth to GW (ft)**	9.3	**Screen Submerged (ft)?**	
Drawdown:	0.11	**ft**	-0.63	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**	**18**	**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)
1110	26.42	7.12	-338	4670	5	1.55
1115	26.07	7.19	-367	4840	4.2	0.73
1120	26.24	7.21	-383	4910	3.3	0.71
1125	26.43	7.22	-386	4890	3.4	0.75
1130	26.7	7.23	-388	4850	3.6	0.73

Samples were collected by Ashton Poole

Comments/Conditions:

* sodium metabisulfate in the ferric iron test reacts with the sulphur dioxide in the water to form sodium sulfide and precipitates

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 - 14B	**9.23**	5.26	**3'-13'**	7/15/2025	1023	16.34

Final GW Depth:	6.26	**depth to GW (ft)**	0.47	**Screen Submerged (ft)?**	
Drawdown:	1	**ft**	-0.61	**Silt Buildup (ft)**	
Ferric Iron:	0.37	**mg/L**	12	**Tubing Length (ft)**	
Ferrous Iron:	0.16	**mg/L**			

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
934	20.5	6.65	-189	3710	20.7	1.4
939	21.41	6.81	-249	3760	24.8	0.99
944	21.77	6.82	-288	3850	11.5	0.98
949	21.81	6.85	-329	3890	47.5	0.95
954	21.87	6.89	-342	3950	64.6	0.91
959	22.08	6.93	-349	3990	57.9	0.91
1002	22.22	6.94	-351	4030	48.6	0.9
1005	22.4	6.96	-353	4060	44.4	0.89
1008	22.46	6.97	-354	4070	36.4	0.88
1011	22.57	6.99	-357	4090	31.2	0.87
1014	22.69	7	-356	4120	26.9	0.86
1017	22.79	7.01	-357	4130	22.3	0.86
1020	22.96	7.03	-358	4160	18.8	0.84
1023	23.09	7.04	-360	4150	16.7	0.83

Samples were collected by Aaron Hill and Evan Amick

Comments/Conditions:

** for ferric and ferrous iron tests water turned dark gray when left to sit ?

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 - 14C	**13.88**	10.53	**9.5'-19.5'**	7/9/2025	1319	23.15

Final GW Depth:	10.81	**depth to GW (ft)**	2.28	**Screen Submerged (ft)?**	
Drawdown:	0.28	**ft**	-0.34	**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)
1248	27.26	8.02	-207	1740	8.3	5.53
1253	26.47	7.47	-200	1630	5	0.66
1258	26.1	7.35	-199	1570	16.5	0.54
1303	26.34	7.33	-199	1550	14.6	0.47
1308	26.49	7.3	-194	1550	9.8	0.45
1313	26.92	7.29	-194	1540	5	0.4
1316	27.16	7.27	-191	1520	4.4	0.38
1319	27.12	7.25	-188	1500	3.4	0.37

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 - 15	**20.41**	7.22	**10- 20**	7/8/2025	1340	23.64

Final GW Depth:	7.66	**depth to GW (ft)**	7.17	**Screen Submerged (ft)?**	
Drawdown:	0.44	**ft**	0.75	**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)
1312	24.95	6.83	-70	3320	39.5	1.45
1317	25.79	6.85	-87	3380	26.6	3.24
1322	25.99	6.87	-90	3380	10.3	2.64
1327	25.87	6.87	-91	3290	5.8	3.02
1332	25.77	6.87	-92	3400	3.5	2.41
1337	25.45	6.85	-91	3420	3.2	2.55
1340	25.33	6.85	-91	3440	2.7	2.69

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 - 16	**25.08**	10.25	**9- 19**	7/9/2025	1427	22.4
Final GW Depth:	11.22	**depth to GW (ft)**		1.39	**Screen Submerged (ft)?**	
Drawdown:	0.97	**ft**		-0.76	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**		**15**	**Tubing Length (ft)**	
Ferrous Iron:	+++	**mg/L**				

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1353	25.36	6.92	-97	2160	19.5	3.78
1358	25.37	6.78	-103	2140	7.8	0.64
1403	25.13	6.79	-106	2100	2.5	0.5
1408	24.81	6.79	-107	2060	2.2	0.46
1413	24.69	6.79	-109	2010	1.6	0.36
1418	24.43	6.79	-109	1980	2	0.34
1421	24.46	6.81	-110	1960	1.7	0.3
1424	24.23	6.82	-110	1950	3	0.3
1427	24.19	6.82	-110	1950	3.1	0.28

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 - 29	**12.34**	7.3	**7'-17'**	7/8/2025	1434	20.19

Final GW Depth:	7.38	**depth to GW (ft)**	1.99	**Screen Submerged (ft)?**	
Drawdown:	0.08	**ft**	-0.9	**Silt Buildup (ft)**	
Ferric Iron:	+++	**mg/L**	**15**	**Tubing Length (ft)**	
Ferrous Iron:	+++	**mg/L**			

Time	Temp (celcius)	pH (units)	Eh ORP (mV)	Spec Cond (uS/cm)	Turbidity (NTU)	Dissolved Oxygen (ppm)
1409	30.23	6.31	-9	2460	13.1	0.91
1414	29.54	6.17	-4	2430	5.5	0.46
1419	29.36	6.18	-8	2470	1.6	0.4
1424	29.16	6.19	-11	2540	1.3	0.35
1429	29.01	6.2	-13	2580	1.8	0.32
1434	28.87	6.2	-13	2590	1.5	0.29

Samples were collected by Ashton Poole and Evan Amick

Comments/Conditions: