2022 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT CLOSED GYPSUM POND CROSS GENERATING STATION

by Santee Cooper Moncks Corner, South Carolina

January 31, 2023

Amended: March 2, 2023

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1. Annual Groundwater Monitoring Report Summary

The South Carolina Public Service Authority (Santee Cooper) has prepared this 2022 Annual Groundwater Monitoring Corrective Action Report for the Closed Gypsum Pond at the Cross Generating Station (CGS). This 2022 Annual Report was prepared to comply with the United States Environmental Protection Agency (EPA) Hazardous and Solid Waste Management System; Disposal of Coal Combustion Residuals (CCR) from Electric Utilities, Title 40 Code of Federal Regulations (CFR) Part 257, Subpart D dated April 17, 2015 (CCR Rule), specifically subsection § 257.90(e)(1) through (6).

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

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

At the start of the current annual reporting period (January 1, 2022), Santee Cooper was operating under a Detection Monitoring program in accordance with § 257.94.

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

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

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

To report on the activities conducted during the prior calendar year and document progress complying with

the CCR Rule, the specific requirements listed in § 257.90(e)(1) through (5) are provided in the next section in bold/italic type followed by a short narrative stating how that specific requirement was met.

2. 40 CFR § 257.90 Applicability

2.1 40 CFR § 257.90(a) and (c)

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

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

The Closed Gypsum Pond at CGS is subject to the groundwater monitoring and corrective action requirements set forth by the EPA in 40 CFR § 257.90 through § 257.98. This document satisfies the requirement under § 257.90(e) which requires the CCR landfill Owner/Operator to prepare an Annual Groundwater Monitoring and Corrective Action Report.

2.2 40 CFR § 257.90(e) – SUMMARY

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

This Annual Groundwater Monitoring and Corrective Action Report documents the activities completed in 2022 for the Closed Gypsum Pond as required by the CCR Rule Groundwater Monitoring and Corrective Action regulations. Groundwater sampling and analysis was conducted per the requirements of § 257.93, and the status of the groundwater monitoring program, as set forth in § 257.94 and § 257.95, is provided in this report.

2.2.1 Status of the Groundwater Monitoring Program

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

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

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

2.2.2 Key Actions Completed

The following key actions were completed in 2022:

- Prepared 2021 Annual Report including:
 - The Annual Report was placed in the facility's operating record pursuant to § 257.105(h)(1);
 - Pursuant to § 257.106(h)(1), the notification was sent to the relevant State Director within 30 days of the Annual Report being placed in the facility's operating record [§ 257.106(d)];
 - Pursuant to § 257.107(h)(1), the Annual Report was posted to the CCR Website within 30 days of the Annual Report being placed in the facility's operating record [§ 257.107(d)];
- Re-certified the groundwater monitoring network in accordance with § 257.91(f) after confirming localized groundwater flow direction in the vicinity of the Closed Gypsum Pond;
- Collected and analyzed three rounds of groundwater monitoring (January, June, and October) (Table 1 & Appendix B) in accordance with § 257.94, § 257.95(b), and § 257.95(d)(1) and recorded the concentrations in the facility's operating record as required by § 257.95(d)(1).
- Completed statistical evaluation on January results to determine if SSIs of one or more of the Appendix III constituents are present downgradient of the Closed Gypsum Pond (Appendix A).
- Installed a new monitoring well (CGYP-7) and initiated collecting eight independent samples to
 establish a baseline prior to including in the statistical evaluations. CGYP-7 will be added to the
 compliance groundwater monitoring network after collecting eight samples. Well installation
 records are provided in Appendix C.
- Improved the potentiometric surface characterization of the uppermost aquifer given changing site conditions by:
 - Revising the groundwater elevation measurement procedure by collecting site-wide synoptic rounds of water levels within a 48-hour period prior to initiating semi-annual sampling of the groundwater monitoring wells. Groundwater elevation measurements continued to be collected in each well immediately prior to collecting the sample.
 - A South Carolina Certified Well Driller installed piezometers CGSPZ-1, CGSPZ-2, and CGSPZ-3 in November 2022, to improve the elevation dataset to the south and east of the Closed Gypsum Pond. Well installation records are provided in Appendix C.

- The water surface elevations of unlined ponds were surveyed at approximately the same time as the semi-annual monitoring events. Unlined ponds are sources of hydraulic head and groundwater recharge; therefore, it is appropriate to include pond surface water elevations in the potentiometric interpretation of the uppermost aquifer.
- Evaluated turbidity trends in sitewide wells and identified wells to be redeveloped by a certified
 well driller to remove buildup of sediment fines on the well screens. Well redevelopment was
 conducted in November 2022. Success of redevelopment will be monitored during 2023 sampling
 events.
- Updated the CGS GMP in December 2022 to make general revisions and improvements to reflect additional monitoring wells and locations and hydrogeology changes due to site construction and impoundment closures.

2.2.3 Problems Encountered

There were multiple laboratory issues encountered in 2022 which contributed to longer than average turnaround time to receive results analytical results and variability with the lowest achievable reporting limits. Santee Cooper's internal laboratory, Analytical Services, is certified by the state of South Carolina to run most of the analyses on Appendix III and Appendix IV constituents for groundwater except for mercury and radium 226/228. However, the inductively coupled plasma – mass spectrophotometer (ICP-MS) that analyzes the Appendix IV metals was broken and irreparable at the beginning of 2022. A new ICP-MS was ordered and delivered in April 2022 but was non-operational upon delivery. For the January sampling event, the samples were held at the Analytical Services' lab while repairs were attempted on the instrument. In the meantime, Analytical Services began to analyze the samples on the inductively coupled plasma – optical emission spectroscopy (ICP-OES) but was unable to achieve the appropriate reporting limits because it ran a different analytical method (EPA SW-846 6010D instead of 6020B). When initial repairs were unsuccessful on the ICP-MS, the samples were sent to a third-party laboratory certified by the state of South Carolina (Eurofins Savannah), approximately two and a half months after sample collection. Eurofins Savannah returned the analytical results approximately two weeks after receipt.

Upon receipt and review of the analytical results for the January sampling event, the non-detect reporting limits for background monitoring well PM-1 (Sample ID #AF24801) were greater than the GWPS for beryllium and thallium. At the time these results were received and validated in May 2022, there was no remaining sample volume for PM-1. Additionally, too much time had passed for a confirmatory resample to be of value. Given the historical data for PM-1 and the fact that the other analytes were below the GWPS for the January/February and the June 2022 results, it was concluded these non-detect values for beryllium and thallium do not represent an exceedance of the GWPS. However, this did not impact the CGS Closed Gypsum Pond given that it was in Detection Monitoring at that time and not required to evaluate beryllium and thallium which are Appendix IV constituents for Assessment Monitoring.

For the June sampling event, the samples were again held at the Analytical Services' lab while ongoing repairs were attempted on the ICP-MS, which were ultimately unsuccessful. After approximately six weeks, Analytical Services sent the samples to a third-party lab that is certified by the state of South Carolina to analyze Appendix IV metals (Rogers & Callcott) because they had a quicker turnaround time than Eurofins Savannah. Rogers & Callcott was unable to meet the required reporting limit for antimony. The remaining sample volumes were returned to Santee Cooper. Upon receipt, Analytical Services sent the samples to Eurofins Savannah. The lowest achievable reporting limits are variable due to utilizing

different laboratories, however all non-detect reporting limits were below the required GWPS for the June samples.

2.2.4 Actions to Resolve Problems

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

Given the non-detect reporting limit exceedances of GWPS and higher than historical reporting limits in the background well during the January 2022 sampling event, a third sitewide sampling event was conducted in October 2022 (at the same time as the second Assessment Monitoring event for the Closed Gypsum Pond). This third dataset ensured there were at least two datasets that met all required reporting limits for the 2022 calendar year. This will prevent inflating statistical background limits when the tolerance limits for PM-1 are updated in 2023 in accordance with *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, March 2009 (Unified Guidance)*.

2.2.5 Project Key Activities for Upcoming Year

Key activities to be completed in 2023 will include the following:

- Prepare the 2022 annual report; place it in the record as required by § 257.105(h)(1), notify the Relevant State Director [§ 257.106(d)]; and post to the facility's publicly available CCR website [§ 257.107(d)].
- Conduct semi-annual groundwater monitoring consistent with § 257.95(d)(1) and in accordance with the CGS GMP.
- Continue to collect independent samples on a bimonthly basis for CGYP-7 to establish a statistically representative dataset. CGYP-7 will be added to the CCR Rule compliance groundwater monitoring network after collecting eight samples.
- Update the statistical upper tolerance limits for background wells PM-1 and CBW-1 in accordance with the Unified Guidance.
- Conduct statistical analysis of Assessment Monitoring analytical data to determine if SSLs of the detected Appendix IV constituents are above the established GWPS. If so, initiate activities required under § 257.95(g) and § 257.96.
- Continue to improve the potentiometric surface characterization of the uppermost aquifer given changing site conditions by:
 - Increasing the sitewide synoptic water level measurements from two (2) to four (4) times per year (on a quarterly basis and in conjunction with the semi-annual groundwater monitoring events).
 - Continue collecting surface water elevations from unlined ponds, also on the same quarterly basis as the sitewide synoptic water level measurements.

2.3 40 CFR § 257.90(e) – Information

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

2.3.1 40 CFR § 257.90(e)(1)

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

As required by § 257.90(e)(1), a map showing the location of the Closed Gypsum Pond and associated upgradient and downgradient wells is presented as Figure 1.

2.3.2 40 CFR § 257.90(e)(2)

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

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

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

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

2.3.3 40 CFR § 257.90(e)(3)

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

In accordance with § 257.94(b), at least two independent samples from each background and downgradient monitoring well were collected and analyzed. A summary table including the sample names, dates of sample collection, reason for sample collection, and monitoring data obtained for the groundwater monitoring program for the Closed Gypsum Pond is presented in Table 1 of this report. In addition, as required by § 257.95(d)(3), Table 1 includes the GWPS established under § 257.95(d)(2). Laboratory analytical data reports, along with field sampling forms, are provided in Appendix B to this report. A third sampling event was conducted in October 2022 for the reasons previously outlined. Although the results were returned from the certified laboratories and validated prior to December 31, 2022, the statistical evaluations were not completed in 2022. Results from the corresponding statistical

evaluations will be completed and included in the 2023 Annual Groundwater Monitoring and Corrective Action Report.

2.3.4 40 CFR § 257.90(e)(4)

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

The groundwater monitoring program transitioned from detection monitoring to assessment monitoring in 2022. A summary of the evolution of the monitoring programs is provided in this section. Statistical memos are provided in Appendix A.

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

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

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

2.3.5 40 CFR § 257.90(e)(5)

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

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

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

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

Finally, we improved the potentiometric surface characterization of the uppermost aquifer by collecting site-wide synoptic water levels, installing new piezometers (details in previous sections), and collecting water elevations in unlined ponds. We revised the groundwater elevation measurement procedure by collecting site-wide synoptic rounds of water levels within a 48-hour period prior to initiating semi-annual sampling of the groundwater monitoring wells. Groundwater elevation measurements continued to be collected in each well immediately prior to collecting the sample. Additionally, the water surface elevations of unlined ponds were surveyed at approximately the same time as the semi-annual monitoring events. Unlined ponds are sources of hydraulic head and groundwater recharge; therefore, it is appropriate to include pond surface water elevations in the potentiometric interpretation of the uppermost aquifer. Groundwater flow rate and direction are provided as Figures 2 and 3 for each sampling event as specified in § 257.93(c).

TABLES

TABLE 1 - Summary of Analytical Results Cross Generating Station Closed Gypsum Pond Detection & Assessment Monitoring 2022

			1			Appendi	x III Cons	tituents												Appe	endix IV Co	nstituent	S											Field	Parameters			
Well ID	Purpose	Date of Samp Event	E Laboratory Sample ID Number	201	Boron Calciur		Fluoride			e	Antimony	Arsenic	Bar	rium	Berylliun	n	Cadmium	Ch	romium	Cobalt	Fluoride			Lithium	Mercury	Molybdenum	Radium 226	Radium 228	Radium 226/Radium 228 Combined	Selenium	Thallium	Depth to Groundwater	Groundwater Elevation		Temperature	Oxidation Reduction Potential	Turbidity	D issolved Oxygen
				Unit Method	ug/L mg/L EPA EPA 6010 6010D	mg/L OD EPA 300.	mg/L D EPA 300.	mg/L .0 EPA 300	mg/L 0.0 SM 2540C	SU	Ug/L Ug/L EPA EPA 6010D 6020B (ug/L ug/L EPA EPA 6010D 6020B	ug/L EPA 6010D	ug/L EPA 6020B	Ug/L U EPA E 6010D 60	Ig/L U PA E 120B 60	ug/L ug/ PA EP 010D 6020	L ug/L A EPA DB 6010D	Ug/L Ug EPA EF 6020B 601	/L ug/L PA EPA OD 6020B	mg/L EPA 300.0	ug/L EPA 6010D	ug/L EPA 6020B	ug/L EPA 6010D	ug/L EPA 7470	ug/L E PA 6010D	pCi/L EPA 903.1 Mod	pCi/L EPA 904.0	pCi/L EPA 903.1 Mod	ug/L ug/L EPA 6010D EPA 602	Ug/L 0B EPA 6020B	Feet (htnc) ⁴	Feet (msl) ⁴	SU us	С	mv	NTU	ppm
				GWPS/ USEPAMCL/		5 75 7	4.00		1000	055	25.0	16.0	20	300	4.00		5.00	A	100	6.00	4.00	15	i.0	40.0	2.00	100	5550	. 550 0	16.3	50.0	2.00	==	==	0555		9 222 9	0.775	255
0.000	Site Backgrou			***		JL																															1	1
PM-1	Background Background		2 AF 3 690		11.0 14 <15.0 6.	4.4 12 .20 13	.1 <0.10	00 11		29 5.19 38 4.84	<10.0 <5.00	<10.01 <5.00	76.0	9		<5.00 <0.500	<4.00	5.00 <10	.0 «5.00 ·	(5.00	<0.10 00 <0.10	<10.0	-	3.70 ≪10.0	<0.200 ≼0.200	<5.00 <10.0		0.540		<0.00	.00 <10.0	0 8.32 0 9.00	74.9	5.19 146 4.84 88.0	19	5 45. 9 -54.		0 1.6
M-1	Background		2 AF 4763		43.7 13		7 <0.10			25 5.01	<5.00	<3.00		85.1		< 0.500	<0	.500	<5.00	1.8		10.0	< 2.50	110.0		<5.00				<20.0	0.0 <1.0	0 8.19		5.01 121				0 0.78
PM-1	total samples				3	3	3	3	3	3 3	1 2	1 2	2 2	1	0	3	1	2	1 2	1	2	3 2	1	3	3	3	3		3 3	1	2	3 3	3	3 3		3	3	3
BW-1	Paulmound	4714700	AE 2 477		13.0	70 21	14 0.20	nn en	10 10	80 426	<5.00	<3.00	27.7	4		£0.500	en.	500	~5.00	0.73	20 0.22		2.70	0.880	×0.200	<5.00	0.640	1.80	2.44	-1	50 210	0 101	75.0	4.26 222	19	6 24	0 21	4 44
BW-1	Background Background	6/20/202	2 AF3687	6	15.0 29	7.9 3.2	79 0.22	80 78		4.45	<5.00 <5.00	<5.00 <5.00	31.1			< 0.500	<4.00	.500	<5.00 ≤5.00	9.73 <1.0	0.22	<10.0	2.70	€10.0	<0.200 ≤0.200	<5.00 <10.0			7 1 98		5.0 <1.0 <1.0	0 10.2	74.2	4.45 1.00	26	n 24	2 90	3 62
BW-1	Background	10/25/202	2 AF 4763	2	20.3 27	7.5 3.7	78 <0.10	00 80		0 4.31	<5.00	<3.00		46.6		<0.500	<0	.500	<5.00	0.63			3.20	<5.00	<0.400	<5.00		1.88	3 2.51	<1	0.0 <1.0	0 10.4	75.4	4.31 190	24	3 30	0	0 0.76
BW-1	total samples				3	3	3	3	3	3 3	0 3	0 3	3 2	1	0	3	1	2	0 3	0	3	3 1	2	3	3	3	3	1.5	3	1	2	3	3	3 3		3	3	3
	Gypsum Pon-	nd Welk	1	+	+ + -				1	+								-	+ +	_				\rightarrow			5		3 8		+				l			+
CGYP-1	D etection		2 AF 2 478	8	9840 2	29 71	7 0.90	00 45	51 191	2 4.21	<5.00	14.6	30.1			11.2	<0	.500	<5.00	9.31	0.90	1	5.60	18.3	<0.200	<5.00	0.950	5.86	6.81	1	8.0 <1.0	0 17.9	74.0	4.21 3010	20	1 22	4	0 0.41
CGYP-1	Assessment	6/21/202	2 AF3688	8	4200 2	200 68	36 0.91	10 35	59 177	1 4.28	<5.00	<10.0	23.0			6.00	<4.00		<5.00	33	3.0 0.91	<10.0		<10.0	<0.200	<10.0	1.40	2.88	3 4.28	<50.0	<1.0	0 17.7	74.2	4.28 15.0	25	6 17	2 94	.8 4.7
CGYP-1	Assessment	10/26/202	2 AF 4764	6	12600 1	93 73	33 0.53	30 45	58 189	94 4.01	<5.00	4.72		46.9		11.2		2.20	<5.00	52	2.3 0.53		8.90	8.93	<0.200	<5.00	1.40			2	6.0 <1.0	0 16.7	75.2	4.01 2320	25		4 3.1	0.68
CGYP-1	total samples				3	3	3	3	3	3 3	0 3	1 2	2	1	0	3	1	2	0 3	1	2	1	2	3	3	3	3		3 3	1	2	3 3	3	3 3		3	3	3
						Tili:	iii	717						1		- 4	3					i i							Mi -			î			Ti-			
CGYP-2	D etection	1/31/202	2 AF2478	9	510 2	26 63	.0 0.28	80 102	20 158	3.96	<5.00	16.5	12.5			4.00	<0	.500	<5.00	6.44	0.28	19.0		10.9	<0.200	<5.00	1.07	2.33	3.40	1	4.0 <1.0	0 9.4	75.5	3.96 1670	20	4 26	4	0 0.35
CGYP-2	Duplicate	1/31/202	2 AF 2479	0	507 2	21 64	.2 0.29	90 89	96 146	34	<5.00	17.8	12.3			4.30	<0	.500	<5.00	22	2.2 0.29	19.0		11.2	<0.200	<5.00	0.560	2.46	3.01	1	4.0 <1.0	0			1			T
CGYP-2	Assessment	6/21/202	2 AF3688	9	570 2	240 66	.4 0.93	30 88	81 140	08 4.01	<5.00	<5.00	<10.0			3.00	<4.00		<5.00	18	3.0 0.93	<10.0		<10.0	<0.200	<10.0	0.891	1.50	2.39	<50.0	<1.0	0 10.7	74.2	4.01 12.0	29	4 23	9 63	.7 4.16
CGYP-2	Duplicate	6/21/202	2 AF3689	0	570 2	240 67	.5 0.85	50 87	70 141	11	<5.00	<5.00	<10.0			3.00	<4.00		<5.00	18	3.0 0.85	<10.0		<10.0	<0.200	<10.0	0.581	1.02	2 1.60	<50.0	<1.0	0					Ä.	T
CGYP-2	Assessment	10/25/202	2 AF 4764	7	1140 2	14 57	.3 0.42	20 91	14 145	3.80	<5.00	<3.00)	18.3	6	4.30		1.40	<5.00	21	1.5 0.42		25.1	<5.00	<0.200	<5.00	0.708	4.41	5.12	2	7.0 <1.0	0 9.44	75.4	3.80 1560	27	3 27	6 1.0	0.640
CGYP-2	Duplicate	10/25/202	2 AF 4764	8	1050 2	213 57	.5 0.55	50 91	19 148	31	<5.00	<3.00)	17.8		4.00		1.70	<5.00	20	0.4 0.55		24.3	<5.00	<0.200	<5.00	0.665	3.69	9 4.35	2	8.0 <1.0	0					3	
CGYP-2	total samples				6	6	6	6	6	6 3	0 6	2 4	4	2	0	6	2	4	0 6	1	6	4	2	6	6	6	6		6	2	4	6	3	3 3		3	3	3
CGYP-3	D etection	1/31/202	238 Feb. 25 c. 35	201		663 116	201	532EH II - 127	98 341		<5.00	16.9	24.6		33.9		<10.0	<10		50.4	0.81	24.4		100	<0.200	<5.00	0.784	10000	30 II - 2000001		4.0 <1.0	0 8.09	20000	3.84 4760	20	33.0	3	0 0.39
CGYP-3	Assessment	6/21/202		20,	5555		10	.94 96	66 295		<5.00	<10.0	17.0			C0.5000	<4.00		<5.00	55	5.0 1.9	11.0		29.0	<0.200	<10.0	1.10	4.26	E	1021000	<1.0	0 9.55	74.4		27	6 20		J 1.93
GYP-3 CGYP-3	Assessment	10/25/202	2 AF 4764	9	16600 4	115 84	12 1.0	.06 88	85 283	35 3.56	<5.00	7.00		42.2	4	34.5		1.90	9.00	95	5.6 1.0		29.8	51.7	<0.200	<5.00	0.568	6.11	6.68	1	9.0 <1.0	0 8.30	75.7	3.56 3800	26	6 27	5	0 0.65
,61F-3	total samples				3	3	3	3	3	3 3	0 3	1 4	2	1	- 1	2	- 2	-1	1 2	1	2	2		3	3	3	3		3	1		3	3	3 3		3	3	4—
GYP-4	D etection	1/31/202	2 AF 2479	12	6210 2	254 50	23 0.63	70 57	75 186	34 3,9n	<5.00	8.00	25.0		16.6		«Π	.500	<5.00	16.8	0.67	11.3		64.2	<0.200	<5.00	1.25	3.60	4.85	<5	.00 <1.0	0 7.30	76.2	3.90 2610	20	7 27	5	0 0.35
GYP-4	Assessment	6/21/202	6		4300 2	- 11/	15 1.5		76 167		<5.00	<10.0	19.0			13.0	<4.00		<5.00	33				39.0	<0.200	<10.0					<1.0	0 8.33		3.89 2270	24	_		0 0.74
GYP-4	Assessment	30,953,634,7830	2 AF 4765	(A)	- 1000 A	110	95 0.99	224 50	25.50	35 3.69	<5.00	4.10	(3)515.	30.6		18.8	(2)(0)(0)	800	<5.00	41	9839		13.4	71.2	<0.400	<5.00	\$27950EG	12/3/12/02	12 12 12 12 12 12 12 12 12 12 12 12 12 1	EU0.000	56 <1.0	0 7.58	1.0000	3.69 2190			100	100
CGYP-4	total samples	10.23/202	1		3	3	3	3	3	3 3	0 3	0 3	2	1	1	2	1	2	0 3	1	2	2	1	3	3	3	3	3.00	3 3	1	2	3	3	3 3		3	3	3
CGYP-6	Detection	1/31/202	2 AF 2479	3	6200 3	862 93	37 0.36	60 12	28 237	9 3.93	<5.00	<3.00	258		23.7		<0	.500	<5.00	114	0.36	10.5		128	<0.200	<5.00	0.525	2.92	2 3.44	<5	.00 <1.0	0 7.97	75.3	3.93 3390	22	0 29	17	0 0.29
CGYP-6	Assessment	6/21/202	2 AF 3689	13	6100 4	30 107	70 0.93	30 10	06 321	0 3.82	<5.00	<10.0	290			19.0	<4.00		<5.00	11	17 0.93	<10.0		100	<0.200	<10.0	2.04	2.25	5 4.30	<50.0	<1.0	0 8.90	74.3	3.82 3340	27	4 24	6	0 0.46
CGYP-6	Assessment	10/25/202	2 AF 4765	1	5710 3	370 89	96 0.49	90 89	9.3 290	3.56	<5.00	<3.00		465		27.0	0	.600	<5.00	15	56 0.49)	2.80	148	<0.200	<5.00	2.15	4.02	2 6.17	<2	.50 <1.0	0 7.92	75.3	3.56 3460	24	6 27	5	0 0.69
CGYP-6	total samples				3	3	3	3	3	3 3	0 3	0 3	2	1	1	2	1	2	0 3	1	2	2	1	3	3	3	3	3	3 3	1	2	3	3	3 3		3	3	3
			1						1																													
GYP-7	Baseline		2 AF 4765		11800 3		97 0.66	.00	94 254		<5.00	6.00		28.1		11.7		3.20	<5.00	79	222		55.1	7.85	1,000,000	<5.00					6.0 <1.0	0 10.0		3.69 3840	24			
GYP-7	Baseline	12/7/202		3.3			s1 <0.10	72 2	20 255	_	<5.00	6.10	1	24.8		11.6		3.00	<5.00	75	NO. 10 10 10 10 10 10 10 10 10 10 10 10 10	5 5	47.3	<5.00	536//33	<5.00	6 (33)		3 1		5.8 <1.0	0 10.1	85.5	3.85 3610	21	7 29	0.60	0 0.26
CGYP-7	Duplicate	12/7/202	2 AF 5 0 6 0	9	11500 3	807 80	0.10	UU 99	97 254	14	<5.00	9.20		24.9		14.7		2.20	<5.00	78	3.6 <0.10		48.3	<5.00	<0.200	<5.00	4.03	2.04	4 6.07	5	6.9 <1.0	0						
CGYP-7	total samples				3	3	3	3	3	3 2	U 3	U 3	0	3	U	3	U	3	0 3	U	3	0	3	3	3	3	3	1	3	≥0	3	3	2	2 2		2	2	4 7

^{1.} All groundwater samples collected from the monitoring wells were analyzed by South Carolina Certifical laboratories: Santee Cooper Analytical Services (Certification # 9852), GEL Laboratories, LLC (Certification # 10120), Eurofins Savannah (Certification # 98001), Rogers & Calloot, Inc. (Certification # 23105001), and Pace Analytical Services LLC (Certification # 99030).

2. All Background, Detection Monitoring calls were not can alyze were no

Table 2 Cross Generating Station

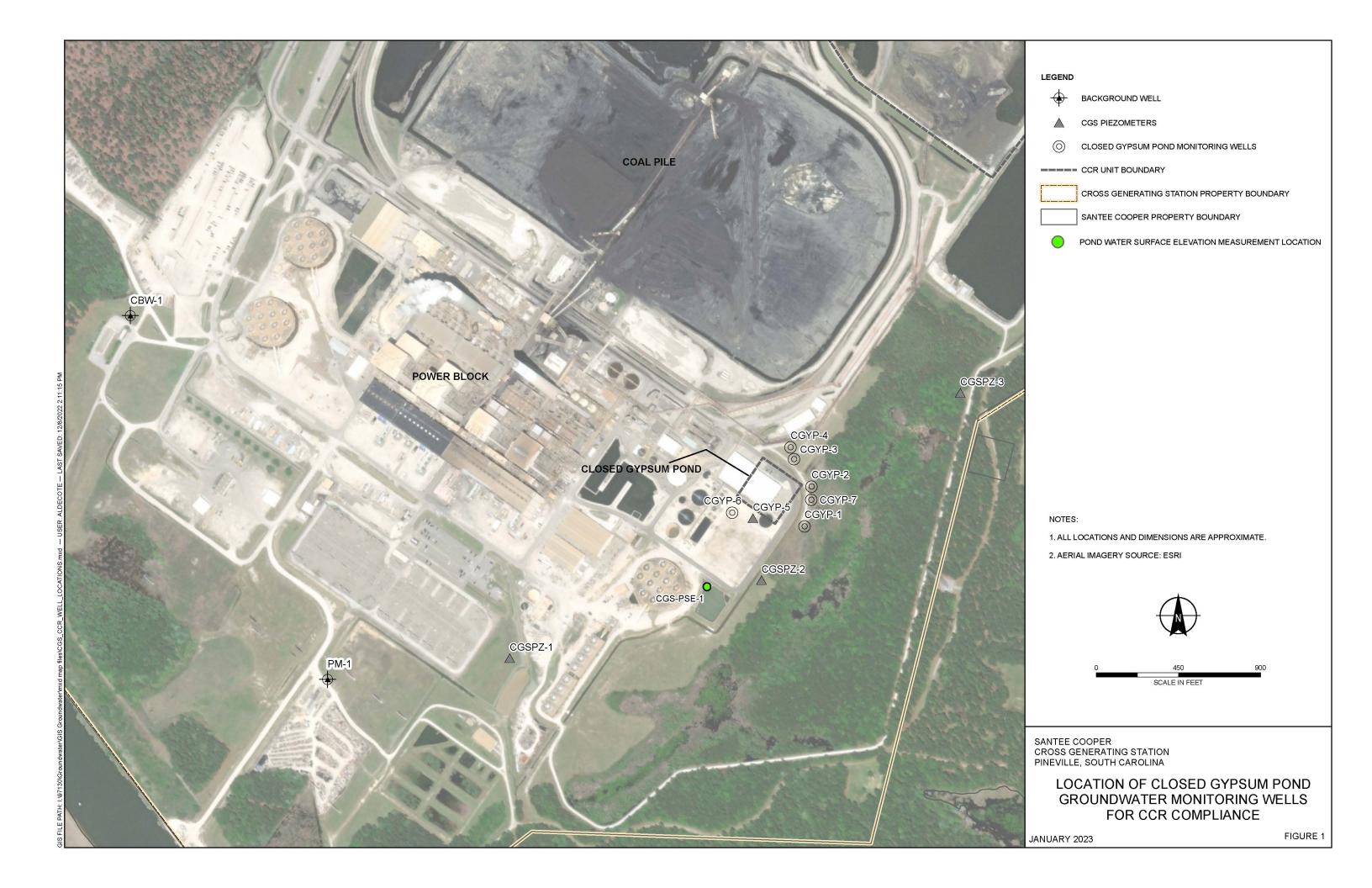
2022 Synoptic Water Levels for Groundwater Monitoring Wells

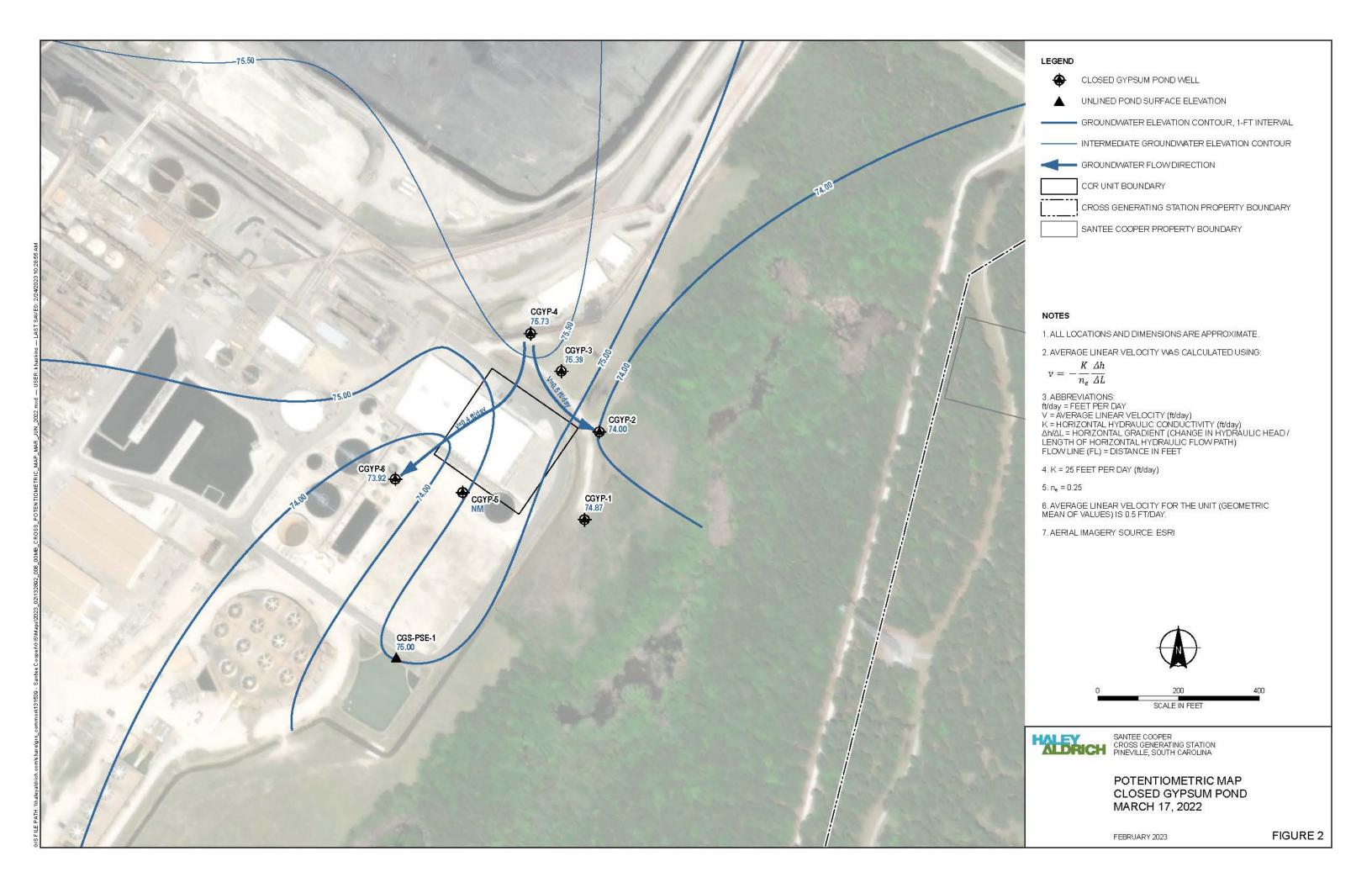
	1	1	st Event	2022	Зупорые чча	er Levels for Grou 2nd	Event	ing weils	3rd Event			
Well Name	Collection Date	Depth to Groundwater (ft btoc) ²	Top of Casing Elevation (ft msl) ²	GW Elevation (ft msl) ²	Collection Date	Depth to Groundwater (ft btoc) ²	Top of Casing Elevation (ft msl) ²	GW Elevation (ft msl) ²	Collection Date	Depth to Groundwater (ft btoc) ²	Top of Casing Elevation (ft msl) ²	GW Elevation (ft msl) ²
PM-1	3/17/2022	8.53	83.24	74.71	6/20/2022	9.00	83.24	74.24	10/24/2022	8.19	83.24	75.05
CBW-1	3/17/2022	10.44	85.80	75.36	6/20/2022	11.60	85.80	74.20	10/24/2022	9.89	85,80	75.91
CAP-1	3/17/2022	8.24	82.70	74.46	6/20/2022	7.56	82.70	75.14	10/24/2022	6.46	82.70	76.24
CAP-2 ¹	3/17/2022	16.39	91.85	75.46	6/20/2022	17.40	91.85	74.45	10/24/2022	15.72	91.85	76.13
CAP-3	3/17/2022	16.08	91.49	75.41	6/20/2022	17.19	91.49	74.30	10/24/2022	15.44	91.49	76.05
CAP-4	3/17/2022	16.57	91.77	75.20	6/20/2022	17.79	91.77	73.98	10/24/2022	15.94	91.77	75.83
CAP-5	3/17/2022	16.61	91.78	75.17	6/20/2022	18.11	91.78	73.67	10/24/2022	15.46	91.78	76.32
CAP-6	3/17/2022	16.91	91.82	74.91	6/20/2022	18.47	91.82	73.35	10/24/2022	15.94	91.82	75.88
CAP-7	3/17/2022	16.18	91.64	75.46	6/20/2022	17.97	91.64	73.67	10/24/2022	15.39	91.64	76.25
CAP-8	3/17/2022	17.44	91.61	74.17	6/20/2022	18.67	91.61	72.94	10/24/2022	16.91	91.61	74.70
CAP-9	3/17/2022	15.88	91.59	75.71	6/20/2022	18.60	91.59	72.99	10/24/2022	14.61	91.59	76.98
CAP-10	3/17/2022	21.61	95.68	74.07	6/20/2022	22.68	95.68	73.00	10/24/2022	21.29	95.68	74.39
CAP-11	3/17/2022	19.21	95.55	76.34	6/20/2022	20.54	95.55	75.01	10/24/2022	18.77	95.55	76.78
CAP-12 ¹	3/17/2022	23.33	98.33	75.00	6/20/2022	24.32	98.33	74.01	10/24/2022	23.01	98.33	75.32
CAP-13	3/17/2022	5.49	80.77	75.28	6/20/2022	8.25	80.77	72.52	10/24/2022	8.33	80.77	72.44
CAP-14 ¹	3/17/2022	5.15	80.77	75.62	6/20/2022	8.43	80.77	72.34	10/24/2022	5.27	80.77	75.50
CCMLF-1	3/17/2022	4.38	80.86	76.48	6/20/2022	8.58	80.86	72.28	10/24/2022	5.02	80.86	75.84
CCMLF-1D	3/17/2022	4.26	80.65	76.39	6/20/2022	8.42	80.65	72.23	10/24/2022	4.76	80.65	75.89
CCMLF-2	3/17/2022	8.20	84.08	75.88	6/20/2022	12.77	84.08	71.31	10/24/2022	8.67	84.08	75.41
POZ-3	3/17/2022	6.26	82.61	76.35	6/20/2022	8.70	82.61	73.91	10/24/2022	6.03	82.61	76.58
POZ-4	3/17/2022	6.30	82.73	76.43	6/20/2022	9.35	82.73	73.38	10/24/2022	6.11	82.73	76.62
POZ-5D1	3/17/2022	6.45	82.49	76.04	6/20/2022	9.53	82.49	72.96	10/24/2022	6.31	82.49	76.18
POZ-6	3/17/2022	7.41	83.84	76.43	6/20/2022	10.95	83.84	72.89	10/24/2022	7.55	83.84	76.29
POZ-7	3/17/2022	6.21	82.02	75.81	6/20/2022	7.94	82.02	74.08	10/24/2022	5.70	82.02	76.32
POZ-8	3/17/2022	7.05	83.13	76.08	6/20/2022	10.10	83.13	73.03	10/24/2022	6.90	83.13	76.23
CLF1B-1	3/17/2022	8.03	83.76	75.73	6/20/2022	9.34	83.76	74.42	10/24/2022	7.34	83.76	76.42
CLF1B-2	3/17/2022	6.33	82.04	75.71	6/20/2022	7.95	82.04	74.09	10/24/2022	5.79	82.04	76.25
CLF1B-3	3/17/2022	7.06	82.75	75.69	6/20/2022	8.92	82.75	73.83	10/24/2022	6.53	82.75	76.22
CLF1B-4	3/17/2022	7.01	82.74	75.73	6/20/2022	9.45	82.74	73.29	10/24/2022	6.57	82.74	76.17
CLF1B-5	3/17/2022	5.28	81.09	75.81	6/20/2022	8.17	81.09	72.92	10/24/2022	5.07	81.09	76.02
CLF1B-5D	3/17/2022	5.39	80.93	75.54	6/20/2022	8.51	80.93	72.42	10/24/2022	5.27	80.93	75.66
CCMAP-1	3/17/2022	6.31	80.21	73.90	6/20/2022	7.95	80.21	72.26	10/24/2022	5.64	80.21	74.57
CCMAP-2	3/17/2022	7.88	81.24	73.36	6/20/2022	8.40	81.24	72.84	10/24/2022	7.76	81.24	73.48
CCMAP-3	3/17/2022	7.74	81.91	74.17	6/20/2022	9.00	81.91	72.91	10/24/2022	7.24	81.91	74.67
CCMAP-4	3/17/2022	6.60	81.83	75.23	6/20/2022	8.12	81.83	73.71	10/24/2022	5.41	81.83	76.42
CCMAP-5	3/17/2022	8.16	83.71	75.55	6/20/2022	9.88	83.71	73.83	10/24/2022	7.29	83.71	76.42
CCMAP-6	3/17/2022	9.62	84.41	74.79	6/20/2022	12.20	84.41	72.21	10/24/2022	8.96	84.41	75.45
CCMAP-7	3/17/2022	8.14	81.57	73.43	6/20/2022	8.55	81.57	73.02	10/24/2022	8.01	81.57	73.56
CCMAP-8⁴	345 0 0		2(040	390) <u>e</u>	D\$0	2	10/24/2022	7.38	82.89	75.51
CGYP-1	3/17/2022	17.02	91.89	74.87	6/20/2022	17.71	91.89	74.18	10/24/2022	16.68	91.89	75.21
CGYP-2	3/17/2022	10.88	84.88	74.00	6/20/2022	10.68	84.88	74.20	10/24/2022	9.46	84.88	75.42
CGYP-3	3/17/2022	8.56	83.95	75.39	6/20/2022	9.50	83.95	74.45	10/24/2022	8.27	83,95	75.68
CGYP-4	3/17/2022	7.76	83.49	75.73	6/20/2022	7.28	83.49	76.21	10/24/2022	7.51	83.49	75.98
CGYP-5 ³		~	ž.	140	6/20/2022	7.94	84.12	76.18	10/24/2022	8.12	84.12	76.00
CGYP-6	3/17/2022	8.31	82.23	73.92	6/20/2022	8.88	82.23	73.35	10/24/2022	7.95	82.23	74.28
CGYP-74	360		₹	(#C	5 - 5	æ	(r=)		10/24/2022	10.03	85.37	75.34
PSE-1 ⁵	3/3/2022	. 4	2	75.00	6/20/2022	4		74.63	10/24/2022	~	8 <u>2</u> 3	74.86
PSE-2 ⁵	3/3/2022	=	=	79.99	6/20/2022	(F	10=1	81.52	10/24/2022	10 - 11	1053	82.34
PSE-3 ⁵	3/3/2022		2	81.83	6/20/2022	P-	(20)	81.47	10/24/2022	040	(660	83.11
PSE-4 ⁵	3/3/2022		5.	82.43	6/20/2022	25	651	82.19	10/24/2022	0 7 1	07.1	83.35
PSE-5 ^S	3/3/2022	E	27	76.77	6/20/2022	76	790	76.62	10/24/2022	nen	799	76.37
PSE-6 ⁵	3/3/2022	1 2	45	74.54	6/20/2022	72	799	74.43	10/24/2022	7940	700	74.56

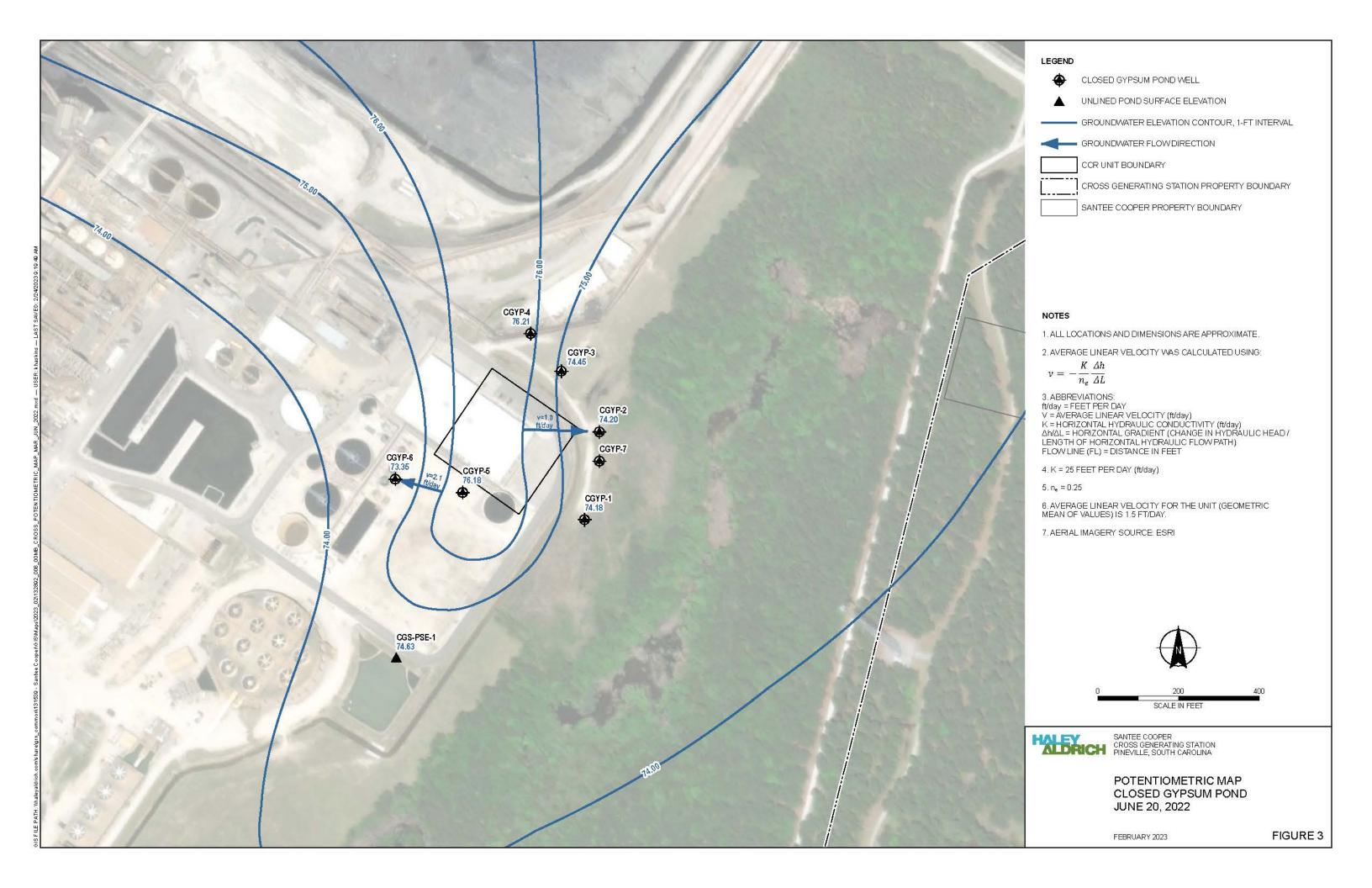
Notes:

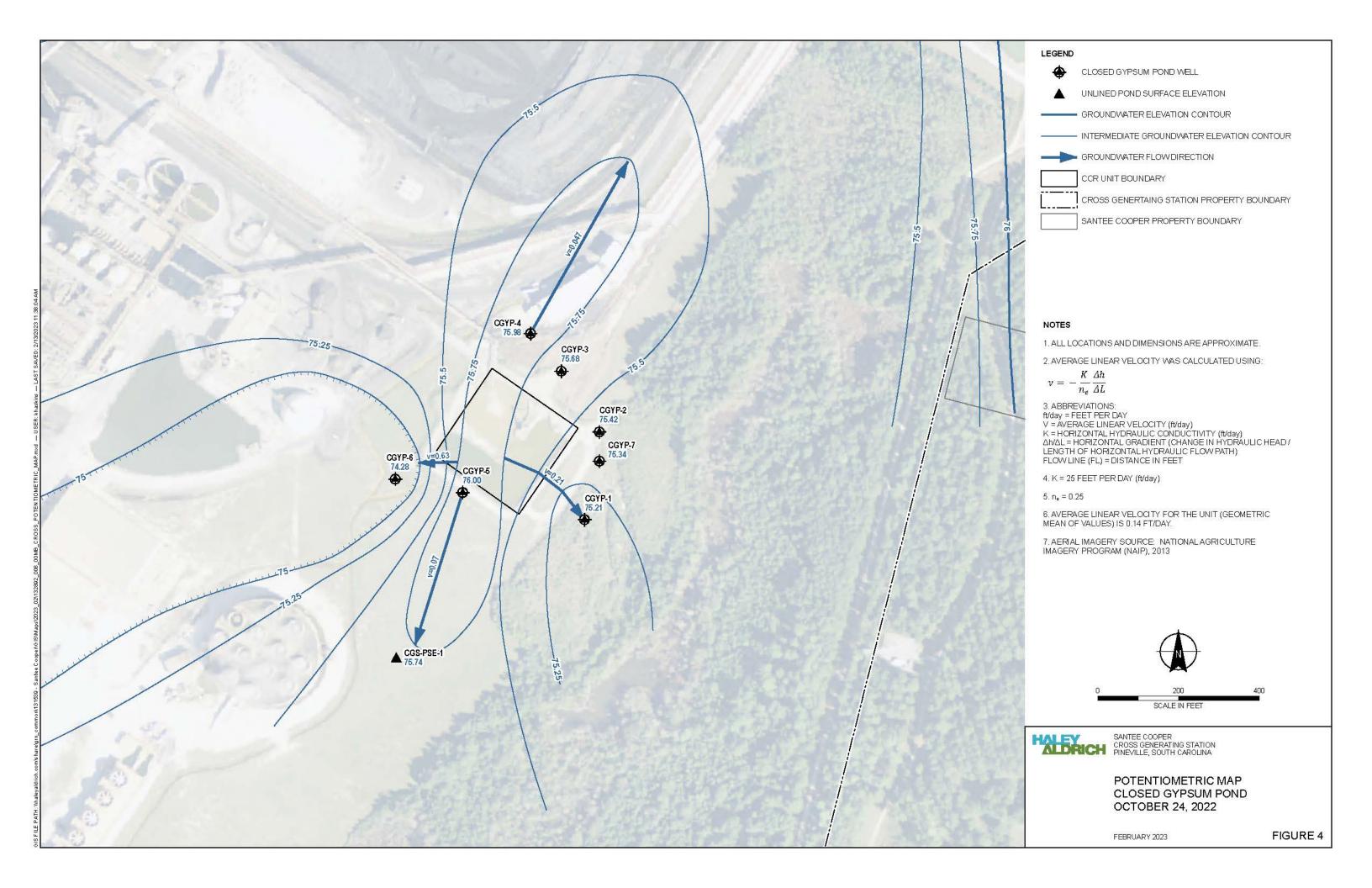
- 1. Additional groundwater monitoring wells used for development of potentiametric maps. These wells monitor groundwater constituent concentrations under the SC DHEC Industrial Watewater Permit #SC0037401 and are not used for CCR constituent concentrations.
- 2. Depth to Groundwater is measured below the top of the casing (stoc) to the water surface. The Top of Casing Elevation and GWE levation are shown relative to mean sea level (mst).
- 3. Per the 2021 CCR Annual Report, CGYP-5 was no longer sampled for CCR GW constituents. Beginning in June 2022, water level data was collected for potentiometric surface interpretation.
- 4. Wells were installed between the 2nd and 3rd events.
- 5. Pond surface elevations (PSE) were collected to aid in the potention etric surface interpretation

FIGURES









Appendix A – Statistical Analysis



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

TECHNICAL MEMORANDUM

August 24, 2022 File No. 132892-017

SUBJECT: Statistical Evaluation of the January 2022 Semiannual Groundwater Detection

Monitoring Data, Cross Generating Station, Closed Gypsum Pond

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

BACKGROUND

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

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

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

STATISTICAL EVALUATION

The Rule provides four specific options to statistically evaluate whether water quality downgradient of the CCR Unit (§257.93(f) (1-4)) represents an SSI of Appendix III parameters compared to background groundwater quality of the CCR Unit. The selected statistical method used for these evaluations is the upper prediction limit (or UPL) which is a type of prediction limit. The statistical method used for this evaluation was certified by Haley & Aldrich, Inc. on May 20, 2020.

South Carolina Public Service Authority (Santee Cooper) August 24, 2022 Page 2

An interwell evaluation was used for statistical analysis, which compares the most recent values from downgradient compliance wells against a background dataset composed of upgradient well data. The results of analytical testing performed on samples collected from the groundwater monitoring network were evaluated to determine whether there has been a SSI over background for each inorganic constituent presented in the Table I.

In order to statistically evaluate the analytical results, the upper prediction background limit (or UPL), which is a type of prediction interval method, was selected to evaluate the data. The prediction interval method is one of the methods outlined in the Rule. This prediction interval procedure uses a concentration limit for each constituent that is established from the distribution of the background data with a specified confidence level (e.g., 95 percent). The upper endpoint of a concentration limit is called the upper prediction limit or UPL. Depending on the background data distribution, parametric or non-parametric prediction limit procedures are used to evaluate groundwater monitoring data using this method. Parametric prediction limits utilize normally distributed data or normalized data via a transformation of the sample background data used to construct the limit. If the data are non-normal and a transformation is not indicated, non-parametric procedures (order statistics or bootstrap methods) are used to calculate the prediction limit. If all the background data are non-detect, a maximum reporting limit (RL) may serve as an approximate upper prediction limit.

The UPLs were calculated from the background well dataset using Chemstat 6.3.0.0 software after testing for outlier sample results that would warrant removal from the dataset based on likely error in sampling or measurement. Both visual and statistical outlier tests for the background data were performed using Chemstat, and a visual inspection of the data was performed using distribution plots for the downgradient sample data. No sample data were identified as outliers that warranted removal from the dataset.

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

RESULTS OF APPENDIX III DOWNGRADIENT STATISTICAL COMPARISONS

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

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



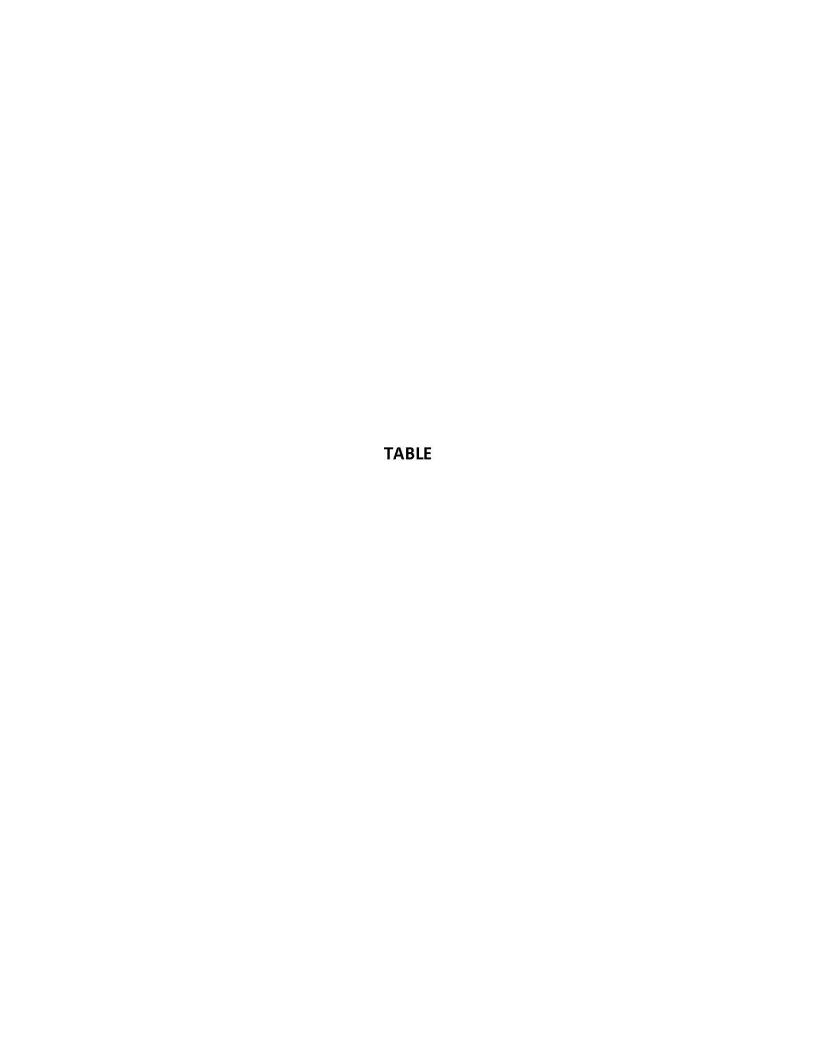
South Carolina Public Service Authority (Santee Cooper) August 24, 2022 Page 3

Table:

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

 $\label{thm:comshare} $$ \common\131539 - Santee Cooper\Cross Generating Station\Statistical Analysis\January 2022\CGYP\2022-0824_HAI_CGS_CGYP_AppIII_Statistical Evaluation_F.docx $$ \compared by the compared by the compa$





DETECTION MONITORING STATISTICAL EVALUATION SUMMARY - JANUARY 2022 GROUNDWATER MONITORING EVENT

CLOSED GYPSUM POND

CROSS GENERATING STATION

																						er-well Analysis	
cation Id	Frequency of Detection	Percent Non-Detects	Range of Non- Detect	Mean	50th Percentile (Median)	95th Percentile	Maximum Detect	Variance	Standard Deviation	Coefficient of Variance	CCR MCL/RSL	Report Result Unit	Detection Exceedances (Y/N)	Number of Detection Exceedances	Number of Non-Detection Exceedances	Outlier Presence	Outlier Removed	Trend	Distribution Well*	January 2022 Concentration (mg/L)	Detect?	Background Limit (Upper Prediction Limit)	
							CCR Append	ix-III: Boron, Tota	al (mg/L)														
3W-1	17/19	11%	0.015-0.04	0.0221	0.0217	0.0328	0.032	0.00004081	0.006389	0.2885	NA	mg/L	N	0	0	Yes	No	Stable	Non-			0.049	
M-1	10/19	47%	0.015-0.02	0.0179	0.015	0.0238	0.049	0.00006188	0.007867	0.4401	NA	mg/L	N	0	0	Yes	No	Stable	parametric				
YP-1	13/13	0%	-	10.1	10	12.8	14	2.563	1.601	0.1582	NA	mg/L	N	0	0	Yes	No	Stable	-	9.84	Υ	_	
YP-2	13/13	0%	-	1.55	1.7	2.04	2.1	0.2487	0.4987	0.3222	NA	mg/L	N	0	0	No	No	Decrease		0.51	Y		
/P-3	13/13	0%	-	19.9	19	23.8	25	7.923	2.815	0.1416	NA	mg/L	N	0	0	No	No	Decrease		21.50	Y		
/P-4 /P-6	8/8	0%	=	7.4 6.61	7.65 6.8	8 7.195	7.3	0.4109 0.4241	0.641 0.6512	0.08661	NA NA	mg/L	N N	0	0	Yes	No	Decrease Stable		6.21 6.20	У		
P-0	8/8	0%	-	0.01	0.0	7.195	di mananan	v-III: Calcium, To		0.09849	NA	mg/L	JN.	U	<u>U</u>	Yes	No	Stable		6.20	<u> </u>		
/-1	19/19	0%	_	27	27	31.13	42.2	20.19	4.494	0.1666	NA	mg/L	N	n	0	Yes	No	Stable					
1-1	20/20	0%	-	17.8	16.4	27.5	37	39.44	6.28	0.3527	NA NA	mg/L	N	0	0	No	No	Decrease	Normal			47.6	
P-1	13/13	0%	-	253	242	330.2	353	2360	48.58	0.1921	NA	mg/L	N	0	0	No	No	Stable		229	Υ		
P-2	13/13	0%	-	283	293	307.4	311	554.4	23.55	0.08322	NA	mg/L	N	0	0	Yes	No	Decrease		226	Y		
· – ′Р-3	13/13	0%	-	619	579	745.8	759	7430	86.2	0.1392	NA	mg/L	N	0	0	No	No	Stable		563	Y		
'P-4	8/8	0%	-	318	321.5	355.8	360	1015	31.86	0.1002	NA	mg/L	N	0	0	Yes	No	Stable		254	Y		
P-6	8/8	0%	-	439	448	477.9	480	1684	41.03	0.09341	NA	mg/L	N	0	0	No	No	Stable		362	Y		
							CCR Apper	ndix-III: Chloride															
V-1	20/20	0%	-	2.9	2.95	3.26	3.44	0.08616	0.2935	0.1012	NA	mg/L	N	0	0	No	No	Stable	Non-			45 5	
l-1	20/20	0%	- 1	12.6	12.69	13.4	13.5	0.3243	0.5695	0.04536	NA	mg/L	N	0	0	No	No	Stable	parametric			13.5	
P-1	13/13	0%	- 1	697	699	792.6	795	3074	55.44	0.07949	NA	mg/L	N	0	0	No	No	Increase		717	Υ		
P-2	13/13	0%	- 1	119	127	168.2	176	1527	39.08	0.3283	NA	mg/L	N	0	0	No	No	Stable		63	Υ		
P-3	13/13	0%	- 1	1150	1070	1427	1460	29500	171.7	0.1495	NA	mg/L	N	0	0	No	No	Stable		1160	Υ		
/P-4	8/8	0%	-	611	595.5	715.5	733	5934	77.03	0.126	NA	mg/L	N	0	0	No	No	Decrease		523	Υ		
/P-6	8/8	0%	-	1040	1066	1136	1160	8747	93.52	0.09017	NA	mg/L	N	0	0	No	No	Decrease		937	Y		
							CCR Appe	ndix-III: Fluoride	(mg/L)														
V-1	18/18	0%	-	0.223	0.22	0.2915	0.3	0.001765	0.04201	0.1881	4	mg/L	N	0	0	No	No	Decrease	Non-			0.30	
1-1	0/18	100%	0.1-0.1	0.1	0.1	0.1		1.633E-18	1.278E-09	1.278E-08	4	mg/L	N	0	0	NA	NA	NA	parametric			0.50	
′P-1	13/13	0%	-	1.01	0.97	1.462	1.69	0.08592	0.2931	0.2902	4	mg/L	N	0	0	No	No	Stable		0.90	Y		
P-2	11/13	15%	0.1-0.1	0.76	0.75	1.4	1.55	0.2019	0.4494	0.5913	4	mg/L	N	0	0	No	No	Stable		0.28	Υ		1
′P-3	12/13	8%	0.1-0.1	2.24	1.88	5.23	6.22	3.045	1.745	0.7777	4	mg/L	Y	2	0	No	No	Stable		0.81	Y		
′P-4	8/8	0%	-	1.79	1.71	3.06	3.19	0.7562	0.8696	0.4862	4	mg/L	N	0	0	No	No	Decrease		0.67	Y		
P-6	8/8	0%	<u> </u>	0.753	0.795	1.061	1.1	0.07585	0.2754	0.366	4	mg/L	N	0	0	No	No	Decrease		0.36	Y		
							CCR Append	ix-III: pH, Field (p		90 00000 0000			100000										
V-1	20/20	0%	-	4.3	4.315	4.5	4.5	0.01686	0.1299	0.0302	NA	pH units	N	0	0	No	No	Stable	Non-			4.09, 5.58	
1-1	25/25	0%	=	5.14	5.19	5.47	5.58	0.05731	0.2394	0.04657	NA	pH units	N	0	0	No	No	Stable	parametric				
P-1	13/13	0%	-	4.04	4.06	4.324	4.48	0.04997	0.2235	0.05533	NA	pH units	N	0	0	No	No	Stable		4.21	Υ		4
P-2	13/13	0%	=	3.82	3.8	4.036	4.06	0.01695	0.1302	0.03407	NA	pH units	N	0	0	No	No	Stable		3.96	Υ		
P-3	13/13	0%	-	3.72	3.73	3.972	3.99	0.03298	0.1816	0.04876	NA NA	pH units	N	0	0	No	No	Stable		3.84	Y		
P-4	8/8	0%	-	3.71	3.655	3.893	3.9	0.016	0.1265	0.03406	NA NA	pH units	N	0	0	No	No	Stable		3.90	Y		
P-6	8/8	0%	-	3.67	3.665	3.849	3.93	0.01499 ndix-III: Sulfate (0.1224 mg/L)	0.03339	NA	pH units	N	U	U	Yes	No	Stable		3.93	Υ		
V-1	20/20	0%		79.5	78.75	91.35	115	120	10.96	0.1379	NA	mg/L	N	^	0	Yes	No	Stable	Non-				
V-1 1-1	20/20	0%	-	12.9	10.8	25.55	26.5	32.22	5.677	0.1379	NA NA	mg/L mg/L	N N	0	0	Yes No	No	Decrease	Non- parametric			115.0	
г-1 Р-1	13/13	0%	-	453	448	590.2	613	8334	91.29	0.2016	NA NA	mg/L	N N	n	0	No	No	Stable	exactions at the SECONS	451	٧		
P-2	13/13	0%	-	941	937	1008	1020	2424	49.24	0.0523	NA NA	mg/L	N	0	0	No	No	Stable		1020			
'P-3	13/13	0%	-	970	983	1003	1010	1206	34.73	0.03579	NA NA	mg/L	N	0	0	No	No	Stable		998	· · · · · · · · · · · · · · · · · · ·		
P-4	8/8	0%	_	600	601	617.5	621	210.6	14.51	0.03373	NA NA	mg/L	N	0	0	No	No	Stable		575	Υ Υ		
′ ¬ ′P-6	8/8	0%	_	90.9	87.6	116.9	128	302.9	17.4	0.1915	NA NA	mg/L	N	0	0	Yes	No	Stable		128	· Y		
n. 2019)=r.=.	\$5.00 PM		1999/105) #850c0+874000			otal Dissolved So		300000000000000000000000000000000000000	00.000.000	gaged Columb	20020	L ***	1800	0%02770	9,6,570	r<0.00000 € r			56		
V-1	19/20	5%	40-40	124	131	178.9	181.2	1216	34.87	0.2804	NA	mg/L	N	0	0	Yes	No	Stable				grant an	
1-1	23/24	4%	40-40	132	130	200	206	1659	40.73	0.3082	NA	mg/L	N	0	0	No	No	Stable	Normal			261.8	
′P-1	13/13	0%	-	1910	1839	2441	2650	92300	303.8	0.1589	NA	mg/L	N	0	0	No	No	Stable		1912	Y		
/P-2	13/13	0%	-	1570	1582	1628	1634	2142	46.28	0.0295	NA	mg/L	N	0	0	No	No	Stable		1582	Y		
YP-3	13/13	0%	-	3730	3519	4684	4958	314400	560.7	0.1504	NA	mg/L	N	0	0	No	No	Increase		3410	Y		
YP-4	8/8	0%	-	1920	1951	2175	2178	50360	224.4	0.1168	NA	mg/L	N	0	0	No	No	Stable		1864	Υ		
				2660	2561	3567	3952	370500	608.7	0.2285	NA	mg/L	N			Yes	No	Decrease		2379			

Appendix B – Laboratory Analytical Reports

SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF24801 Location: GW Well PM-1 Date: 01/24/2022 Sample Collector: BRT/BSB

Loc. Code PM-1 Time: 11:40

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	mg/L	02/15/2022	SJHATCHE	EPA 6010C
Antimony	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010D
Arsenic	<10.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Arsenic Dissolved	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010C
Barium	82.6	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Beryllium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Boron	11.0	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Cadmium	<5	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Calcium	14.4	mg/L	02/15/2022	SJHATCHE	EPA 6010D
Cobalt	<5.00	ug/L	02/16/2022	SJHATCHE	EPA 6010D
Iron	11900	ug/L	02/15/2022	SJHATCHE	EPA 6010D
Lead	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010D
Lithium	3.7	ug/L	02/16/2022	PACE	EPA 6010D
Magnesium	0.73	mg/L	02/15/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	02/17/2022	PACE	EPA 7470
Molybdenum	<5.0	ug/L	02/15/2022	PACE	EPA 6010D
Potassium	<1	mg/L	02/28/2022	TESTAMERICA	EPA 6010D
Selenium	<5	ug/L	04/26/2022	EUROFINS SAV	EPA 6020B
Sodium	5.510	mg/L	02/28/2022	TESTAMERICA	EPA 6010D
Zinc	<10.0	ug/L	02/16/2022	SJHATCHE	EPA 6010D
Thallium	<10	ug/L	04/27/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	128.8	mg/L	01/28/2022	KCWELLS	SM 2540C
Fluoride	<0.10	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	12.1	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	11.7	mg/L	01/26/2022	KCWELLS	EPA 300.0
Radium 226	2.14	pCi/L	02/11/2022	GEL	EPA 903.1 Mod
Radium 228	0.540	pCi/L	02/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.69	pCi/L	02/21/2022	GEL	EPA 903.1 Mod
На	5.19	SU	01/24/2022	BRT/BSB	

Comments:

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

Analysis Validated:

Lindal Villian

Validated date: 5/23/22



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24776

Location: GW Well CBW-1

Date: 01/24/2022

Sample Collector: BRT/BSB

Loc. Code CBW-1

Time: 09:54

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	0.91	mg/L	03/01/2022	SJHATCHE	EPA 6010C
Arsenic	<3	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Arsenic Dissolved	<10.0	ug/L	02/17/2022	SJHATCHE	EPA 6010C
Barium	37.7	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Beryllium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Beryllium	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Boron	13.9	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Cadmium	<0.5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Calcium	27.9	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Cobalt	0.73	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Iron	66.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Lead	2.7	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Lithium	0.66	ug/L	02/16/2022	PACE	EPA 6010D
Magnesium	2.24	mg/L	03/01/2022	SJHATCHE	EPA 6010D
Mercury	<0.20	ug/L	02/17/2022	PACE	EPA 7470
Molybdenum	<5.0	ug/L	02/15/2022	PACE	EPA 6010D
Potassium	<1	mg/L	03/07/2022	TESTAMERICA	EPA 6010D
Antimony	<5	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Selenium	<15.6	ug/L	04/22/2022	EUROFINS SAV	EPA 6020B
Sodium	2.380	mg/L	03/07/2022	TESTAMERICA	EPA 6010D
Zinc	<10.0	ug/L	03/01/2022	SJHATCHE	EPA 6010D
Thallium	<1	ug/L	04/18/2022	EUROFINS SAV	EPA 6020B
Total Dissolved Solids	130.0	mg/L	01/28/2022	KCWELLS	SM 2540C
Fluoride	0.22	mg/L	01/26/2022	KCWELLS	EPA 300.0
Chloride	3.21	mg/L	01/26/2022	KCWELLS	EPA 300.0
Sulfate	82.8	mg/L	01/26/2022	KCWELLS	EPA 300.0
Radium 226	0.640	pCi/L	02/11/2022	GEL	EPA 903.1 Mod
Radium 228	1.80	pCi/L	02/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.44	pCi/L	02/21/2022	GEL	EPA 903.1 Mod
pH	4.26	SU	01/24/2022	BRT/BSB	

Comments:

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

Analysis Validated:

Lindal Wellians



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24788

Location: GW Well CGYP-1

Date: 01/31/2022

Sample Collector: BRT/BSB

Loc. Code CGYP-1

Time: 11:50

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

Comments:

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

Analysis Validated:

Lindal Whan

SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24789

Location: GW Well CGYP-2

Date: 01/31/2022

Sample Collector: BRT/BSB

Loc. Code CGYP-2

Time: 12:42

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

Comments:

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

Analysis Validated:

Mellan



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

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

Loc. Code CGYP-2 Time: 12:47

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

Comments:

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

Analysis Validated:

Lindalellians



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24791

Location: GW Well CGYP-3

Date: 01/31/2022

Sample Collector: BRT/BSB

Loc. Code CGYP-3

Time: 14:21

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

Comments:

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

Analysis Validated:

lans

SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

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

Time: 15:17

02/24/2022

02/04/2022

02/04/2022

02/04/2022

02/04/2022

02/28/2022

03/04/2022

03/04/2022

01/31/2022

SJHATCHE

SJBROWN

KCWELLS

KCWELLS

KCWELLS

GEL

GEL

GEL

BRT/BSB

EPA 6010D

SM 2540C

EPA 300.0

EPA 300.0

EPA 300.0

EPA 903.1 Mod

EPA 904.0

EPA 903.1 Mod

Loc. Code CGYP-4

Analysis Result **Units Test Date Analyst** Method ug/L Antimony <10.0 02/24/2022 **SJHATCHE EPA 6010D** Arsenic <10.0 ug/L 02/24/2022 SJHATCHE **EPA 6010D** Barium 25.0 ug/L 02/24/2022 SJHATCHE **EPA 6010D** Beryllium 16.6 ug/L 02/24/2022 SJHATCHE **EPA 6010D Boron** 6210 ug/L 02/24/2022 SJHATCHE **EPA 6010D** Cadmium <10.0 ug/L 02/24/2022 SJHATCHE **EPA 6010D** Calcium 254 mg/L 02/24/2022 SJHATCHE **EPA 6010D** Cobalt 16.8 ug/L 02/24/2022 SJHATCHE **EPA 6010D** Chromium <10.0 ug/L 02/24/2022 SJHATCHE **EPA 6010D** Lead 11.3 ug/L 02/24/2022 SJHATCHE **EPA 6010D** Lithium 64.2 ug/L 02/24/2022 **SJHATCHE** EPA 6010D Mercury < 0.20 ug/L 03/01/2022 PACE **EPA 7470** Molybdenum <10.0 02/24/2022 ug/L SJHATCHE **EPA 6010D** Selenium <50.0 ug/L 02/24/2022 SJHATCHE **EPA 6010D**

ug/L

mg/L

mg/L

mg/L

mg/L

pCi/L

pCi/L

pCi/L

SU

<50.0

1864

0.67

523

575

1.25

3.60

4.85

3.90

Comments:

Thallium

Fluoride

Chloride

Radium 226

Radium 228

Sulfate

Ha

Total Dissolved Solids

Radium 226/228 Combined Calculation

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:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF24793

Location: GW Well CGYP-6

Date: 01/31/2022

Sample Collector: BRT/BSB

Loc. Code CGYP-6

Time: 16:27

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

Comments:

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

Analysis Validated:

Lindallellars



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36901 Location: GW Well PM-1 Date: 06/20/2022 Sample Collector: DEW/ML

Time: 15:31

Loc. Code PM-1

Analysis	Result	Units	Test Date	Analyst	Method
Aluminum	<0.05	ug/L	08/16/2022	R&C	EPA 6010C
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B
Arsenic Dissolved	<5.0	ug/L	08/13/2022	R&C	EPA 6020B
Barium	76.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	<0.5	ug/L	08/16/2022	R&C	EPA 6020B
Boron	<15	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Calcium	6.200	ug/L	08/16/2022	R&C	EPA 6010D
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Cobalt	1.00	ug/L	08/16/2022	R&C	EPA 6020B
Iron	6000	ug/L	08/16/2022	R&C	EPA 6010D
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D
Magnesium	0.500	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Potassium	0.600	ug/L	08/16/2022	R&C	EPA 6010D
Selenium	<20	ug/L	08/16/2022	R&C	EPA 6010D
Sodium	5.60	ug/L	08/16/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Zinc	13.0	ug/L	08/16/2022	R&C	EPA 6010D
Fluoride	<0.10	mg/L	06/21/2022	AMSOULE	EPA 300.0
Chloride	13.4	mg/L	06/21/2022	AMSOULE	EPA 300.0
Sulfate	6.59	mg/L	06/21/2022	AMSOULE	EPA 300.0
Total Dissolved Solids	137.5	mg/L	07/19/2022	AMSOULE	SM 2540C
Radium 226	0.900	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	0.687	pCi/L	08/29/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.59	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	4.84	SU	06/20/2022	DEW/ML	

Comments:

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

Analysis Validated:

Linda Williams



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36876

Location: GW Well CBW-1

Date: 06/20/2022

Sample Collector: DEW/ML

Loc. Code CBW-1

Time: 14:16

Analysis	Result	Units	Test Date	Analyst	Method	
Aluminum	0.810	ug/L	08/16/2022	R&C	EPA 6010C	
Antimony	<5	ug/L	09/10/2022	EUROFINS SAV	EPA 6020B	
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Arsenic Dissolved	<5.0	ug/L	08/13/2022	R&C	EPA 6020B	
Barium	33.0	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	<0.5	ug/L	08/16/2022	R&C	EPA 6020B	
Boron	15.0	ug/L	08/16/2022	R&C	EPA 6010D	
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D	
Calcium	29.00	ug/L	08/16/2022	R&C	EPA 6010D	
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Cobalt	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Iron	140	ug/L	08/16/2022	R&C	EPA 6010D	
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Magnesium	1.90	ug/L	08/16/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470	
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Potassium	0.600	ug/L	08/16/2022	R&C	EPA 6010D	
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D	
Sodium	3.20	ug/L	08/16/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Zinc	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Fluoride	0.18	mg/L	06/21/2022	AMSOULE	EPA 300.0	
Chloride	3.79	mg/L	06/21/2022	AMSOULE	EPA 300.0	
Sulfate	78.3	mg/L	06/21/2022	AMSOULE	EPA 300.0	
Total Dissolved Solids	143.8	mg/L	06/24/2022	AMSOULE	SM 2540C	
Radium 226	0.702	pCi/L	07/12/2022	GEL	EPA 903.1 Mod	
Radium 228	1.27	pCi/L	08/10/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	1.98	pCi/L	08/29/2022	GEL	EPA 903.1 Mod	
pH	4.45	SU	06/20/2022	DEW/ML		

Comments:

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

Analysis Validated:

Ollers



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

Sample # AF36888

Location: GW Well CGYP-1

Date: 06/21/2022

Sample Collector: DEW/ML

Loc. Code CGYP-1

Time: 10:04

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Barium	23.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	6.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	200.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	33.00	ug/L	08/16/2022	R&C	EPA 6020B
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	4200.0	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470
Total Dissolved Solids	1771	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	0.91	mg/L	06/24/2022	KCWELLS	EPA 300.0
Chloride	686	mg/L	06/24/2022	KCWELLS	EPA 300.0
Sulfate	359	mg/L	06/24/2022	KCWELLS	EPA 300.0
Radium 226	1.40	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	2.88	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.28	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
pH	4.28	SU	06/21/2022	DEW/ML	A SECURI DE SOUS AS SUCCESSES SEC

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:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

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

Loc. Code CGYP-2

Time: 11:09

Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Barium	<10	ug/L	08/05/2022	R&C	EPA 6010D	
Beryllium	3.0	ug/L	08/16/2022	R&C	EPA 6020B	
Calcium	240.0	ug/L	08/16/2022	R&C	EPA 6010D	
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D	
Cobalt	18.00	ug/L	08/16/2022	R&C	EPA 6020B	
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B	
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D	
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B	
Boron	570.0	ug/L	08/16/2022	R&C	EPA 6010D	
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D	
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470	
Total Dissolved Solids	1408	mg/L	06/24/2022	AMSOULE	SM 2540C	
Fluoride	0.93	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Chloride	66.4	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Sulfate	881	mg/L	06/24/2022	KCWELLS	EPA 300.0	
Radium 226	0.891	pCi/L	07/12/2022	GEL	EPA 903.1 Mod	
Radium 228	1.50	pCi/L	08/10/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	2.39	pCi/L	08/29/2022	GEL	EPA 903.1 Mod	
pH	4.01	SU	06/21/2022	DEW/ML		

Comments:

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

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

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

Loc. Code CGYP-2 Time: 11:14

	DUP		Time. Tr. 14		
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<5	ug/L	08/16/2022	R&C	EPA 6020B
Barium	<10	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	3.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	240.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	18.00	ug/L	08/16/2022	R&C	EPA 6020B
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	570.0	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	<10	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470
Total Dissolved Solids	1411	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	0.85	mg/L	06/30/2022	KCWELLS	EPA 300.0
Chloride	67.5	mg/L	06/30/2022	KCWELLS	EPA 300.0
Sulfate	870	mg/L	06/30/2022	KCWELLS	EPA 300.0
Radium 226	0.581	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	1.02	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	1.60	pCi/L	08/29/2022	GEL	EPA 903.1 Mod

Comments:

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

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

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

Loc. Code CGYP-3

Time: 12:31

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Barium	17.0	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	17.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	460.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	55.00	ug/L	08/16/2022	R&C	EPA 6020B
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Lead	11.0	ug/L	08/16/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	9900.0	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	29.0	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470
Total Dissolved Solids	2952	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	1.94	mg/L	06/30/2022	KCWELLS	EPA 300.0
Chloride	841	mg/L	06/30/2022	KCWELLS	EPA 300.0
Sulfate	966	mg/L	06/30/2022	KCWELLS	EPA 300.0
Radium 226	1.10	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	4.26	pCi/L	08/10/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.36	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
рН	3.87	SU	06/21/2022	DEW/ML	

Comments:

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

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

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

Time: 13:23

Loc. Code CGYP-4

Dogult				
Result	Units	Test Date	Analyst	Method
<10	ug/L	08/16/2022	R&C	EPA 6020B
19.0	ug/L	08/05/2022	R&C	EPA 6010D
13.0	ug/L	08/16/2022	R&C	EPA 6020B
270.0	ug/L	08/16/2022	R&C	EPA 6010D
<4	ug/L	08/16/2022	R&C	EPA 6010D
33.00	ug/L	08/16/2022	R&C	EPA 6020B
<5	ug/L	08/16/2022	R&C	EPA 6020B
<10	ug/L	08/16/2022	R&C	EPA 6010D
<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
<50	ug/L	08/05/2022	R&C	EPA 6010D
<1	ug/L	08/16/2022	R&C	EPA 6020B
4300.0	ug/L	08/16/2022	R&C	EPA 6010D
39.0	ug/L	08/16/2022	R&C	EPA 6010D
<10	ug/L	08/16/2022	R&C	EPA 6010D
<0.2	ug/L	06/29/2022	GEL	EPA 7470
1676	mg/L	06/24/2022	AMSOULE	SM 2540C
1.56	mg/L	06/30/2022	KCWELLS	EPA 300.0
445	mg/L	06/30/2022	KCWELLS	EPA 300.0
576	mg/L	06/30/2022	KCWELLS	EPA 300.0
0.415	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
2.82	pCi/L	08/10/2022	GEL	EPA 904.0
3.24	pCi/L	08/29/2022	GEL	EPA 903.1 Mod
3.89	SU	06/21/2022	DEW/ML	
	19.0 13.0 270.0 <4 33.00 <5 <10 <5 <1 4300.0 39.0 <10 <0.2 1676 1.56 445 576 0.415 2.82 3.24	<10	<10	<10

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:



SANTEE COOPER ANALYTICAL SERVICES CERTIFICATE OF ANALYSIS LAB CERTIFICATION #08552

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

Time: 14:23

Loc. Code CGYP-6

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<10	ug/L	08/16/2022	R&C	EPA 6020B
Barium	290	ug/L	08/05/2022	R&C	EPA 6010D
Beryllium	19.0	ug/L	08/16/2022	R&C	EPA 6020B
Calcium	430.0	ug/L	08/16/2022	R&C	EPA 6010D
Cadmium	<4	ug/L	08/16/2022	R&C	EPA 6010D
Cobalt	117.00	ug/L	08/16/2022	R&C	EPA 6020B
Chromium	<5	ug/L	08/16/2022	R&C	EPA 6020B
Lead	<10	ug/L	08/16/2022	R&C	EPA 6010D
Antimony	<5	ug/L	09/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<50	ug/L	08/05/2022	R&C	EPA 6010D
Thallium	<1	ug/L	08/16/2022	R&C	EPA 6020B
Boron	6100.0	ug/L	08/16/2022	R&C	EPA 6010D
Lithium	100	ug/L	08/16/2022	R&C	EPA 6010D
Molybdenum	<10	ug/L	08/16/2022	R&C	EPA 6010D
Mercury	<0.2	ug/L	06/29/2022	GEL	EPA 7470
Total Dissolved Solids	3210	mg/L	06/24/2022	AMSOULE	SM 2540C
Fluoride	0.93	mg/L	06/30/2022	KCWELLS	EPA 300.0
Chloride	1070	mg/L	06/30/2022	KCWELLS	EPA 300.0
Sulfate	106	mg/L	06/30/2022	KCWELLS	EPA 300.0
Radium 226	2.04	pCi/L	07/12/2022	GEL	EPA 903.1 Mod
Radium 228	2.25	pCi/L	08/12/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.30	pCi/L	08/29/2022	GEL	EPA 903.1 Mod

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Comments:

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

Analysis Validated:

Validated date: 9/12/22

06/21/2022

DEW/ML

3.82



One Riverwood Drive P.O. Box 2946101 Moncks Corner, SC 29461-2901

(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

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

Loc. Code PM-1 Time: 09:27

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	85.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	13.10	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	1.89	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	<2.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<10	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Boron	43.7	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	5.44	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Mercury	<0.6	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	10900	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Sodium	5.68	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Magnesium	0.650	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Manganese	12.9	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	5.25	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	5.37	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	<0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	12.7	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	7.99	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	96.25	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.738	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	2.16	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	2.90	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	5.01	SU	10/25/2022	WJK/ML	
Alkalinity	34.4	mg/L	11/01/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B
Bicarbonate Alkalinity	34.4	mg/L	11/01/2022	GEL	SM 2320B
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	3	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	6	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	10900	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	13	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:



One Riverwood Drive P.O. Box 2946101 Moncks Corner, SC 29461-2901

(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47632

Location: GW Well CBW-1

Date: 10/25/2022

Sample Collector: WJK/ML

CBW-1 Loc. Code

Time: 10:34

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Analysis	Result	Units	Test Date	Analyst	Method		
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B		
Barium	46.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Beryllium	<0.5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Calcium	27.50	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D		
Cadmium	<0.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Cobalt	0.63	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B		
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Lead	3.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B		
Selenium	<10	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Thallium	<1	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Boron	20.3	ug/L	11/21/2022	SJHATCHE	EPA 6010D		
Lithium	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D		
Molybdenum	<5.00	ug/L	11/21/2022	SJHATCHE	EPA 6010D		
Mercury	<0.4	ug/L	12/09/2022	EUROFINS SAV	EPA 7470		
Iron	<100	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D		
Potassium	<1	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D		
Sodium	5.74	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D		
Magnesium	1.82	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D		
Manganese	14.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B		
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034		
Total Organic Carbon	1.64	mg/L	11/02/2022	GEL	SM 5310B		
Dissoloved Organic Carbon	2.53	mg/L	11/03/2022	GEL	SM 5310B		
Nitrate-Nitrite Cadmium Reduction	0.655	mg/L	11/04/2022	GEL	EPA 353.2		
Fluoride	<0.10	mg/L	11/02/2022	KCWELLS	EPA 300.0		
Chloride	3.78	mg/L	11/02/2022	KCWELLS	EPA 300.0		
Sulfate	80.4	mg/L	11/02/2022	KCWELLS	EPA 300.0		
Total Dissolved Solids	110.0	mg/L	11/03/2022	KCWELLS	SM 2540C		
Radium 226	0.630	pCi/L	11/06/2022	GEL	EPA 903.1 Mod		
Radium 228	1.88	pCi/L	11/04/2022	GEL	EPA 904.0		
Radium 226/228 Combined Calculation	2.51	pCi/L	11/07/2022	GEL	EPA 903.1 Mod		
pH	4.31	SU	10/25/2022	WJK/ML			
Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B		
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B		
Bicarbonate Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B		
Beryllium Dissolved	<0.5	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		
Cobalt Dissolved	<2	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		
Lithium Dissolved	<5	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D		
Iron - Dissolved	264	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B		
Manganese Dissolved	13	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B		
		20279					

Comments:

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

Analysis Validated:

Linda Wellan



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47646

Location: GW Well CGYP-1

Date: 10/26/2022

Sample Collector: WJK/ML

Loc. Code CGYP-1

YP-1 Time: 10:30

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

Comments:

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

Analysis Validated:

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47647

Location: GW Well CGYP-2

Date: 10/25/2022

Sample Collector: WJK/ML

Loc. Code CGYP-2

Time: 15:16

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Analysis	Result	Units	Test Date	Analyst	Method	
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B	
Barium	18.3	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Beryllium	4.3	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Calcium	214.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Cadmium	1.4	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Cobalt	21.50	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Lead	25.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Selenium	27	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B	
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B	
Boron	1140	ug/L	11/17/2022	SJHATCHE	EPA 6010D	
Lithium	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D	
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D	
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470	
Iron	63500	ug/i	11/08/2022	EUROFINS SAV	EPA 6010D	
Potassium	2.35	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Sodium	8.25	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D	
Magnesium	18.6	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D	
Manganese	325.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B	
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034	
Total Organic Carbon	8.45	mg/L	11/02/2022	GEL	SM 5310B	
Dissoloved Organic Carbon	9.00	mg/L	11/03/2022	GEL	SM 5310B	
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2	
Fluoride	0.42	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Chloride	57.3	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Sulfate	914	mg/L	11/02/2022	KCWELLS	EPA 300.0	
Total Dissolved Solids	1454	mg/L	11/03/2022	KCWELLS	SM 2540C	
Radium 226	0.708	pCi/L	11/06/2022	GEL	EPA 903.1 Mod	
Radium 228	4.41	pCi/L	11/04/2022	GEL	EPA 904.0	
Radium 226/228 Combined Calculation	5.12	pCi/L	11/07/2022	GEL	EPA 903.1 Mod	
рН	3.80	SU	10/25/2022	WJK/ML		
Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B	
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B	
Bicarbonate Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B	
Beryllium Dissolved	4	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Cobalt Dissolved	19	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
Lithium Dissolved	15	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D	
Iron - Dissolved	71400	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B	
Manganese Dissolved	289	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B	
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Comments:

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

Analysis Validated:

Linda Williams

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

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

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

Loc. Code CGYP-2	DUP		Time: 15:21		
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	17.8	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	4.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	213.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	1.7	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	20.40	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	24.3	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	28	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	1050	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	62800	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	2.31	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	8.23	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Magnesium	18.6	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	314.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	8.10	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	9.10	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.55	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	57.5	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	919	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1481	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.665	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	3.69	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	4.35	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Beryllium Dissolved	4	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	19	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	15	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	68100	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	284	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47649

Location: GW Well CGYP-3

Date: 10/25/2022

Sample Collector: WJK/ML

Loc. Code CGYP-3

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Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	7	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Barium	42.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	34.5	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	415.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	1.9	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	95.60	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	9	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	29.8	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	19	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	16600	ug/L	11/21/2022	SJHATCHE	EPA 6010D
Lithium	51.7	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	171000	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	2.30	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Sodium	73.3	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	20.6	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	471.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	17.0	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	18.2	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	0.332	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	1.06	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	842	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	885	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2835	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.568	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	6.11	pCi/L	11/07/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.68	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.56	SU	10/25/2022	WJK/ML	
Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Beryllium Dissolved	31	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	83	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	65	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	192000	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	411	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:

Lindal Wellers

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF47650

Location: GW Well CGYP-4

Date: 10/25/2022

Time: 12:46

Sample Collector: WJK/ML

Loc. Code CGYP-4

Loc. Code CGYP-4			11me: 12:40		
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	4.10	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	30.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	18.8	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	231.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	8.0	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	41.50	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	13.4	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	8.56	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	6130	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Lithium	71.2	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/17/2022	SJHATCHE	EPA 6010D
Mercury	<0.4	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	81000	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	2.46	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	67.7	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	12.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Manganese	316.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	11.0	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	11.9	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.99	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	495	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	652	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	1585	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	0.738	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	3.03	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	3.77	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.69	SU	10/25/2022	WJK/ML	
Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Beryllium Dissolved	16	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	38	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	54	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	86500	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	280	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
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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:

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SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

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

Loc. Code CGYP-6 Time: 11:40

Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	<3	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	465	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	27.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Calcium	370.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	0.6	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	156.00	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	2.8	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	<2.5	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	5710	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Lithium	148	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	30400	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	1.83	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	87.0	mg/L	11/08/2022	EUROFINS SAV	EPA 6010D
Magnesium	13.1	mg/l	/I 11/08/2022 EUROFINS		EPA 6010D
Manganese	162.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	3.17	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	3.73	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	<0.1	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.49	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	896	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	89.3	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2902	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	2.15	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	4.02	pCi/L	11/04/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.17	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.56	SU	10/25/2022	WJK/ML	
Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/01/2022	GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/01/2022	GEL	SM 2320B
Beryllium Dissolved	25	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	133	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	106	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	33500	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	140	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:



One Riverwood Drive P.O. Box 2946101 Moncks Corner, SC 29461-2901

(843) 761-8000

SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

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

Loc. Code CGYP-7			Time: 09:24		
Analysis	Result	Units	Test Date	Analyst	Method
Arsenic	6	ug/l	11/09/2022	EUROFINS SAV	EPA 6020B
Barium	28.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Beryllium	11.7	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Calcium	320.0	mg/l	11/08/2022	EUROFINS SAV	EPA 6010D
Cadmium	3.2	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Cobalt	79.70	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Lead	55.1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Selenium	46	ug/L	11/14/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	11/09/2022	EUROFINS SAV	EPA 6020B
Boron	11800	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Lithium	7.85	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	11/22/2022	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/09/2022	EUROFINS SAV	EPA 7470
Iron	114000	ug/l	11/08/2022	EUROFINS SAV	EPA 6010D
Potassium	4.21	mg/l	11/14/2022	EUROFINS SAV	EPA 6010D
Sodium	80.2	mg/L	11/09/2022	EUROFINS SAV	EPA 6010D
Magnesium	68.2	mg/l	11/09/2022	EUROFINS SAV	EPA 6010D
Manganese	1050.0	ug/L	11/08/2022	EUROFINS SAV	EPA 6020B
Sulfide	<0.1	mg/L	10/31/2022	GEL	EPA 9034
Total Organic Carbon	11.1	mg/L	11/02/2022	GEL	SM 5310B
Dissoloved Organic Carbon	11.9	mg/L	11/03/2022	GEL	SM 5310B
Nitrate-Nitrite Cadmium Reduction	0.115	mg/L	11/04/2022	GEL	EPA 353.2
Fluoride	0.66	mg/L	11/02/2022	KCWELLS	EPA 300.0
Chloride	797	mg/L	11/02/2022	KCWELLS	EPA 300.0
Sulfate	894	mg/L	11/02/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2545	mg/L	11/03/2022	KCWELLS	SM 2540C
Radium 226	1.38	pCi/L	11/06/2022	GEL	EPA 903.1 Mod
Radium 228	4.67	pCi/L	11/07/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	6.04	pCi/L	11/07/2022	GEL	EPA 903.1 Mod
pH	3.69	SU	10/26/2022	WJK/ML	
Alkalinity	<4	mg/L	11/08/2022	GEL	SM 2320B
Alkalinity as CaCO3	<4	mg/L	11/08/2022	GEL	SM2320B
Bicarbonate Alkalinity	<4	mg/L	11/08/2022	GEL	SM 2320B
Beryllium Dissolved	12	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Cobalt Dissolved	68	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B
Lithium Dissolved	14	ug/L	11/14/2022	EUROFINS SAV	EPA 6010D
Iron - Dissolved	141000	ug/L	11/10/2022	EUROFINS SAV	EPA 6020B
Manganese Dissolved	885	ug/l	11/14/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Analysis Validated:



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF50608

Location: GW Well CGYP-7

Date: 12/07/2022

Sample Collector: WJK/BM

Loc. Code CGYP-7

Time: 13:42

2001 0000 0011 1					
Analysis Arsenic	Result 6.1	Units	Test Date	Analyst	Method
Barium		ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
	24.8	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Beryllium	11.6	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Calcium	303.0	mg/l	12/13/2022	EUROFINS SAV	EPA 6010D
Cadmium	3.0	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Cobalt	75.2	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Chromium	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Lead	47.3	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Antimony	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Selenium	55.80	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Thallium	<1	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B
Boron	11500	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Lithium	<5.00	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Molybdenum	<5.00	ug/L	01/04/2023	SJHATCHE	EPA 6010D
Mercury	<0.2	ug/L	12/13/2022	EUROFINS SAV	EPA 7470
Iron	112000	ug/l	12/13/2022	EUROFINS SAV	EPA 6010D
Fluoride	<0.10	mg/L	12/15/2022	KCWELLS	EPA 300.0
Chloride	761	mg/L	12/15/2022	KCWELLS	EPA 300.0
Sulfate	920	mg/L	12/15/2022	KCWELLS	EPA 300.0
Total Dissolved Solids	2554	mg/L	12/15/2022	SJBROWN	SM 2540C
Radium 226	2.94	pCi/L	12/19/2022	GEL	EPA 903.1 Mod
Radium 228	2.88	pCi/L	12/30/2022	GEL	EPA 904.0
Radium 226/228 Combined Calculation	5.82	pCi/L	01/09/2023	GEL	EPA 903.1 Mod
pH	3.85	SU	12/06/2022	MDG	
Copper	<5	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Nickel	36.1	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B
Zinc	55	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B

Comments:

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

Linda Williams - Manager Analytical Services

Analysis Validated:

Validated

idated date: 1/25/23



SANTEE COOPER ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

LAB CERTIFICATION #08552

Sample # AF50609

609 L

Location: GW Well CGYP-7

Date: 12/07/2022

12/13/2022

12/13/2022

EUROFINS SAV

EUROFINS SAV

EPA 6020B

EPA 6020B

Sample Collector: WJK/BM

Loc. Code CGYP-7	DUP	Time: 13:47						
Analysis	Result	Units	Test Date	Analyst	Method			
Arsenic	9.2	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B			
Barium	24.9	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Beryllium	14.7	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Calcium	307.0	mg/l	12/13/2022	EUROFINS SAV	EPA 6010D			
Cadmium	2.2	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Cobalt	78.6	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Chromium	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Lead	48.3	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Antimony	<5	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Selenium	56.90	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Thallium	<1	ug/L	12/13/2022	EUROFINS SAV	EPA 6020B			
Boron	11500	ug/L	01/04/2023	SJHATCHE	EPA 6010D			
Lithium	<5.00	ug/L	01/04/2023	SJHATCHE	EPA 6010D			
Molybdenum	<5.00	ug/L	01/04/2023	SJHATCHE	EPA 6010D			
Mercury	<0.2	ug/L	12/13/2022	EUROFINS SAV	EPA 7470			
Iron	114000	ug/i	12/13/2022	EUROFINS SAV	EPA 6010D			
Fluoride	<0.10	mg/L	12/15/2022	KCWELLS	EPA 300.0			
Chloride	808	mg/L	12/15/2022	KCWELLS	EPA 300.0			
Sulfate	997	mg/L	12/15/2022	KCWELLS	EPA 300.0			
Total Dissolved Solids	2544	mg/L	12/15/2022	SJBROWN	SM 2540C			
Radium 226	4.03	pCi/L	12/19/2022	GEL	EPA 903.1 Mod			
Radium 228	2.04	pCi/L	12/30/2022	GEL	EPA 904.0			
Radium 226/228 Combined Calculation	6.07	pCi/L	01/09/2023	GEL	EPA 903.1 Mod			
Copper	<5	ug/l	12/13/2022	EUROFINS SAV	EPA 6020B			

ug/l

ug/l

Comments:

Nickel

Zinc

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:

andal illians

Linda Williams - Manager Analytical Services

38.0

55

Validated date:













PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

February 21, 2022

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

Re: ABS Lab Analytical Work Order: 568465

Dear Ms. Gilmetti:

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

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

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

Sincerely,

Grace Bodiford

Julie Robinson
Project Manager

Purchase Order: 367074

Enclosures



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

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 568465 GEL Work Order: 568465

The Qualifiers in this report are defined as follows:

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

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

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

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

Yara	D 40 1
D MA	Bodiford
	U

Reviewed by

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

Certificate of Analysis

Project:

Client ID:

Report Date: February 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24776
Sample ID: 568465001
Matrix: Ground Water
Collect Date: 24-JAN-22 09:54

Receive Date: 25-JAN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	rst Date	Time Batch	Method
Rad Gas Flow Proportional Counting											
GFPC, Ra228, Liquio	d "As Received"	ļ									
Radium-228		1.80	+/-0.952	1.34	3.00	pCi/L		JXC9	02/10/22	1047 2225013	1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		2.44	+/-1.03			pCi/L		1 NXL1	02/21/22	1146 2225022	2
Rad Radium-226											
Lucas Cell, Ra226, L	iquid "As Recei	ved"									
Radium-226	1. The state of th	0.644	+/-0.386	0.507	1.00	pCi/L		LXP1	02/11/22	1011 2222580	3
The following Analy	tical Methods v	vere perfo	ormed:								

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

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

85.5 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 11 SDG: 568465

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

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: February 21, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24801 Sample ID: 568465002 Matrix: Ground Water Collect Date: 24-JAN-22 11:40

Receive Date: 25-JAN-22 Client Collector:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting										3.
GFPC, Ra228, Liquid '	'As Received"										
Radium-228	U	0.544	+/-0.766	1.32	3.00	pCi/L		JXC9	02/10/22	1047 2225013	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.69	+/-0.940			pCi/L		1 NXL1	02/21/22	1146 2225022	2
Rad Radium-226											
Lucas Cell, Ra226, Liq	uid "As Recei	ved"									
Radium-226	5à	2.14	+/-0.545	0.365	1.00	pCi/L		LXP1	02/11/22	1011 2222580	3
The following Analytic	cal Methods w	ere perfo	ormed:								

Method Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recov	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 82.5 (15%-125%)

Notes:

1

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 4 of 11 SDG: 568465

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

QC Summary

Report Date: February 21, 2022

Page 1 of 2

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 568465

Parmname			NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow Batch 222	25013	<u> </u>											
QC1205011122 Radium-228	568465001	DUP	Uncertainty	1.80 +/-0.952		2.82 +/-1.36	pCi/L	44.1		(0% - 100%)	JXC9	02/10/2	2 10:46
QC1205011123 Radium-228	LCS		48.7 Uncertainty			36.7 +/-2.69	pCi/L		75.3	(75%-125%)		02/10/2	2 10:47
QC1205011121 Radium-228	MB		Uncertainty		U	0.432 +/-0.912	pCi/L					02/10/2	2 10:46
Rad Ra-226 Batch 222	2580	e											
QC1205006430 Radium-226	568465001	DUP	Uncertainty	0.644 +/-0.386		0.305 +/-0.236	pCi/L	71.4		(0% - 100%)	LXP1	02/11/2	2 10:11
QC1205006433 Radium-226	LCS		26.6 Uncertainty			23.8 +/-1.77	pCi/L		89.5	(75%-125%)		02/11/2	2 10:55
QC1205006428 Radium-226	MB		Uncertainty		U	0.161 +/-0.167	pCi/L					02/11/2	2 10:11
QC1205006432 Radium-226	568465001	MS	134 Uncertainty	0.644 +/-0.386		134 +/-9.69	pCi/L		99.6	(75%-125%)		02/11/2	2 10:55

Notes:

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

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

Page 5 of 11 SDG: 568465

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

QC Summary

Workorder: 568465 Page 2 of 2 Parmname NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time Η Analytical holding time was exceeded J See case narrative for an explanation Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. Μ M if above MDC and less than LLD M REMP Result > MDC/CL and < RDL N/A RPD or %Recovery limits do not apply. N1 See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier One or more quality control criteria have not been met. Refer to the applicable narrative or DER. Q R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative. Λ

h Preparation or preservation holding time was exceeded

RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

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.

Page 6 of 11 SDG: 568465

Radiochemistry Technical Case Narrative Santee Cooper SDG #: 568465

Product: Radium-226+Radium-228 Calculation

Analytical Method: Calculation

Analytical Procedure: GL-RAD-D-003 REV# 44

Analytical Batch: 2225022

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

GEL Sample ID# Client Sample Identification

568465001 AF24776 568465002 AF24801

Data Summary:

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

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified Analytical Procedure: GL-RAD-A-063 REV# 5

Analytical Batch: 2225013

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

GEL Sample ID# Client Sample Identification

568465001 AF24776 568465002 AF24801

1205011121 Method Blank (MB)

1205011122 568465001(AF24776) Sample Duplicate (DUP)

1205011123 Laboratory Control Sample (LCS)

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

Data Summary:

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

Product: Lucas Cell, Ra226, Liquid

Page 7 of 11 SDG: 568465

Analytical Method: EPA 903.1 Modified

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

Analytical Batch: 2222580

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

GEL Sample ID#	Client Sample Identification
568465001	AF24776
568465002	AF24801
1205006428	Method Blank (MB)
1205006430	568465001(AF24776) Sample Duplicate (DUP)
1205006432	568465001(AF24776) Matrix Spike (MS)
1205006433	Laboratory Control Sample (LCS)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

Aliquots for the matrix spikes, 1205006432 (AF24776MS), were reduced to conserve sample volume.

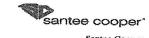
Certification Statement

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

Page 8 of 11 SDG: 568465

Chain of Custody

548463



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

Customer Email/Report Recipient:		Date	Date Results Needed by:					Project/Task/Unit #:						ny fla	agge	d Q		
LCW (LLIA @santeecooper.com									121567 JM02.09.601 J 36500						Yes No			
Labworks ID #		Sample Locati													Analysis Group			
(Internal us only)	district the second	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		Commen Method # Reporting limit Misc. sample info Any other notes		795	RAD 226	PAD 228	
AF 2479	74	CLFIB-1		1/24/2	2 1329	BRT BSB	1	B	G	GW	1/4							
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Carrier and Tracking Number				the second secon	
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	T 20	_		t Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group f	or further investigation.
pected Hazard Information			*If N		
		1	Haza	I Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No	
Shipped as a DOT Hazardous?			┼		
Did the client designate the samples are to be		1	coc	notation or radioactive stickers on containers equal client designation.	
eived as radioactive?	+	_	Max	min Net Counts Observed " (Observed Counts - Area background Counts)	/mR/Hr
Did the RSO classify the samples as loactive?		-		Classified as: Rad 1 Rad 2 Rad 3	
(Queti-v-		1	coc	notation or hazard labels on containers equal client designation.	
Did the client designate samples are hazardous	4—	\vdash		or F. is yes, select Hazards below.	
no a de naccidad hazarda)			- "	PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:	
Did the RSO identify possible hazards? Sample Receipt Criteria	Yes	1 5	12	Comments/Qualifiers (Required for Non-Conforming Items)
Shipping containers received intact and	+>	2		Circle Applicable: Seals broken Damaged container Leaking container Other (describe)	
sealed?				Circle Applicable: Client contacted and provided COC COC created upon receipt	
Chain of custody documents included				Circle Applicable: Client contacted and provided COC COC created upon receipt	
with shipment?	1	1	194	Preservation Method: Wet Ice Joe Packs Dry ice None Other:	TEMP:
Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	1	1		*all temperatures are recorded in Celsius	
Daily check performed and passed on II	2 0			Temperature Device Serial #: IR2-21 Secondary Temperature Device Serial # (If Applicable):	6
temperature gun?	-	-1		Circle Applicable: Seals broken Damaged container Leaking container Other (describe)	14
Sample containers intact and sealed?		1			
Samples requiring chemical preservation		- 1		Sample ID's and Containers Affected:	¥4.
at proper pH?	<u> </u>	1	-	If Preservation added, Lot#: If Yes, are Encores or Soil Kits present for solids? Yes No NA(If yes, take to Vo	DA.Freezer)
		4 4 50		Do liquid VOA vials contain acid preservation? Yes No NA (If unknown, select	
Do any samples require Volatile Analysis?				Are liquid VOA vials free of headspace? Yes No NA	
Allalysis.				Sample ID's and containers affected:	<u> </u>
	一		\$1	iD's and tests affected:	
8 Samples received within holding time?	`	7		ID's and containers affected:	1:
Sample ID's on COC match ID's on				7	•
bottles? Date & time on COC match date & time	20	7		Circle Applicable: No dates on containers No times on containers COC missing info	Other (describe)
on bottles?	"				•
Number of containers received match	T			Circle Applicable: No container count on COC Other (describe)	F 16
number indicated on COC?	_ `	1			
Are sample containers identifiable as GEL provided by use of GEL labels?				0.01.00.21.00.	<u> </u>
COC form is properly signed in				Circle Applicable: Not relinquished Other (describe)	
relinquished/received sections? Comments (Use Continuation Form if needed):		7			
				-	
			9 .	¥	
				4	

PM (or PMA) review: Initials

List of current GEL Certifications as of 21 February 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122021-1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-21-19
Utah NELAP	SC000122021-36
Vermont	VT87156
Virginia NELAP	460202
Washington	C780
wasiiington	C/80





February 17, 2022

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

RE: Project: 121567

Pace Project No.: 92585907

Dear Sherri Brown:

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

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

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

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

Sincerely,

Tyriek Hooks

tyriek.hooks@pacelabs.com

Tyrick Hooks

(704)875-9092

Project Manager

Enclosures

cc: Jeanette Gilmeti, Santee Cooper
Jeanette Gilmetti, Santee Cooper
Courtony Ames Matkins, Santee Coo

Courtney Ames Watkins, Santee Cooper Linda Williams, Santee Cooper







CERTIFICATIONS

Project: 121567
Pace Project No.: 92585907

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804 Florida/NELAP Certification #: E87648 North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030 South Carolina Certification #: 99030001 Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092 Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381 South Carolina Certification #: 98011001



SAMPLE ANALYTE COUNT

Project: 121567
Pace Project No.: 92585907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585907001	AF24794	EPA 6010D	KH	1	PASI-GA
92585907002	AF24795	EPA 6010D	KH	1	PASI-GA
92585907003	AF24796	EPA 6010D	KH	1	PASI-GA
92585907004	AF24797	EPA 6010D	KH	1	PASI-GA
92585907005	AF24798	EPA 6010D	KH	1	PASI-GA
92585907006	AF24800	EPA 6010D	KH	1	PASI-GA
92585907007	AF24804	EPA 6010D	KH	1	PASI-GA
92585907008	AF24799	EPA 6010D	KH	1	PASI-GA
92585907009	AF24802	EPA 6010D	KH	1	PASI-GA
92585907010	AF24776	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
92585907011	AF24801	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
92585907012	AF24803	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
92585907013	AF24805	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
92585907014	AF24806	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A
92585907015	AF24807	EPA 6010D	KH	1	PASI-GA
		EPA 6010D	CBV, RDT	2	PASI-A
		EPA 7470A	DBB1	1	PASI-A

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





Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24794 Lab ID: 92585907001 Collected: 01/24/22 13:29 Received: 02/02/22 11:00 Matrix: Water

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Pace Analytical Services - Peachtree Corners, GA

Boron ND mg/L 0.040 1 02/12/22 11:59 02/13/22 19:58 7440-42-8



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24795 Lab ID: 92585907002 Collected: 01/24/22 13:34 Received: 02/02/22 11:00 Matrix: Water

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Boron ND mg/L 0.040 1 02/12/22 11:59 02/13/22 20:27 7440-42-8

Pace Analytical Services - Peachtree Corners, GA



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24796 Lab ID: 92585907003 Collected: 01/24/22 14:43 Received: 02/02/22 11:00 Matrix: Water

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Pace Analytical Services - Peachtree Corners, GA

Boron ND mg/L 0.040 1 02/12/22 11:59 02/13/22 20:32 7440-42-8



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24797 Lab ID: 92585907004 Collected: 01/24/22 16:12 Received: 02/02/22 11:00 Matrix: Water

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Boron 0.071 mg/L 0.040 1 02/12/22 11:59 02/13/22 20:36 7440-42-8

Pace Analytical Services - Peachtree Corners, GA



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24798 Lab ID: 92585907005 Collected: 01/24/22 17:39 Received: 02/02/22 11:00 Matrix: Water

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Pace Analytical Services - Peachtree Corners, GA

Boron ND mg/L 0.040 1 02/12/22 11:59 02/13/22 20:41 7440-42-8



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24800 Lab ID: 92585907006 Collected: 01/25/22 11:01 Received: 02/02/22 11:00 Matrix: Water

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Pace Analytical Services - Peachtree Corners, GA

Boron ND mg/L 0.040 1 02/12/22 11:59 02/13/22 20:46 7440-42-8



Project: 121567 Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Lab ID: 92585907007 Sample: AF24804 Collected: 01/25/22 13:21 Received: 02/02/22 11:00 Matrix: Water CAS No. **Parameters** Results Units Report Limit DF Prepared Analyzed Qual 6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Pace Analytical Services - Peachtree Corners, GA

0.24 0.040 02/12/22 11:59 02/13/22 20:51 7440-42-8 Boron mg/L



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24799 Lab ID: 92585907008 Collected: 01/25/22 10:06 Received: 02/02/22 11:00 Matrix: Water

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Pace Analytical Services - Peachtree Corners, GA

Boron ND mg/L 0.040 1 02/12/22 11:59 02/13/22 20:55 7440-42-8



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24802 Lab ID: 92585907009 Collected: 01/25/22 13:42 Received: 02/02/22 11:00 Matrix: Water

Parameters Results Units Report Limit DF Prepared Analyzed CAS No. Qual

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A

Pace Analytical Services - Peachtree Corners, GA

Boron ND mg/L 0.040 1 02/12/22 11:59 02/13/22 21:10 7440-42-8



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24776	Lab ID: 9258	5907010	Collected: 01/25/2	2 09:54	Received: 02	2/02/22 11:00 I	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 6010	D Preparation Me	thod: E	PA 3010A			
	Pace Analytical	Services - P	eachtree Corners,	GA.				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:14	7440-42-8	
6010 MET ICP	Analytical Meth Pace Analytical		D Preparation Me sheville	thod: E	PA 3010A			
Lithium	0.66	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:04	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:30	7439-98-7	
7470 Mercury	Analytical Meth Pace Analytical)A Preparation Me sheville	thod: E	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:32	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24801	Lab ID: 9258	35907011	Collected: 01/25/2	2 11:40	Received: 02	2/02/22 11:00 I	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 6010	DD Preparation Me	thod: E	PA 3010A			
	Pace Analytical	Services - P	eachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:19	7440-42-8	
6010 MET ICP	Analytical Meth Pace Analytical		DD Preparation Me sheville	thod: E	PA 3010A			
Lithium Molybdenum	3.7 ND	ug/L ug/L	0.50 5.0	1 1		02/16/22 16:07 02/15/22 18:33		
7470 Mercury	Analytical Meth Pace Analytical		OA Preparation Me sheville	thod: E	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:38	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24803	Lab ID: 9258	35907012	Collected: 01/25/2	22 12:22	Received: 02	2/02/22 11:00 I	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 6010	DD Preparation Me	ethod: E	PA 3010A			
	Pace Analytical	Services - P	eachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:24	7440-42-8	
6010 MET ICP	Analytical Meth Pace Analytical		DD Preparation Me sheville	ethod: E	PA 3010A			
Lithium	10.6	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:10	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:43	7439-98-7	
7470 Mercury	Analytical Meth Pace Analytical		DA Preparation Me sheville	thod: E	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:40	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24805	Lab ID: 9258	5907013	Collected: 01/25/2	2 15:04	Received: 02	2/02/22 11:00 I	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 6010	D Preparation Me	thod: E	PA 3010A			
	Pace Analytical	Services - Pe	eachtree Corners,	GA.				
Boron	0.041	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:29	7440-42-8	
6010 METICP	Analytical Meth Pace Analytical		D Preparation Me sheville	ethod: E	PA 3010A			
Lithium	10.4	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:13	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:46	7439-98-7	
7470 Mercury	Analytical Meth Pace Analytical		A Preparation Me heville	thod: E	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:42	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24806	Lab ID: 9258	35907014 C	Collected: 01/26/2	2 10:30	Received: 02	2/02/22 11:00	vlatrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 6010	D Preparation Me	thod: E	PA 3010A			
	Pace Analytical	Services - Pe	eachtree Corners,	GA.				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:34	7440-42-8	
6010 MET ICP	Analytical Meth Pace Analytical		D Preparation Me	ethod: E	PA 3010A			
Lithium	3.7	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:17	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:50	7439-98-7	
7470 Mercury	Analytical Meth	od: EPA 7470	A Preparation Me	thod: E	PA 7470A			
	Pace Analytical	Services - As	sheville					
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:44	7439-97-6	



Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Sample: AF24807	Lab ID: 9258	35907015	Collected: 01/26/2	2 10:35	Received: 02	2/02/22 11:00 I	Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical Meth	od: EPA 6010	DD Preparation Me	thod: E	PA 3010A			
	Pace Analytical	Services - P	eachtree Corners,	GA				
Boron	ND	mg/L	0.040	1	02/12/22 11:59	02/13/22 21:38	7440-42-8	
6010 MET ICP	Analytical Meth Pace Analytical		D Preparation Me sheville	thod: E	PA 3010A			
Lithium	3.8	ug/L	0.50	1	02/08/22 09:53	02/16/22 16:20	7439-93-2	
Molybdenum	ND	ug/L	5.0	1	02/08/22 09:53	02/15/22 18:53	7439-98-7	
7470 Mercury	Analytical Meth Pace Analytical)A Preparation Me sheville	thod: E	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/11/22 19:30	02/17/22 10:46	7439-97-6	

75-125

108

105

1.1



QUALITY CONTROL DATA

Project: 121567
Pace Project No.: 92585907

Boron

Date: 02/17/2022 02:23 PM

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

ND

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585907001, 92585907002, 92585907003, 92585907004, 92585907005, 92585907006, 92585907007,

92585907008, 92585907009, 92585907010, 92585907011, 92585907012, 92585907013, 92585907014,

92585907015

METHOD BLANK: 3548157 Matrix: Water

mg/L

Associated Lab Samples: 92585907001, 92585907002, 92585907003, 92585907004, 92585907005, 92585907006, 92585907007,

92585907008, 92585907009, 92585907010, 92585907011, 92585907012, 92585907013, 92585907014,

92585907015 Blank Reporting Parameter Units Result Limit Analyzed Qualifiers 02/13/22 19:49 Boron ND mg/L LABORATORY CONTROL SAMPLE: 3548158 Spike LCS LCS % Rec Parameter Units Conc Result % Rec Limits Qualifiers Boron 1.0 101 80-120 mg/L MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548159 3548160 MS MSD 92585907001 Spike Spike MS MSD MS MSD % Rec Parameter Units Result Conc Conc. Result Result % Rec % Rec Limits **RPD** Qual

1.1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

121567 Project: Pace Project No.: 92585907

Mercury

Date: 02/17/2022 02:23 PM

QC Batch: 677748 Analysis Method: EPA 7470A QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

> Laboratory: Pace Analytical Services - Asheville

92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015 Associated Lab Samples:

METHOD BLANK: Matrix: Water

Associated Lab Samples: 92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015

> Blank Reporting

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

LABORATORY CONTROL SAMPLE: 3547269

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547270 3547271

> MS MSD 92585907010 Spike Spike MS

MSD MS MSD % Rec Parameter Units % Rec % Rec Limits RPD Qual Result Conc. Conc. Result Result ug/L ND 2.5 2.5 2.1 2.4 82 Mercury 96 75-125 16

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

121567 Project: Pace Project No.: 92585907

Lithium

Date: 02/17/2022 02:23 PM

QC Batch: 676661 Analysis Method: EPA 6010D QC Batch Method: EPA 3010A Analysis Description: 6010 MET

> Laboratory: Pace Analytical Services - Asheville

92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015 Associated Lab Samples:

METHOD BLANK: Matrix: Water

Associated Lab Samples: 92585907010, 92585907011, 92585907012, 92585907013, 92585907014, 92585907015

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

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3541766 3541767 MS MSD 35693149001 Spike Spike MS MSD MS MSD % Rec Conc. Qual Parameter Units Result Conc Result Result % Rec % Rec Limits **RPD** 3.5 Lithium ug/L 500 500 579 602 115 120 75-125 Molybdenum ug/L 14.0 500 500 517 535 101 104 75-125 3

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 121567

Pace Project No.: 92585907

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

Date: 02/17/2022 02:23 PM



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 121567
Pace Project No.: 92585907

Date: 02/17/2022 02:23 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585907001	AF24794	EPA 3010A	677938	EPA 6010D	677950
92585907002	AF24795	EPA 3010A	677938	EPA 6010D	677950
92585907003	AF24796	EPA 3010A	677938	EPA 6010D	677950
92585907004	AF24797	EPA 3010A	677938	EPA 6010D	677950
92585907005	AF24798	EPA 3010A	677938	EPA 6010D	677950
92585907006	AF24800	EPA 3010A	677938	EPA 6010D	677950
92585907007	AF24804	EPA 3010A	677938	EPA 6010D	677950
92585907008	AF24799	EPA 3010A	677938	EPA 6010D	677950
92585907009	AF24802	EPA 3010A	677938	EPA 6010D	677950
92585907010	AF24776	EPA 3010A	677938	EPA 6010D	677950
92585907011	AF24801	EPA 3010A	677938	EPA 6010D	677950
92585907012	AF24803	EPA 3010A	677938	EPA 6010D	677950
92585907013	AF24805	EPA 3010A	677938	EPA 6010D	677950
92585907014	AF24806	EPA 3010A	677938	EPA 6010D	677950
92585907015	AF24807	EPA 3010A	677938	EPA 6010D	677950
92585907010	AF24776	EPA 3010A	676661	EPA 6010D	676721
92585907011	AF24801	EPA 3010A	676661	EPA 6010D	676721
92585907012	AF24803	EPA 3010A	676661	EPA 6010D	676721
92585907013	AF24805	EPA 3010A	676661	EPA 6010D	676721
92585907014	AF24806	EPA 3010A	676661	EPA 6010D	676721
92585907015	AF24807	EPA 3010A	676661	EPA 6010D	676721
92585907010	AF24776	EPA 7470A	677748	EPA 7470A	677859
92585907011	AF24801	EPA 7470A	677748	EPA 7470A	677859
92585907012	AF24803	EPA 7470A	677748	EPA 7470A	677859
92585907013	AF24805	EPA 7470A	677748	EPA 7470A	677859
92585907014	AF24806	EPA 7470A	677748	EPA 7470A	677859
92585907015	AF24807	EPA 7470A	677748	EPA 7470A	677859

Pace Analytical

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

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

Laboratory receiving samples: Asheville X Eden Greenwood	Huntersville 🔲 🗆	Raleigh 🗌	Mechanicsville Atlanta Kernersville
Sample Condition Upon Receipt San tee Coop	766	Projec	
Courier: Fed Ex YUPS	USPS Other:	Client	92585907
Custody Seal Present? Yes XNo Seals in	tact? Yes	Мо	Date/Initials Person Examining Contents 2-2-22 AR
Packing Material: Bubble Wrap Bubbl	ë Bags 🔀 None [Other	Biological Tissue Frozen?
Thermometer:	☐Wet	☐8lue	Mindure No Min/A
Cooler Temp: Cooler Temp Corrected (°C): USDA Regulated Soll [[X] N/A, water sample) Did samples originate in a quarantine zone within the United	NA	eck maos)?	Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun Did samples originate from a foreign source (Internationally,
Yes XNo			including Hawaii and Puerto Rico)? Yes No
Charles of Countried in Opening 173	Win Du Cu		Comments/Discrepancy:
Chain of Custody Present?	No ON		
Samples Arrived within Hold Time? Short Hold Time Analysis (<72 hr.)?	ZYes □No □N		
Rush Turn Around Time Requested?	☐Yes ØNo ☐N		
Sufficient Volume?	ØYes □No □N		
Correct Containers Used? -Pace Containers Used?	XIYes □No □N	/A 6.	
Containers intact?	ØYes □No □N	/A 7.	6.7.
Dissolved analysis: Samples Field Filtered?	Yes No. MN		
Sample Labels Match COC?	As □Na □N	/A 9.	
-includes Date/Time/ID/Analysis Matrix:	/}		
Heads pace in VOA Vials (>5-6mm)?	Yes No KIN		
Trip Blank Present?	□Yes □No AN		
Trip Blank Custody Seals Present? COMMENTS/SAMPLE DISCREPANCY	YesNoNN	/A	Field Data Required? ☐Yes ☐No
		Lot	ID of aplit containers:
CLIENT NOTIFICATION/RESOLUTION			· I
Person contacted:	Da	te/Time: _	
Project Manager SCURF Review:	*		Date:
Project Manager SRF Review:			Date:



Document Name; Sample Condition Upon Receipt (SCUR)

Document No.: F-CAR-CS-033-Rev.08 Document Revised: November 15, 2021

Page 2 of 2 Issuing Authority: Pace Carolinas Quality Office

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

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

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

Project #

WO#: 92585907

PM: TIH

Due Date: 02/16/22

CLIENT: 97-SanteeCoo

Item#	BP4U-125 ml. Plastic Unpreserved (N/A) (Cl-)	8P3U-250 mL Plastic Unpreserved (N/A)	8P2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	8P45-125 mL Plastic H2SO4 (pH < 2) (CI-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP42-125 ml Plastic ZN Acetate & NaOH (>9)	BP48-125.mL Plastic NaOH (pH > 12) (G-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (CF)	AG1H-1 liter Amber HCI (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CI-)	AG15-1 liter Amber H2SO4 (pH <-2)	AG3S-250 mL Amber H2504 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mil VOA HCI (N/A)	VG9T-40 mt. VOA Na25203 (N/A)	VG9U-40 ml VOA Unpreserved (N/A)	DG9P-40 mLVOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SPZT-250 mt Sterile Plastic (N/A - lab)		BP3A-250 mt. Plastic (NH2)2504 (9.3-9.7)	AGOU-100 mt. Amber Unpresented vials (N/A)	VSGU-20 mt. Scintillation vials (N/A)	DG9U-40.mt-Amber-Unpreserved vials (N/A)
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		pH Ac	ljustment Log for Pres	erved Samples		
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added:	Lot.#
						··-

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

Pace Analytical	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: November 15, 2021 Page 2 of 2
	Document No.: F-CAR-CS-033-Rev.08	Issuing Authority: Pace Carolinas Quality Office
Check mark top half of box if pH an erified and within the acceptance ramples. Copyrights Control of the contr	ange for preservation	

	1	77	-1		Т	T	1	1	Т.	T -	'i'''	1-	بب						ή		15.	~							
	BP44-175 ml Olassic Heathers	enzuran (N/A) (CL.)	or su-250 rat. Plastic Unpreserved (N/A)	BPZU-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	8P4S-125 mL Plastic H2504 (pH < 2) (CH)	BP3N-250.mL plastic HNO3 [pH < 2]	8P42-125 ml, Plastic ZN Acecate & N2OH (>9)	BP08-125 mL Plastic NaOH (5H > 12) (CI-)	WGFU-Wide-mouthed Glass jar Unpreserved	AGIU-1 (Ref. Amber Unpreserved (N/A) (C-)	AG1H-1 licer Amber HGI (pH ~ 2)	AG3U-250 mt Amber Unpreserved (N/A) (C+)	AG15-1 Rec Amber H2504 (pH < 2);	AG35-250 mL Amber H2504 (pH < 2)	AG3A(DG3A)-250 mir Amber NH4CJ (N/A)(CI-)	DG9H-20 mL VOA HCI (N/A)	WG9T-40 mL VOA Na25203 (N/A)	VG9U-a0mL VOA Unpreserved (N/A)	DG9P:40 mt YOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kid-vPH/Gas lat (N/A)	SPST-125 mL Sterile Plastic (NJ/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		8P3A-250 mL Plastic (NH2)2504 (9.3-9.7)	AGDU-100 mL Amber Unpreserved viols (N/A)	VSGU-20 mt Schntillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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Sample ID	Type of Preservative	pH upon receipt	Justiment Log for Pres			
	THE OFFICIAL PRINTE	bu abou teckibi	Oate preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot H
<u> </u>						

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

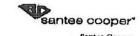
Chain of Custody



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

	Customer Email/Report Recipient:		Date Results Needed by:				Project/Task/Unit #:					Rerun request for any flagged QC				
	- remitte	@santeecooper.com	<u> </u>	J	/ <u>. </u>	_	[21	567	1 1	402.	09. GB / 36500		No		00	
	C	12585907										103	100	Anal	ele Gr	roup.
	Labworks ID # (Internal use only)	Sample Location/ Description	Collection Date	Collection Time	Sample Collector	Total 8 of containers	Bottle type: (Glass- G/Plastic-p)	Grab [9] oc. Composite (7)		Presenative (see	Comment of Method # Reporting limit Misc. sample info		to		ľ	
001	AF24794	CLFIB-I	1/24/22	(329	BET	1	P	G	GW	2	B-6010 RL=	NAME OF THE PROPERTY OF	×	+	+	\forall
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Chain of Custody



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

Customer Emi	stomer Email/Report Recipient;		Date Results Needed by:			, Project/Task/Unit #:					Rerun request for any flagged			
LEWILLIA	@santeecooper.com	m	//			121	547	. <u>/_</u>	M02.	09. GØI / 3650	Yes	No		
	NO.						Q. 18					1	<u>Analys</u>	s Gre
Labworks ID # (Internal use only)	Sample Location/ Description	Collection-Date	Collection Time	Sample Collecton	Total # of containers	Bottle type: (Glass: G/Placts. P)	Grab (G) per Composabe (C)	Matria(see below)	Presentitive (see	Method # Reporting limit Mise: sample int Any other notes		23	Li	0 8
4724799	CLEIB-5	1/25/22	1006	BSB BSB	1	†	G	GW	Z	B 6010 RL-1	JONE	X		_
F24803	P0Z-4		1222				j"		1	Ma 6010 RL=	loo PPB.	×	x	×
L 805	P0Z-6		1504				1.			Li 6010 RL= 40) tra	х	х	×
F 24806	P02-7	1/26/22	(030	Ĺ	L					HG 74-10 RL= 2	. 음악	×	×	×
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Ag El Cu			MISC BTEX: Néphaleina THAMIXA VQC DI & Graac E GBI TOGE COITO BTS Dissolved & Misolved & Rud 228 Rad 228	· E		Section 1	61. 1. , (p 1 1		Oth lets: subside these	- 8. Geologyy - Asel - Asel				

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

Preservative code- 1—<4°C 2—HNO₃ 3=H₂SO₄ 4-HCI 5=Na₂SO₃ 6-Other (Specify)











PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

March 04, 2022

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

Re: ABS Lab Analytical Work Order: 569496

Dear Ms. Gilmetti:

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

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

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

Sincerely,

Grace Bodiford

Grace Bodiford for Julie Robinson Project Manager

Purchase Order: 367074

Enclosures



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

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 569496 GEL Work Order: 569496

The Qualifiers in this report are defined as follows:

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

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

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

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

	Grace	Bodiford
Reviewed by		U

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

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: March 4, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24788
Sample ID: 569496001
Matrix: Ground Water
Collect Date: 31-JAN-22 11:50

Receive Date: 04-FEB-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analys	st Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting	5									
GFPC, Ra228, Liquid	"As Received"										
Radium-228		5.86	+/-1.45	1.66	3.00	pCi/L		JXC9	03/04/22	0848 2227107	1
Radium-226+Radium-	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		6.81	+/-1.51			pCi/L		NXL1	03/04/22	1032 2227108	2
Rad Radium-226											
Lucas Cell, Ra226, Lic	quid "As Recei	ved"									
Radium-226		0.954	+/-0.443	0.528	1.00	pCi/L		LXP1	02/28/22	1055 2227106	3
The following Analyt:	ical Methods w	ere perfo	rmed:								

Method Description

EPA 904.0/SW846 9320 Modified
Calculation
EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

86.4 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 16 SDG: 569496

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

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: March 4, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24789 Sample ID: 569496002 Matrix: Ground Water Collect Date: 31-JAN-22 12:42 Receive Date:

Client

04-FEB-22

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proport:	ional Counting										3
GFPC, Ra228, Liquid	"As Received"										
Radium-228		2.33	+/-0.961	1.26	3.00	pCi/L		JXC9	03/04/22	0848 2227107	1
Radium-226+Radium-	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		3.40	+/-1.05			pCi/L		NXL1	03/04/22	1032 2227108	2
Rad Radium-226											
Lucas Cell, Ra226, Lic	quid "As Recei	ved"									
Radium-226	5	1.07	+/-0.423	0.366	1.00	pCi/L		LXP1	02/28/22	0814 2227106	3
The following Analyti	cal Methods w	ere perfo	rmed:								

Method Description

EPA 904.0/SW846 9320 Modified 2 Calculation EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 89.4 (15%-125%)

Notes:

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

Column headers are defined as follows:

Collector:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 4 of 16 SDG: 569496

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

Certificate of Analysis

Project:

Client ID:

Report Date: March 4, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24790 Sample ID: 569496003 Matrix: Ground Water Collect Date: 31-JAN-22 12:47 Receive Date:

04-FEB-22 Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analys	st Date	Time Batch	Method
Rad Gas Flow Propo	rtional Counting	5									
GFPC, Ra228, Liqui	d "As Received"										
Radium-228		2.46	+/-1.13	1.62	3.00	pCi/L		JXC9	03/04/22	0848 2227107	1
Radium-226+Radium	n-228 Calculatio	n "See Pa	rent Products"			8 ■ N2-2016094 084.					
Radium-226+228 Sum		3.01	+/-1.18			pCi/L		NXL1	03/04/22	1032 2227108	2
Rad Radium-226											
Lucas Cell, Ra226, I	Liquid "As Recei	ved"									
Radium-226		0.555	+/-0.333	0.427	1.00	pCi/L		LXP1	02/28/22	0814 2227106	3
The following Analy	ytical Methods w	ere perfo	rmed:								
Method	Description						Analy	et Commente			

Method	Description	Analyst Comment
1	EPA 904.0/SW846 9320 Modified	-
•	TO A TO A STORY OF A PROPERTY AND A STORY OF	

Calculation 2 EPA 903.1 Modified

Collector:

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 87.8 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 5 of 16 SDG: 569496

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

Certificate of Analysis

Report Date: March 4, 2022

DF Analyst Date Time Batch Method

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Result Uncertainty

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF24791 Sample ID: 569496004 Matrix: Ground Water

Collector: Client

Qualifier

Collect Date:	31-JAN-22 14:21
Receive Date:	04-FEB-22
C 11	C11.

RL

MDC

Project:

Units

Client ID:

PF

	0750					150			
Rad Gas Flow Prop	portional Counting								
GFPC, Ra228, Liq	uid "As Received"								
Radium-228	5.39	+/-1.32	1.42	3.00	pCi/L	JXC9	03/04/22	0849 2227107	1
Radium-226+Radio	um-228 Calculation "See Pa	rent Products"							
Radium-226+228 Sum	6.17	+/-1.38			pCi/L	NXL1	03/04/22	1032 2227108	2
Rad Radium-226									
Lucas Cell, Ra226,	, Liquid "As Received"								
Radium-226	0.784	+/-0.394	0.459	1.00	pCi/L	LXP1	02/28/22	0814 2227106	3
The following Ana	alytical Methods were perfor	rmed:							
Method	Description				Anal	yst Comment:	S		
1	EPA 904.0/SW846 9320 N	Iodified			-				
2	Calculation								
3	EPA 903.1 Modified								

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 89.6 (15%-125%)

Notes:

Parameter

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

Project:

Client ID:

Analyst Comments

Report Date: March 4, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF24792 Sample ID: 569496005 Matrix: Ground Water Collect Date: 31-JAN-22 15:17

Receive Date: 04-FEB-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting										
GFPC, Ra228, Liquid	"As Received"										
Radium-228		3.60	+/-1.54	2.27	3.00	pCi/L		JXC9	03/04/22	0849 2227107	1
Radium-226+Radium-	-228 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		4.85	+/-1.60			pCi/L		NXL1	03/04/22	1032 2227108	2
Rad Radium-226											
Lucas Cell, Ra226, Lie	quid "As Recei	ved"									
Radium-226		1.25	+/-0.440	0.383	1.00	pCi/L		LXP1	02/28/22	0814 2227106	3
The following Analyt	ical Methods w	ere perfo	rmed:								

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recov	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 85.4 (15%-125%)

Notes:

Method

1

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: March 4, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Client

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24793 Sample ID: 569496006 Matrix: Ground Water Collect Date: 31-JAN-22 16:27 Receive Date: 04-FEB-22

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	5									
GFPC, Ra228, Liquid "	As Received"										
Radium-228		2.92	+/-1.26	1.80	3.00	pCi/L		JXC9	03/04/22	0849 2227107	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		3.44	+/-1.33			pCi/L		NXL1	03/04/22	1032 2227108	2
Rad Radium-226											
Lucas Cell, Ra226, Liqi	uid "As Recei	ved"									
Radium-226	U	0.525	+/-0.402	0.606	1.00	pCi/L		LXP1	02/28/22	0814 2227106	3
The following Analytic	al Methods w	ere perfo	rmed:								

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

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 86.4 (15%-125%)

Notes:

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

Column headers are defined as follows:

Collector:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 8 of 16 SDG: 569496

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

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: March 4, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF24808
Sample ID: 569496007
Matrix: Ground Water
Collect Date: 31-JAN-22 10:29

Receive Date: 04-FEB-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analys	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										3.
GFPC, Ra228, Liquid ".	As Received"										
Radium-228	U	1.49	+/-1.02	1.58	3.00	pCi/L		JXC9	03/04/22	0849 2227107	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		1.64	+/-1.05			pCi/L		NXL1	03/04/22	1032 2227108	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226	U	0.152	+/-0.259	0.469	1.00	pCi/L		LXP1	02/28/22	0848 2227106	3
The following Analytic	al Methods w	ere perfo	ormed:								

The following F	analytical Methods were performed.
Method	Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recov	verv Test	Result	Nominal	Recovery%	Acceptable Limit

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limit Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 84.8 (15%-125%)

Notes:

1

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/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

QC Summary

Report Date: March 4, 2022

Page 1 of 2

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 569496

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Gas Flow Batch 2227107								-8
QC1205015371 569496001 DUP Radium-228		5.86	2.40	pCi/L	83.8		(0% - 100%) JXC9	03/04/22 08:47
	Uncertainty	+/-1.45	+/-1.17					
QC1205015372 LCS								
Radium-228	47.3		42.4	pCi/L		89.7	(75%-125%)	03/04/22 08:48
	Uncertainty		+/-3.27					
QC1205015370 MB								
Radium-228		U	1.15	pCi/L				03/04/22 08:47
	Uncertainty		+/-1.11					
Rad Ra-226								
Batch 2227106 ——								
QC1205015366 569496001 DUP		0.054	0.070	G: /I	0.01		(00/ 1000/) TATEL	02/20/22 11 20
Radium-226	Uncertainty	0.954 +/-0.443	0.878 +/-0.406	pCi/L	8.31		(0% - 100%) LXP1	02/28/22 11:30
	Officertainty	17-0.445	17-0.400					
QC1205015368 LCS								
Radium-226	26.4		24.9	pCi/L		94.5	(75%-125%)	02/28/22 08:48
	Uncertainty		+/-1.75					
QC1205015365 MB								
Radium-226		U	0.0706	pCi/L				02/28/22 08:48
	Uncertainty		+/-0.259					
QC1205015367 569496001 MS								
Radium-226	170	0.954	141	pCi/L		82.8	(75%-125%)	02/28/22 08:48
	Uncertainty	+/-0.443	+/-11.4					

Notes:

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

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

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QC Summary

Workorder: 569496 Page 2 of 2 Parmname NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time Η Analytical holding time was exceeded J See case narrative for an explanation Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. Μ M if above MDC and less than LLD M REMP Result > MDC/CL and < RDL N/A RPD or %Recovery limits do not apply. N1 See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier One or more quality control criteria have not been met. Refer to the applicable narrative or DER. Q R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative.

A RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

Page 11 of 16 SDG: 569496

Radiochemistry Technical Case Narrative Santee Cooper SDG #: 569496

Product: GFPC, Ra228, Liquid

<u>Analytical Method:</u> EPA 904.0/SW846 9320 Modified <u>Analytical Procedure:</u> GL-RAD-A-063 REV# 5

Analytical Batch: 2227107

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

GEL Sample ID#	Client Sample Identification
569496001	AF24788
569496002	AF24789
569496003	AF24790
569496004	AF24791
569496005	AF24792
569496006	AF24793
569496007	AF24808
1205015370	Method Blank (MB)
1205015371	569496001(AF24788) Sample Duplicate (DUP)
1205015372	Laboratory Control Sample (LCS)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts

Samples were recounted to verify sample results. Recounts are reported.

<u>Product:</u> Lucas Cell, Ra226, Liquid <u>Analytical Method:</u> EPA 903.1 Modified

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

Analytical Batch: 2227106

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

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

Page 12 of 16 SDG: 569496

569496005	AF24792
569496006	AF24793
569496007	AF24808
1205015365	Method Blank (MB)
1205015366	569496001(AF24788) Sample Duplicate (DUP)
1205015367	569496001(AF24788) Matrix Spike (MS)
1205015368	Laboratory Control Sample (LCS)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

The matrix spike, 1205015367 (AF24788MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

Page 13 of 16 SDG: 569496

Chain of Custody

5694196



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

Custo	mer Emai	il/Report Recipi	ent:	Date F	Results N	eeded b	y:		Pr	roject/	/Task/	Unit #:		Rerun request	for a	ny fla	gged QC
بد	WILLA	@santee	cooper.com		//			121	567	<u> </u>	102.0	OFT. GE	81 <u>J 36500</u>	Yes	No		
														Ni oroni Ni ora della mare	£	ınalysi	s Group
100000000000000000000000000000000000000	orks ID # nal use	Sample Locati Description	on/	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	•	Commen Method # Reporting limit Misc. sample info Any other notes	ts	KAD 226	RAD 228	TOTAL RAD CALC
AF2	4788	CO1P-1		V31/22	1150	BSB	2	P	G	GW	2				1	1	X
	89	CGYP-2			124-2	1		1						Control of the last of the las			1
	90	CGYP-2 D	UP		1247									and the bullets and the			
	71	CGIP-3			1421									Residence of the second			
	92	CGYP-4			1517					465							
上	93	CGYP-6			1627												
AF2	4808	POZ-8			1029		1			L					L		I
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Reli	nquished by:	Employee#	Date	Time	Receiv	ed by:	Er	nployee	#	Date		Time		eiving (Internal L):			Tarkat Tarkat
- 11	wun	35594	2/4/22	1117	£	41	100	GEL		2/4/2	22	1117	Correct pE		unuai		
Reli	nquished by:	Employee#	Date/	Time	Receiv	ed by:	Er	nployee	#	Date		Time	Preservativ				
Reli	nquished by:	Employee#	2/4/2-1 Date	/255 Time	Receiv	ed by:	Er	nployee	Ħ	Date		Time	- Treservati	e Lour:			
					L		6	162	1	74	12 Y	<u> 255</u>	Date/Time/	Init for preserva	tive:		
□Ag		ETALS (all)	<u>Nuti</u>	rients	MIS	SC.			<u>psun</u>			<u>Co</u>		Flyash		Cill	
□Al		DESMANDICO ESTONACION ESTACONOCIONAS DE RESERVADADOS	TOO		☐ BTEX ☐ Napthale	ne		Wallbo Gen	ard Sum(<i>al</i>	7		Ultimate II % Me	\$ 10 TO	xmmonia .		is, Oil Name	
□ As	□K	□Sn	(TP/	TPO4	□ THM/HA □ VOC			beloi	17			□ Ash		Ol 6 Carbon	1.1	ii.+	
DΒ	□Li	□ Sr	I NH.	3-N	□ Oil & Gr	ease		li Al To			1	∪ Sulfu	r (193	4ineral	- Div		Ne grant
□ Ba	ΠМ	g □Ti	i CI		☐ E. Coli ☐ Total Co	liform		C To	al metal			☐ BTUs ☐ Votat		Analysis ieve	11		d Course
□Ве	□М	n □Tl	UNO.		□pH				able Me ity (CaS		1	CHN	1009	a Moisture	Use	d Oil	
□ Ca	□M	o □ V	LI Br		☐ Dissolve			D %A D Sul	doishire Bio		100	her Test CRF Sonn		inner		ielipuu Hille ii	
□ Cd	□N	a □ Zn	. 0.504		☐ Rad 226			Opti			្យា	lGl		WPDES	1.4	x (* 1) t	1201.89
□ Co	□Ni				☐ Rad 228 ☐ PCB			O Chi O Pari	orides licle Siz	·		ineness articulate	Matter DA	6	. 11		
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			P. S.				<u>الله</u>				ـــاك						



GEL Laboratories LLC

Client: SOOP				SD	G/AR/COC/Work Order: 5 69490	
Re	ceived By: DC			Da	te Received: 7-4-72	
	Carrier and Tracking Number		10 R		FedEx Express FedEx Ground UPS Field Services Cou	rier Other
Sus	pected Hazard Information	Yes	Š	*If	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Grou	p for further investigation.
A)S	hipped as a DOT Hazardous?		K	Haz	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No	
	Did the client designate the samples are to be ived as radioactive?		X	СО	C notation or radioactive stickers on containers equal client designation.	
	Did the RSO classify the samples as pactive?		X	Ma	kimum Net Counts Observed* (Observed Counts - Area Background Counts):CPI Classified as: Rad 1	M/mR/Hr
	Did the client designate samples are hazardous?		X	/	C notation or hazard labels on containers equal client designation. For E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:	
E) L	Did the RSO identify possible hazards?	8	I ←	I o	0	<u> </u>
1	Sample Receipt Criteria Shipping containers received intact and sealed?	Yes	NA	2	Comments/Qualifiers (Required for Non-Conforming Iten Circle Applicable: Seals broken Damaged container Leaking container Other (describe)	15)
2	Chain of custody documents included with shipment?	<u>ر</u>			Circle Applicable: Client contacted and provided COC COC created upon receipt	
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	L			Preservation Method: Wet Ice Ice Packs Dry ice None Other:	TEMP: 30
4	Daily check performed and passed on IR temperature gun?	L			Temperature Device Serial #: IR6-21 Secondary Temperature Device Serial # (If Applicable):	Marie Control
5	Sample containers intact and sealed?	L			Circle Applicable: Scals broken Damaged container Leaking container Other (describe)	
6	Samples requiring chemical preservation at proper pH?	L			Sample ID's and Containers Affected: If Preservation added, Lot#:	
7	Do any samples require Volatile Analysis?			-	If Yes, are Encores or Soil Kits present for solids? Yes No NA (If yes, take to Vo Do Jiquid VOA vials contain acid preservation? Yes No NA (If unknown, select Are liquid VOA vials free of headspace? Yes No NA Sample ID's and containers affected:	
8	Samples received within holding time?	L		<u> </u>	ID's and tests affected:	
9	Sample ID's on COC match ID's on bottles?	L			ID's and containers affected:	
10	Date & time on COC match date & time on bottles?	L			Circle Applicable: No dates on containers No times on containers COC missing info O	ther (describe)
11	Number of containers received match number indicated on COC?				Circle Applicable: No container count on COC Other (describe)	
12	Are sample containers identifiable as GEL provided by use of GEL labels? COC form is properly signed in			34	Circle Applicable: Not relinquished Other (describe)	
13 Con	relinquished/received sections? ments (Use Continuation Form if needed):					
					ą.	

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 04 March 2022

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





March 10, 2022

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

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

Dear Sherri Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on February 10, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

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

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

Sincerely,

Tyriek Hooks

tyriek.hooks@pacelabs.com

Tyrick Hooks

(704)875-9092

Project Manager

Enclosures

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







CERTIFICATIONS

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804 Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712 North Carolina Wastewater Certification #: 40

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315 Georgia DW Inorganics Certification #: 812 South Carolina Laboratory ID: 99030 South Carolina Certification #: 99030001 Virginia/VELAP Certification #: 460222

North Carolina Certification #: 381 South Carolina Certification #: 98011001



SAMPLE ANALYTE COUNT

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92587561001	AF24788	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561002	AF24789	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561003	AF24790	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561004	AF24791	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561005	AF24792	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561006	AF24793	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561007	AF24808	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561008	AF24764	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561009	AF24765	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561010	AF24766	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A
92587561011	AF24767	EPA 6010D	KH	1	PASI-GA
		EPA 7470A	DBB1	1	PASI-A

PASI-A = Pace Analytical Services - Asheville

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



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24788	Lab ID: 925	87561001	Collected: 01/31/2	22 11:50	Received: 02	1/10/22 11:15 N	/latrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
6010D ATL ICP	AL REAL WAY - AND A REAL PROPERTY.		10D Preparation Me Peachtree Corners,		PA 3010A						
Boron	10.3	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:03	7440-42-8				
7470 Mercury	4.5 PEDENT # # ENTERT SERVICES OVA 25	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:36	7439-97-6	H1			



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24789	Lab ID: 92	587561002	Collected: 01/31/2	22 12:42	Received: 02	1/10/22 11:15 I	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
6010D ATL ICP	#4.1 MODELATE ■ 100 MODELATE CALAST		10D Preparation Me Peachtree Corners,		PA 3010A						
Boron	0.96	mg/L	0.040	1	02/22/22 07:59	02/23/22 01:41	7440-42-8				
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:38	7439-97-6	H1			



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24790	Lab ID: 92	587561003	Collected: 01/31/2	22 12:47	Received: 02	2/10/22 11:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
6010D ATL ICP	ALTERNATION CONTRACTOR		10D Preparation Me Peachtree Corners,		PA 3010A						
Boron	0.92	mg/L	0.040	1	02/22/22 07:59	02/23/22 01:46	7440-42-8				
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:41	7439-97-6	H1			



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24791	Lab ID: 925	87561004	Collected: 01/31/2	2 14:21	Received: 02	/10/22 11:15 N	/latrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
6010D ATL ICP			10D Preparation Me Peachtree Corners,		PA 3010A						
Boron	19.1	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:18	7440-42-8				
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:43	7439-97-6	H1			



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24792	Lab ID: 92	87561005	Collected: 01/31/2	22 15:17	Received: 02	1/10/22 11:15 N	//atrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
6010D ATL ICP	ALTERNATION OF PROPERTY AND ADDRESS OF A PER		10D Preparation Me		PA 3010A						
Boron	6.8	mg/L	0.040		02/22/22 07:59	02/23/22 14:23	7440-42-8				
7470 Mercury	4.5 TO DE VISIT - CONTRACTOR CONT	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:46	7439-97-6	H1			



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Date: 03/10/2022 07:40 PM

Sample: AF24793	Lab ID: 925	87561006	Collected: 01/31/2	22 16:27	Received: 02	1/10/22 11:15 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	A 3 100 CO 100 TO 100 CO 100 C		10D Preparation Mo Peachtree Corners,		PA 3010A			
Boron	6.2	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:27	7440-42-8	
7470 Mercury	Analytical Met Pace Analytica		70A Preparation Me Asheville	ethod: EF	PA 7470A			
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:48	7439-97-6	H1



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24808	Lab ID: 92	587561007	Collected: 01/31/2	22 10:29	Received: 02	1/10/22 11:15 N	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
6010D ATL ICP			10D Preparation Me Peachtree Corners,		PA 3010A						
Boron	11.7	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:32	7440-42-8				
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 13:51	7439-97-6	H1			



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24764	Lab ID: 925	87561008	Collected: 02/03/2	22 10:38	Received: 02	2/10/22 11:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual			
6010D ATL ICP			10D Preparation Mo Peachtree Corners,		PA 3010A						
Boron	ND	mg/L	0.040	1	02/22/22 07:59	02/23/22 02:20	7440-42-8				
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 14:02	7439-97-6				



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24765	Lab ID:	92587561009	Collected: 02/03/2	22 12:10	Received: 02	2/10/22 11:15 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical I	Vlethod: EPA 60	110D Preparation Me	ethod: EF	PA 3010A			
	Pace Analy	tical Services -	Peachtree Corners,	GA				
Boron	NE	mg/L	0.040	1	02/22/22 07:59	02/23/22 02:25	7440-42-8	
7470 Mercury	Analytical I	Method: EPA 74	70A Preparation Me	ethod: EF	PA 7470A			
	Pace Analy	tical Services -	Asheville					
Mercury	NE	ug/L	0.20	1	02/28/22 17:00	03/01/22 14:04	7439-97-6	



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24766	Lab ID:	92587561010	Collected: 02/03/2	22 12:10	Received: 02	2/10/22 11:15 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	Analytical I	vlethod: EPA 60	110D Preparation Me	ethod: EF	PA 3010A			
	Pace Analy	tical Services -	Peachtree Corners,	GA				
Boron	4.0	mg/L	0.040	1	02/22/22 07:59	02/23/22 14:37	7440-42-8	
7470 Mercury	Analytical I	Method: EPA 74	70A Preparation Me	ethod: EF	PA 7470A			
	Pace Analy	tical Services -	Asheville					
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 14:07	7439-97-6	



Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Sample: AF24767	Lab ID: 9	2587561011	Collected: 02/03/2	22 14:30	Received: 02	2/10/22 11:15 N	/latrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP	All Michigan In the Control of Co		10D Preparation Me		PA 3010A			
	Pace Analy	tical Services -	Peachtree Corners,	GA				
Boron	31.2	mg/L	0.040	1	02 <i>1</i> 22 <i>1</i> 22 07:59	02/23/22 14:42	7440-42-8	
7470 Mercury	Analytical N	lethod: EPA 74	70A Preparation Me	ethod: EF	PA 7470A			
	Pace Analy	tical Services -	Asheville					
Mercury	ND	ug/L	0.20	1	02/28/22 17:00	03/01/22 14:09	7439-97-6	



QUALITY CONTROL DATA

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Boron

Date: 03/10/2022 07:40 PM

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

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92587561001, 92587561002, 92587561003, 92587561004, 92587561005, 92587561006, 92587561007,

92587561008, 92587561009, 92587561010, 92587561011

METHOD BLANK: 3557339 Matrix: Water

Associated Lab Samples: 92587561001, 92587561002, 92587561003, 92587561004, 92587561005, 92587561006, 92587561007,

92587561008, 92587561009, 92587561010, 92587561011

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 mg/L
 ND
 0.040
 02/23/22 01:12
 Qualifiers

LABORATORY CONTROL SAMPLE: 3557340

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3557341 3557342

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

Parameter Units Result Conc Conc. Result Result % Rec % Rec Limits RPD Qual 10.3 11.5 11.5 0 Boron 120 118 75-125 mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALITY CONTROL DATA

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Date: 03/10/2022 07:40 PM

QC Batch: 681014 Analysis Method: EPA 7470A

QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92587561001, 92587561002, 92587561003, 92587561004, 92587561005, 92587561006, 92587561007,

92587561008, 92587561009, 92587561010, 92587561011

METHOD BLANK: 3562854 Matrix: Water

Associated Lab Samples: 92587561001, 92587561002, 92587561003, 92587561004, 92587561005, 92587561006, 92587561007,

92587561008, 92587561009, 92587561010, 92587561011

Blank Reporting

 Parameter
 Units
 Result
 Limit
 Analyzed
 Qualifiers

 Mercury
 ug/L
 ND
 0.20
 03/01/22 12:52

LABORATORY CONTROL SAMPLE: 3562855

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562856 3562857

MSD MS 92587553001 Spike Spike MS MSD MS MSD % Rec Parameter Units Result Conc Conc. Result Result % Rec % Rec Limits

 Parameter
 Units
 Result
 Conc.
 Conc.
 Result
 Result
 % Rec
 % Rec
 Limits
 RPD
 Qual

 Mercury
 ug/L
 ND
 2.5
 2.5
 2.5
 99
 100
 75-125
 1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

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

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

Date: 03/10/2022 07:40 PM

H1 Analysis conducted outside the EPA method holding time.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 121567/JM02.09.G01

Pace Project No.: 92587561

Date: 03/10/2022 07:40 PM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92587561001	AF24788	EPA 3010A	679913	EPA 6010D	680050
92587561002	AF24789	EPA 3010A	679913	EPA 6010D	680050
92587561003	AF24790	EPA 3010A	679913	EPA 6010D	680050
92587561004	AF24791	EPA 3010A	679913	EPA 6010D	680050
92587561005	AF24792	EPA 3010A	679913	EPA 6010D	680050
92587561006	AF24793	EPA 3010A	679913	EPA 6010D	680050
92587561007	AF24808	EPA 3010A	679913	EPA 6010D	680050
92587561008	AF24764	EPA 3010A	679913	EPA 6010D	680050
92587561009	AF24765	EPA 3010A	679913	EPA 6010D	680050
92587561010	AF24766	EPA 3010A	679913	EPA 6010D	680050
92587561011	AF24767	EPA 3010A	679913	EPA 6010D	680050
92587561001	AF24788	EPA 7470A	681014	EPA 7470A	681548
92587561002	AF24789	EPA 7470A	681014	EPA 7470A	681548
92587561003	AF24790	EPA 7470A	681014	EPA 7470A	681548
92587561004	AF24791	EPA 7470A	681014	EPA 7470A	681548
92587561005	AF24792	EPA 7470A	681014	EPA 7470A	681548
92587561006	AF24793	EPA 7470A	681014	EPA 7470A	681548
92587561007	AF24808	EPA 7470A	681014	EPA 7470A	681548
92587561008	AF24764	EPA 7470A	681014	EPA 7470A	681548
92587561009	AF24765	EPA 7470A	681014	EPA 7470A	681548
92587561010	AF24766	EPA 7470A	681014	EPA 7470A	681548
92587561011	AF24767	EPA 7470A	681014	EPA 7470A	681548

Pace Analytical"

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

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

Asheville X Eden Gree	enwood 🗌 Hunte	rsville 🗌	Raleigh] Mechanicsville	Atlanta[]	Kernersville
Sample Condition Client Name Upon Receipt San Fee	,		Proje	ect WO#: 92	25875	61
Courler: XFed Ex Commercial Pace	UP\$ US	PS her:	□Client			
Custody Seal Present? Yes	JNo Seals Intact?	Yes	. Non∏X.	92587!561 Date/Initials Person	Examining Content	5:2-10-22 AR
	Type of rection Factor: d/Subtract (*C)	fice;	☐ Other Wet ☐Blue			
Cooler Temp Corrected (°C): USDA Regulated Soll (🏋 N/A, water samp Did samples originate in a quarantine zone w Yes 💹 No	NA old): oldlin the United States: (ZA, NY, or SC	(check maps)?	has begun Did samples originate from including Hawaii and Puerto	a foreign source (int	
Chain of Custody Present?	⊠ Yes	. □No	□N/A 1.			***************************************
			1			
Samples Arrived within Hold Time?	XYes		□N/A 2,	Na. Pramiti Tulia.	'= : : : : -	
Short Hold Time Analysis (<72 hr.)? Rush Turn Around Time Requested?			□N/A 3. □N/A 4.		·	
		VI-015	VIII VIII VIII VIII VIII VIII VIII VII			
Sufficient Volume?	Yes	-	□N/A 5.			
Correct Containers Used? Pace Containers Used?	X Yes X Yes		□N/A '6.			
Containers intact?	∑ 0 Yes	□Ño	□NZA. 7.			
Dissolved analysis: Samples Field Filtere	ed? ☐Yès	□No	№ 1N/A 8.			
Sample Läbels Match COC?	₩ Yes	.∐No	□́ν/λ 9.			
-Includes Date/Time/ID/Analysis M	atrix: WT			***		
Heads pace in VOA Vials (>5-6mm)? Trip Blank Present?	☐Yes		N/A 10.			
THE STATE OF THE S	☐Yes·		7			
Trip Blank Custody Seals Present? COMMENTS/SAMPLE DISCREPANCY	∏Yes	No	ØN/A ∐	·	ield Data Required	7 □Yëş □No
				t ID of split containers:		
CLIENT NOTIFICATION/RESOLUTION	,			- Se apri Virginia (1)		
Person contacted:			Date/Time:			
Project Manager SCURF Review:			~	Date:		
Decinet Manager SRE Review				Dates		



Document Name: Sample Condition Upon Receipt (SCUR)

Document No.: F-CAR-CS-033-Rev.08 Document Revised: November 15, 2021 Page 2 of 2

Issuing Authority: Pace Carolinas Quality Office

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

Project #

92587561

Due Date: 02/24/22

sampres.

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

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

CLIENT: 97-SanteeCoo

ltem#	BP4U-125 ml. Plastic Unpreserved (N/A) (CI-)	BP3U-250 mt. Plastic Unpreserved (IV/A)	8P2U-S00,mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H2SO4 (pH < 2) (CI-)	BP3N-250 mL plastic HNO3 (pH < 2)	8P42-125 mt. Plastic ZN Acetate & NaOH (>9)	BP48-125.mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AGIU-1 liter Amber Unpreserved (N/A) (G-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CI-)	AG15-1-liter Amber H2504 (pH < 2)	AG35-250 mL Amber H2504 (pH < 2)	AG3A[DG3A]-250 mL Amber NH4CI (N/A)(CI-)	DG9H-40 mL VDA HCI (N/A)	VG9T-40 mt, VOA Na252O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mLVOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per lat)-YPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic [N/A - lab]		BP3A-250 mL Plastic (NH2)2504 (9.3-9.7)	AGGL-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mt_Scintillation yials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1					1	X		1		!				/	1					+ 54								
2	/					Y	/				1				1				:						1			
3	1			·	1	X	1				1			1	1			•								î		
4						X						-																
5	1				7	X		7			1		7	abla	7										1			2
6	1	1			J	Y	7	1			1		J	7	7		1								/			
7						Y		7					7	1	1								-		/			
8						X		1			1		7	1	1									1	1			
9.	1					X	1	1		7.	7				1							,		1	1	7		
10	1	:				X	1	/							1									1	7			
11					7	X					/		1	T	/								:	1	1			
12					1	7	1	1			1		7		1									1	1			

pH Adjustment Log for Preserved Samples										
Sample ID	Type of Preservative	bH nbou tecelbt	Date preservation adjusted	Time preservation: adjusted	Amount of Preservative added:	Lot #				
						·				

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

Chain of Custody

santee oooper

Santee Cooper One Riverwood Drive Moneke Corner, 80 29461 Pitone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

	Customer Email	/Report Reciplent:	Date Results Needed by:				Project/Task/Unit #:						Rerun request for any flagged Q				QC
	LCWILLIA	@santeecooper.com		ر			1215	567	J JM	2.0	7. G-Ø1	36200	Yes	No			
(9258751	01			· ·							,		P	malysi	s Grou	îσ
	Latiworks ID # (Internaluse only)	Sample Location/ Description	Collection Bate	Collection Time	Sample Collector	Total # of containers	Bottle type (Glass G/Pastic P)	Grab (s) oc Composite (C)	Matridose below:	Preservativa (see	Re • M	Comme etiliod # porting limit ise sample info ny other notes	vojavoja Vagovija	Ø	ן,	Mo	五
100	AF24788	CEMP-1	1/31/22	1120	BITT	1	P	G.	GW	2				×	Х	X	х
002	AF24789	CGYP-2	.]	1242			1.							×	X	አ	x
002	AF24790	CGYP-2 DUP		1247										Х	χ	x	Х
004	AF24791	Cett-3		1421										X	х	х	X
005	AF24772	CGYP-4		। हांग							*			X	×	×	x
000	AF24793	CGYP-6		1627	1	1_{i}	1	1.,	1	1				<u>X</u>	×	X	×
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Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oil-oil, S-Soil, SL-soild, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)
Preservative code: 1=<4°C 2=HNO; 3=H₂SO₄ 4-HCl 5=Na₂S₂O₃ 6-Other (Specify)

Chain of Custody



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4173

	Cus	Customer Email/Report Recipient:			Date Results Needed by:				Project/Task/Unit #:					Rerun request	Rerun request for any flagge				
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	Lat	works ID# ternal use		on/	Collection Date		Collection Time	Sample Collector	Total 8 of containers	Bottle type: [Glass G/Plastic.p]	Grab (G) or Composite (Q	Matrix(see below)	Preservative (see	, M R M	Cornin ethod # sporting limit isc, sample in ny other notes	for	Li, Mo, Hg		
800	ΑF	24764	CAP-4		2/	3/22	(038	HDG BSB	1	P	G	GN	2			•	×		
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Matrix codes: GW-groundwater, DW-drinking water, SW-surface water, WW-waste water, BW-boiler water, L-limestone, Oll-oil, S-Soil, SL-solid, C-coal, G-gypsum, FA-flyash, BA-bottom ash, M-misc (describe in comment section)

Preservative code- 1=<4°C 2-HNO₃ 3-H₂SO₄ 4-HCl 5=Na₃S₂O₁ 6-Other (Specify)



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 680-220687-1

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

Revision: 1

For:

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

Attn: Linda Williams

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

Jerry Lanier, Project Manager I (912)250-0281

Jerry.Lanier@et.eurofinsus.com

·····LINKS ······

Review your project results through

Have a Question?



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www.eurofinsus.com/Env

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

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

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

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Case Narrative

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

Job ID: 680-220687-1

Job ID: 680-220687-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-220687-1

Receipt

The samples were received on 9/7/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 27.0°C

Revision

The final report was revsed to include additional metals per client request.

Metals

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

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Sample Summary

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

680-220687-33

680-220687-34

AF36883

AF36884

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-220687-1	AF36905	Water	06/28/22 13:22	09/07/22 10:30
680-220687-2	AF36906	Water	06/28/22 14:41	09/07/22 10:30
680-220687-3	AF36907	Water	06/28/22 14:46	09/07/22 10:30
680-220687-4	AF36908	Water	06/28/22 10:50	09/07/22 10:30
680-220687-5	AF36886	Water	06/29/22 10:33	09/07/22 10:30
680-220687-6	AF36887	Water	06/29/22 11:40	09/07/22 10:30
680-220687-7	AF36888	Water	06/21/22 10:04	09/07/22 10:30
680-220687-8	AF36889	Water	06/21/22 11:09	09/07/22 10:30
680-220687-9	AF36890	Water	06/21/22 11:14	09/07/22 10:30
680-220687-10	AF36891	Water	06/21/22 12:31	09/07/22 10:30
680-220687-11	AF36892	Water	06/21/22 13:23	09/07/22 10:30
680-220687-12	AF36893	Water	06/21/22 14:23	09/07/22 10:30
680-220687-13	AF36901	Water	06/20/22 15:31	09/07/22 10:30
680-220687-14	AF36903	Water	06/28/22 11:35	09/07/22 10:30
680-220687-15	AF36861	Water	06/22/22 12:53	09/07/22 10:30
680-220687-16	AF36863	Water	06/23/22 16:08	09/07/22 10:30
680-220687-17	AF36864	Water	06/23/22 14:49	09/07/22 10:30
680-220687-18	AF36865	Water	06/23/22 13:27	09/07/22 10:30
680-220687-19	AF36866	Water	06/23/22 12:15	09/07/22 10:30
680-220687-20	AF36867	Water	06/23/22 11:16	09/07/22 10:30
680-220687-21	AF36868	Water	06/23/22 10:05	09/07/22 10:30
680-220687-22	AF36869	Water	06/22/22 15:40	09/07/22 10:30
680-220687-23	AF36870	Water	06/22/22 15:45	09/07/22 10:30
680-220687-24	AF36871	Water	06/22/22 14:45	09/07/22 10:30
680-220687-25	AF36874	Water	06/22/22 10:27	09/07/22 10:30
680-220687-26	AF36876	Water	06/20/22 14:16	09/07/22 10:30
680-220687-27	AF36877	Water	06/29/22 13:10	09/07/22 10:30
680-220687-28	AF36878	Water	06/30/22 10:33	09/07/22 10:30
680-220687-29	AF36879	Water	06/30/22 09:30	09/07/22 10:30
680-220687-30	AF36880	Water	06/30/22 12:40	09/07/22 10:30
680-220687-31	AF36881	Water	06/30/22 12:45	09/07/22 10:30
680-220687-32	AF36882	Water	06/30/22 14:06	09/07/22 10:30

Water

Water

06/29/22 14:08 09/07/22 10:30

06/30/22 11:29 09/07/22 10:30

Job ID: 680-220687-1

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Method Summary

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

Job ID: 680-220687-1

Method	Method Description	Protocol	Laboratory
6020B	Metals (ICP/MS)	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV

Protocol References:

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

Laboratory References:

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

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Definitions/Glossary

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

Job ID: 680-220687-1

Qualifiers

V	e	ta	S

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

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Job ID: 680-220687-1

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

Client Sample ID: AF36905	Lab Sample ID: 680-220687-1
No Detections.	
Client Sample ID: AF36906	Lab Sample ID: 680-220687-2
No Detections.	
Client Sample ID: AF36907	Lab Sample ID: 680-220687-3
No Detections.	
Client Sample ID: AF36908	Lab Sample ID: 680-220687-4
No Detections.	
Client Sample ID: AF36886	Lab Sample ID: 680-220687-5
No Detections.	
Client Sample ID: AF36887	Lab Sample ID: 680-220687-6
No Detections.	
Client Sample ID: AF36888	Lab Sample ID: 680-220687-7
No Detections.	
Client Sample ID: AF36889	Lab Sample ID: 680-220687-8
No Detections.	
Client Sample ID: AF36890	Lab Sample ID: 680-220687-9
No Detections.	
Client Sample ID: AF36891	Lab Sample ID: 680-220687-10
No Detections.	
Client Sample ID: AF36892	Lab Sample ID: 680-220687-11
No Detections.	
Client Sample ID: AF36893	Lab Sample ID: 680-220687-12
No Detections.	
Client Sample ID: AF36901	Lab Sample ID: 680-220687-13

No Detections.

Client Sample ID: AF36863 Lab Sample ID: 680-220687-16

No Detections.

No Detections.

No Detections.

Client Sample ID: AF36903

Client Sample ID: AF36861

This Detection Summary does not include radiochemical test results.

Lab Sample ID: 680-220687-14

Lab Sample ID: 680-220687-15

Job ID: 680-220687-1

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

Client Sample ID: AF36864	Lab Sample ID: 680-220687-17
No Detections.	
Client Sample ID: AF36865	Lab Sample ID: 680-220687-18
No Detections.	
Client Sample ID: AF36866	Lab Sample ID: 680-220687-19
No Detections.	
Client Sample ID: AF36867	Lab Sample ID: 680-220687-20
No Detections.	
Client Sample ID: AF36868	Lab Sample ID: 680-220687-21
No Detections.	
Client Sample ID: AF36869	Lab Sample ID: 680-220687-22
No Detections.	
Client Sample ID: AF36870	Lab Sample ID: 680-220687-23
No Detections.	
Client Sample ID: AF36871	Lab Sample ID: 680-220687-24
No Detections.	
Client Sample ID: AF36874	Lab Sample ID: 680-220687-25
No Detections.	
Client Sample ID: AF36876	Lab Sample ID: 680-220687-26
No Detections.	
Client Sample ID: AF36877	Lab Sample ID: 680-220687-27
No Detections.	
Client Sample ID: AF36878	Lab Sample ID: 680-220687-28
No Detections.	
Client Sample ID: AF36879	Lab Sample ID: 680-220687-29
No Detections.	
Client Sample ID: AF36880	Lab Sample ID: 680-220687-30
No Detections.	
Client Sample ID: AF36881	Lab Sample ID: 680-220687-31
No Detections.	
Client Sample ID: AF36882	Lab Sample ID: 680-220687-32
No Detections.	

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Detection Summary

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

Job ID: 680-220687-1

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

No Detections.

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

No Detections.

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

Job ID: 680-220687-1

Client Comple ID: AF26005

Client Sample ID: AF36905 Lab Sample ID: 680-220687-1

Matrix: Water

Date Collected: 06/28/22 13:22 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:50	09/09/22 22:40	1

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

Job ID: 680-220687-1

Lab Sample ID: 680-220687-2 Client Sample ID: AF36906 Date Collected: 06/28/22 14:41

Matrix: Water

Date Received: 09/07/22 10:30

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

Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed Dil Fac

Antimony 5.00 U 5.00 09/09/22 06:50 09/09/22 22:37 ug/L

Eurofins Savannah

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

Job ID: 680-220687-1

Client Sample ID: AF36907 Lab Sample ID: 680-220687-3

Matrix: Water

Date Collected: 06/28/22 14:46 Date Received: 09/07/22 10:30

Method: 6020B - Meta	ls (ICP/MS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:44	1

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

Client Sample ID: AF36908 Lab Sample ID: 680-220687-4

Matrix: Water

Job ID: 680-220687-1

Date Collected: 06/28/22 10:50 Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS) - Total Recoverable
Analyte Result Qualifier RL MDL Unit D

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

Job ID: 680-220687-1

Client Sample ID: AF36886

Lab Sample ID: 680-220687-5

Matrix: Water

Date Collected: 06/29/22 10:33 Date Received: 09/07/22 10:30

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

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

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

Job ID: 680-220687-1

Client Sample ID: AF36887

Lab Sample ID: 680-220687-6

Matrix: Water

Date Collected: 06/29/22 11:40 Date Received: 09/07/22 10:30

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

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

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

Job ID: 680-220687-1

Client Sample ID: AF36888 Lab Sample ID: 680-220687-7

Matrix: Water

Date Collected: 06/21/22 10:04 Date Received: 09/07/22 10:30

Method: 6020B - Metals	(ICP/MS) - Total R	lecoverable					
Analyte	Result	Qualifier	RL	MDL	Unit	D	1

Prepared Analyzed Dil Fac 5.00 U 09/09/22 06:50 09/09/22 23:02 Antimony 5.00 ug/L

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

Job ID: 680-220687-1

Lab Sample ID: 680-220687-8 Client Sample ID: AF36889 Date Collected: 06/21/22 11:09

Matrix: Water

Date Received: 09/07/22 10:30

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

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

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

Job ID: 680-220687-1

Client Sample ID: AF36890

Lab Sample ID: 680-220687-9

Matrix: Water

Date Collected: 06/21/22 11:14 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:50	09/09/22 23:10	1

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

Job ID: 680-220687-1

Lab Sample ID: 680-220687-10 Client Sample ID: AF36891

Matrix: Water

Date Collected: 06/21/22 12:31 Date Received: 09/07/22 10:30

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

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

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

Job ID: 680-220687-1

Matrix: Water

Date Collected: 06/21/22 13:23 Date Received: 09/07/22 10:30

Wethod: 6020B - Wetals (ICP/	IVIS) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:17	1

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

Job ID: 680-220687-1

Client Sample ID: AF36893 Lab Sample ID: 680-220687-12

Matrix: Water

Date Collected: 06/21/22 14:23 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:50	09/09/22 23:21	1

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

Job ID: 680-220687-1

Client Sample ID: AF36901 Lab Sample ID: 680-220687-13

Matrix: Water

Date Collected: 06/20/22 15:31 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 23:25	1

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

Job ID: 680-220687-1

Client Sample ID: AF36903 Lab Sample ID: 680-220687-14

Matrix: Water

Date Collected: 06/28/22 11:35 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:50	09/09/22 23:28	1

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

Job ID: 680-220687-1

Client Sample ID: AF36861 Lab Sample ID: 680-220687-15

Matrix: Water

Date Collected: 06/22/22 12:53 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	ĪŪ —	5.00		ua/l		09/09/22 06:50	09/09/22 23:32	1

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

Job ID: 680-220687-1

Client Sample ID: AF36863 Lab Sample ID: 680-220687-16

Matrix: Water

Date Collected: 06/23/22 16:08 Date Received: 09/07/22 10:30

Method: 6020B - Meta	als (ICP/MS) - Total Recoverable			
Analyte	Result Qualifier	RL	MDL Unit	

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

Job ID: 680-220687-1

Lab Sample ID: 680-220687-17 Client Sample ID: AF36864 Date Collected: 06/23/22 14:49

Matrix: Water

Date Received: 09/07/22 10:30

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

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

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

Job ID: 680-220687-1

Client Sample ID: AF36865 Lab Sample ID: 680-220687-18 Date Collected: 06/23/22 13:27

Matrix: Water

Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:50	09/09/22 23:50	1

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

Date Received: 09/07/22 10:30

Job ID: 680-220687-1

Lab Sample ID: 680-220687-19

Client Sample ID: AF36866 Date Collected: 06/23/22 12:15

Matrix: Water

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

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

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

Lab Sample ID: 680-220687-20

Matrix: Water

Job ID: 680-220687-1

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

Method: 6020B - Metals (ICP/MS) - Total Recoverable Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed Dil Fac 5.00 U Antimony 5.00 ug/L 09/09/22 06:50 09/09/22 23:58 1.00 Thallium 1.00 U ug/L 09/09/22 06:50 09/09/22 23:58

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

Job ID: 680-220687-1

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

Matrix: Water

Date Collected: 06/23/22 10:05 Date Received: 09/07/22 10:30

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

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

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

Job ID: 680-220687-1

Client Sample ID: AF36869 Lab Sample ID: 680-220687-22 Date Collected: 06/22/22 15:40

Matrix: Water

Date Received: 09/07/22 10:30

Method: 6020B	- Metals (ICP/MS)	- Total Recoverable
V-2000 00 00 00 00 00 00 00 00 00 00 00 00		CONTRACTOR

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	ET	5.00		ua/I		00/00/22 06:54	00/10/22 03:13	1

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

Job ID: 680-220687-1

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

Matrix: Water

Date Collected: 06/22/22 15:45 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:54	09/10/22 03:17	1

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

Job ID: 680-220687-1

Lab Sample ID: 680-220687-24 Client Sample ID: AF36871 Date Collected: 06/22/22 14:45

Matrix: Water

Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:21	1

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

Job ID: 680-220687-1

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

Matrix: Water

Date Collected: 06/22/22 10:27 Date Received: 09/07/22 10:30

Method: 6020B - Metals	(ICP/MS) - Total Recoverable
Analyta	Pocult Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	II	5.00		ua/l		09/09/22 06:54	09/10/22 03:24	1

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

Job ID: 680-220687-1

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

Matrix: Water

Date Collected: 06/20/22 14:16 Date Received: 09/07/22 10:30

Method: 6020B - Metals	(ICP/MS) - Total Recoverable	
Analyte	Result Qualifier	RI

 Analyte
 Result
 Qualifier
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 MDL
 Unit
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 Prepared
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 Antimony
 5.00
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 09/09/22 06:54
 09/10/22 03:28
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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-27

Matrix: Water

Job ID: 680-220687-1

Client Sample ID: AF36877 Date Collected: 06/29/22 13:10

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/MS) - Total Recoverable
Analyte Result Qualifier

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 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
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 Dil Fac

 Antimony
 5.00
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 09/10/22 03:39
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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Client Sample ID: AF36878 Date Collected: 06/30/22 10:33 Lab Sample ID: 680-220687-28

Date Collected: 06/30/22 10:33
Date Received: 09/07/22 10:30

Matrix: Water

Job ID: 680-220687-1

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

 Analyte
 Result
 Qualifier
 RL
 MDL
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 Antimony
 5.00
 U
 5.00
 ug/L
 09/09/22 06:54
 09/10/22 03:43
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Client: South Carolina Public Service Authority Project/Site: 125915/JM02.08.G01.3/36500

Lab Sample ID: 680-220687-29

Matrix: Water

Job ID: 680-220687-1

Lab Sample ID. 000-220007-23

Date Collected: 06/30/22 09:30 Date Received: 09/07/22 10:30

Client Sample ID: AF36879

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

Wethod: 6020B - Wetals (ICP/WS) - Total Recoverable Analyte Result Qualifier RL MDL Unit	Unit	D	Prepared	Analyzed	Dil Fac					
	Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:46	1
	Thallium	1.00	U	1.00		ug/L		09/09/22 06:54	09/10/22 03:46	1
	Arsenic	3.00	U	3.00		ug/L		09/09/22 06:54	09/10/22 03:46	1

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

Job ID: 680-220687-1

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

Matrix: Water

Date Collected: 06/30/22 12:40 Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	ĪĪ.	5.00		ua/l		09/09/22 06:54	09/10/22 03:50	1

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

Client Sample ID: AF36881 Lab Sample ID: 680-220687-31 Date Collected: 06/30/22 12:45

Matrix: Water

Job ID: 680-220687-1

Date Received: 09/07/22 10:30

Method: 6020B - Metals (ICP/M	S) - Total F	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 03:54	1

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

Job ID: 680-220687-1

Client Sample ID: AF36882 Lab Sample ID: 680-220687-32 Date Collected: 06/30/22 14:06

Matrix: Water

Date Received: 09/07/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	ĪŪ —	5.00		ua/l		09/09/22 06:54	09/10/22 03:57	1

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

Job ID: 680-220687-1

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

Matrix: Water

Date Collected: 06/29/22 14:08 Date Received: 09/07/22 10:30

Method: 6020B - Metals	(ICP/MS) - Total Recoverable
Analyte	Result Qualifier

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	П	5.00		ua/l		09/09/22 06:54	09/10/22 04:01	1

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

Job ID: 680-220687-1

Lab Sample ID: 680-220687-34 Client Sample ID: AF36884 Date Collected: 06/30/22 11:29

Matrix: Water

Date Received: 09/07/22 10:30

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

Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed Dil Fac

Antimony 5.00 U 5.00 09/09/22 06:54 09/10/22 04:05 ug/L

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Job ID: 680-220687-1

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

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-739531/1-A

Matrix: Water

Analysis Batch: 739706

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 739531

	IVI D	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:50	09/09/22 22:18	1
Thallium	1.00	U	1.00		ug/L		09/09/22 06:50	09/09/22 22:18	1
Arsenic	3.00	U	3.00		ug/L		09/09/22 06:50	09/09/22 22:18	1

Lab Sample ID: LCS 680-739531/2-A

Matrix: Water

Analysis Batch: 739706

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable

Prep Batch: 739531

, that you but on 1 our ou	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	52.22	-	ug/L		105	80 - 120
Thallium	50.0	52.29		ug/L		105	80 - 120
Arsenic	100	106.7		ug/L		107	80 - 120

Lab Sample ID: 680-220687-19 MS

Matrix: Water

Analysis Batch: 739706

Client Sample ID: AF36866 Prep Type: Total Recoverable

Prep Batch: 739531

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit Limits Analyte D %Rec Antimony 5.00 U 50.0 47.21 ug/L 95 75 - 125 Thallium 1.00 U 50.0 48.08 ug/L 96 75-125 100 97.53 98 75-125 Arsenic 3.00 U ug/L

Lab Sample ID: 680-220687-19 MSD

Matrix: Water

Analysis Batch: 739706

Client Sample ID: AF36866 **Prep Type: Total Recoverable Prep Batch: 739531**

2	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	5.00	U	50.0	51.81		ug/L		104	75 - 125	9	20
Thallium	1.00	U	50.0	51.95		ug/L		104	75 - 125	8	20
Arsenic	3.00	U	100	107.0		ug/L		107	75 - 125	9	20

Lab Sample ID: MB 680-739532/1-A

Matrix: Water

Analysis Batch: 739706

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 739532

per manual faculties (Control of Control of	MB	MB						ar statement of the sta	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		09/09/22 06:54	09/10/22 02:55	1
Thallium	1.00	U	1.00		ug/L		09/09/22 06:54	09/10/22 02:55	1
Arsenic	3.00	U	3.00		ug/L		09/09/22 06:54	09/10/22 02:55	1

Lab Sample ID: LCS 680-739532/2-A

Matrix: Water

Analysis Ratch: 739706

Client Sample ID: Lab Control Sample **Prep Type: Total Recoverable**

Prep Batch: 739532

						Tiep Datell. 100002
Spike	LCS	LCS				%Rec
Added	Result	Qualifier	Unit	D	%Rec	Limits
50.0	43.66	6 	ug/L	18 57 18	87	80 - 120
50.0	43.55		ug/L		87	80 - 120
100	91.08		ug/L		91	80 - 120
	Added 50.0 50.0	Added Result 50.0 43.66 50.0 43.55	Added Result Qualifier 50.0 43.66 50.0 43.55	Added Result Qualifier Unit 50.0 43.66 ug/L 50.0 43.55 ug/L	Added Result Qualifier Unit D 50.0 43.66 ug/L ug/L	Added Result Qualifier Unit D % Rec 50.0 43.66 ug/L 87 50.0 43.55 ug/L 87

QC Sample Results

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

Job ID: 680-220687-1

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

Lab Sample ID: 680-220687-21 MS Client Sample ID: AF36868 **Matrix: Water Prep Type: Total Recoverable** Analysis Batch: 739706 **Prep Batch: 739532** Sample Sample Snike

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

Lab Sample ID: 680-220687-21 MSD Client Sample ID: AF36868 Matrix: Water **Prep Type: Total Recoverable**

Analysis Batch: /39/06									Prep Ba	p Batch: /39532	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	5.00	U	50.0	48.66		ug/L		97	75 - 125	13	20
Thallium	1.00	U	50.0	48.91		ug/L		97	75 - 125	14	20
Arsenic	3.04		100	103.5		ug/L		100	75 - 125	12	20

QC Association Summary

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

Job ID: 680-220687-1

Metals

Prep Batch: 739531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-220687-1	AF36905	Total Recoverable	Water	3005A	
680-220687-2	AF36906	Total Recoverable	Water	3005A	
680-220687-3	AF36907	Total Recoverable	Water	3005A	
680-220687-4	AF36908	Total Recoverable	Water	3005A	
680-220687-5	AF36886	Total Recoverable	Water	3005A	
680-220687-6	AF36887	Total Recoverable	Water	3005A	
680-220687-7	AF36888	Total Recoverable	Water	3005A	
680-220687-8	AF36889	Total Recoverable	Water	3005A	
680-220687-9	AF36890	Total Recoverable	Water	3005A	
680-220687-10	AF36891	Total Recoverable	Water	3005A	
680-220687-11	AF36892	Total Recoverable	Water	3005A	
680-220687-12	AF36893	Total Recoverable	Water	3005A	
680-220687-13	AF36901	Total Recoverable	Water	3005A	
680-220687-14	AF36903	Total Recoverable	Water	3005A	
680-220687-15	AF36861	Total Recoverable	Water	3005A	
680-220687-16	AF36863	Total Recoverable	Water	3005A	
680-220687-17	AF36864	Total Recoverable	Water	3005A	
680-220687-18	AF36865	Total Recoverable	Water	3005A	
680-220687-19	AF36866	Total Recoverable	Water	3005A	
680-220687-20	AF36867	Total Recoverable	Water	3005A	
MB 680-739531/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-739531/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-220687-19 MS AF36866		Total Recoverable Water 3005A		3005A	
680-220687-19 MSD	AF36866	Total Recoverable	Water	3005A	

Prep Batch: 739532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-220687-21	AF36868	Total Recoverable	Water	3005A	
680-220687-22	AF36869	Total Recoverable	Water	3005A	
680-220687-23	AF36870	Total Recoverable	Water	3005A	
680-220687-24	AF36871	Total Recoverable	Water	3005A	
680-220687-25	AF36874	Total Recoverable	Water	3005A	
680-220687-26	AF36876	Total Recoverable	Water	3005A	
680-220687-27	AF36877	Total Recoverable	Water	3005A	
680-220687-28	AF36878	Total Recoverable	Water	3005A	
680-220687-29	AF36879	Total Recoverable	Water	3005A	
680-220687-30	AF36880	Total Recoverable	Water	3005A	
680-220687-31	AF36881	Total Recoverable	Water	3005A	
680-220687-32	AF36882	Total Recoverable	Water	3005A	
680-220687-33	AF36883	Total Recoverable	Water	3005A	
680-220687-34	AF36884	Total Recoverable	Water	3005A	
MB 680-739532/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-739532/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-220687-21 MS	AF36868	Total Recoverable	Water	3005A	
680-220687-21 MSD	AF36868	Total Recoverable	Water	3005A	

Analysis Batch: 739706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-220687-1	AF36905	Total Recoverable	Water	6020B	739531
680-220687-2	AF36906	Total Recoverable	Water	6020B	739531
680-220687-3	AF36907	Total Recoverable	Water	6020B	739531

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QC Association Summary

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

Job ID: 680-220687-1

Metals (Continued)

Analysis Batch: 739706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-220687-4	AF36908	Total Recoverable	Water	6020B	73953
680-220687-5	AF36886	Total Recoverable	Water	6020B	739531
680-220687-6	AF36887	Total Recoverable	Water	6020B	739531
680-220687-7	AF36888	Total Recoverable	Water	6020B	739531
680-220687-8	AF36889	Total Recoverable	Water	6020B	739531
680-220687-9	AF36890	Total Recoverable	Water	6020B	739531
680-220687-10	AF36891	Total Recoverable	Water	6020B	73953
680-220687-11	AF36892	Total Recoverable	Water	6020B	739531
680-220687-12	AF36893	Total Recoverable	Water	6020B	739531
680-220687-13	AF36901	Total Recoverable	Water	6020B	73953
680-220687-14	AF36903	Total Recoverable	Water	6020B	73953°
680-220687-15	AF36861	Total Recoverable	Water	6020B	739531
680-220687-16	AF36863	Total Recoverable	Water	6020B	739531
380-220687-17	AF36864	Total Recoverable	Water	6020B	73953
680-220687-18	AF36865	Total Recoverable	Water	6020B	73953
680-220687-19	AF36866	Total Recoverable	Water	6020B	73953
880-220687-20	AF36867	Total Recoverable	Water	6020B	73953
380-220687-21	AF36868	Total Recoverable	Water	6020B	73953
680-220687-22	AF36869	Total Recoverable	Water	6020B	739532
680-220687-23	AF36870	Total Recoverable	Water	6020B	739532
680-220687-24	AF36871	Total Recoverable	Water	6020B	739532
880-220687-25	AF36874	Total Recoverable	Water	6020B	739532
380-220687-26	AF36876	Total Recoverable	Water	6020B	739532
880-220687-27	AF36877	Total Recoverable	Water	6020B	739532
680-220687-28	AF36878	Total Recoverable	Water	6020B	739532
680-220687-29	AF36879	Total Recoverable	Water	6020B	739532
880-220687-30	AF36880	Total Recoverable	Water	6020B	739532
380-220687-31	AF36881	Total Recoverable	Water	6020B	73953
680-220687-32	AF36882	Total Recoverable	Water	6020B	739532
680-220687-33	AF36883	Total Recoverable	Water	6020B	739532
680-220687-34	AF36884	Total Recoverable	Water	6020B	739532
MB 680-739531/1-A	Method Blank	Total Recoverable	Water	6020B	73953°
MB 680-739532/1-A	Method Blank	Total Recoverable	Water	6020B	739532
_CS 680-739531/2-A	Lab Control Sample	Total Recoverable	Water	6020B	73953
LCS 680-739532/2-A	Lab Control Sample	Total Recoverable	Water	6020B	739532
680-220687-19 MS	AF36866	Total Recoverable	Water	6020B	73953 ⁻
680-220687-19 MSD	AF36866	Total Recoverable	Water	6020B	73953 ⁻
580-220687-21 MS	AF36868	Total Recoverable	Water	6020B	739532
680-220687-21 MSD	AF36868	Total Recoverable	Water	6020B	739532

Client Sample ID: AF36905

Date Collected: 06/28/22 13:22 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:40

Client Sample ID: AF36906

Date Collected: 06/28/22 14:41 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-2

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:37

Client Sample ID: AF36907

Date Collected: 06/28/22 14:46 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-3

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	- ID 48		739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:44

Client Sample ID: AF36908

Date Collected: 06/28/22 10:50

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-4

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:48

Client Sample ID: AF36886

Date Collected: 06/29/22 10:33

Date Received: 09/07/22 10:30

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

Lab Sample ID: 680-220687-6

09/09/22 23:54

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:51

Client Sample ID: AF36887

Date Collected: 06/29/22 11:40

Total Recoverable Analysis

6020B

Date Received: (Date Received: 09/07/22 10:30											
	Batch	Batch		Dilution	Batch			Prepared				
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed				
Total Recoverable	Prep	3005A	16 1.5		739531	RR	EET SAV	09/09/22 06:50				

739706 BWR

EET SAV

Eurofins Savannah

Matrix: Water

Client Sample ID: AF36888

Date Collected: 06/21/22 10:04 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-7

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	s: =		739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:02

Client Sample ID: AF36889

Date Collected: 06/21/22 11:09 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-8

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:06

Client Sample ID: AF36890

Lab Sample ID: 680-220687-9 Date Collected: 06/21/22 11:14

Matrix: Water

Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	# A		739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:10

Client Sample ID: AF36891

Date Collected: 06/21/22 12:31

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-10

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:14

Run

Dilution

Factor

1

Batch

739706 BWR

Client Sample ID: AF36892

Batch

Type

Prep

Analysis

Batch

3005A

6020B

Method

Date Collected: 06/21/22 13:23

Date Received: 09/07/22 10:30

Prep Type

Total Recoverable

Total Recoverable

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

Prepared Number Analyst or Analyzed Lab 09/09/22 06:50 739531 RR **EET SAV**

EET SAV

Client Sample ID: AF36893

Date Collected: 06/21/22 14:23

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-12

09/09/22 23:17

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:21

Lab Sample ID: 680-220687-13

Matrix: Water

Date Collected: 06/20/22 15:31 Date Received: 09/07/22 10:30

Client Sample ID: AF36901

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	s: =		739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:25

Client Sample ID: AF36903 Lab Sample ID: 680-220687-14

Matrix: Water

Date Collected: 06/28/22 11:35 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:28

Client Sample ID: AF36861 Lab Sample ID: 680-220687-15

Date Collected: 06/22/22 12:53 Matrix: Water

Date Received: 09/07/22 10:30

Batch Batch Dilution Batch Prepared Number Analyst Method or Analyzed Prep Type Type Run Factor Lab 09/09/22 06:50 Total Recoverable Prep 3005A 739531 RR EET SAV Total Recoverable Analysis 6020B 739706 BWR EET SAV 09/09/22 23:32 1

Client Sample ID: AF36863 Lab Sample ID: 680-220687-16

Date Collected: 06/23/22 16:08 Matrix: Water Date Received: 09/07/22 10:30

Batch Batch Dilution Batch Prepared Number Analyst Method Run Factor or Analyzed Prep Type Type Lab 09/09/22 06:50 Total Recoverable 3005A 739531 RR **EET SAV** Prep EET SAV 09/09/22 23:36 Total Recoverable Analysis 6020B 1 739706 BWR

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

Date Collected: 06/23/22 14:49 Matrix: Water

Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:47

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

Date Collected: 06/23/22 13:27 Matrix: Water

Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:50

Client Sample ID: AF36866

Date Collected: 06/23/22 12:15 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-19

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 22:26

Client Sample ID: AF36867

Date Collected: 06/23/22 11:16 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-20

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739531	RR	EET SAV	09/09/22 06:50
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/09/22 23:58

Client Sample ID: AF36868

Date Collected: 06/23/22 10:05

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-21

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	# A		739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:02

Client Sample ID: AF36869

Date Collected: 06/22/22 15:40 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-22

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:13

Client Sample ID: AF36870

Date Collected: 06/22/22 15:45

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-23

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:17

Client Sample ID: AF36871

Date Collected: 06/22/22 14:45

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-24

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:21

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

Client Sample ID: AF36874

Date Collected: 06/22/22 10:27 Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-25

Matrix: Water

Batch Batch Dilution Batch Prepared Method Factor Number Analyst or Analyzed Prep Type Type Run Lab 09/09/22 06:54 Total Recoverable Prep 3005A 739532 RR EET SAV Total Recoverable 6020B 739706 BWR EET SAV 09/10/22 03:24 Analysis 1

Client Sample ID: AF36876

Lab Sample ID: 680-220687-26

Matrix: Water

Date Collected: 06/20/22 14:16 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:28

Client Sample ID: AF36877

Lab Sample ID: 680-220687-27

Matrix: Water

Date Collected: 06/29/22 13:10 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:39

Client Sample ID: AF36878

Lab Sample ID: 680-220687-28

Matrix: Water

Date Collected: 06/30/22 10:33 Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:43

Client Sample ID: AF36879

Lab Sample ID: 680-220687-29 Date Collected: 06/30/22 09:30

Matrix: Water

Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:46

Client Sample ID: AF36880

Date Received: 09/07/22 10:30

Lab Sample ID: 680-220687-30 Date Collected: 06/30/22 12:40

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:50

Eurofins Savannah

Lab Chronicle

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

Job ID: 680-220687-1

Lab Sample ID: 680-220687-31

Client Sample ID: AF36881 Date Collected: 06/30/22 12:45

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:54

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

Date Collected: 06/30/22 14:06 Matrix: Water

Date Received: 09/07/22 10:30

Date Received: 09/07/22 10:30

7.0	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	H 18		739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 03:57

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

Date Collected: 06/29/22 14:08 Matrix: Water

Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 04:01

Client Sample ID: AF36884 Lab Sample ID: 680-220687-34 Date Collected: 06/30/22 11:29 Matrix: Water

Date Received: 09/07/22 10:30

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			739532	RR	EET SAV	09/09/22 06:54
Total Recoverable	Analysis	6020B		1	739706	BWR	EET SAV	09/10/22 04:05

Laboratory References:

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

Eurofins Savannah

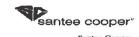


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Santes Cooper One Riverwood Drivs Moneks Corner SC 29461 Phone (843)761-8000 Ext. 5148 Fax. (843)761-4175

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA 125915 / JMO2.08.681.3 / 36500 @santeecooper.com Yes No **Analysis Group** Labworks ID# Sample Location/ Comments Bottle type: (Glass-G/Plastic-P) Matrix(see below) Preservative (see below) **Collection Time** (Internal use Description Collection Date Sample Collector Method# only) fotal # of contal Grab (G) or Composite (C) . Reporting limit Misc. sample info Any other notes 8 DEW ١ 6/28 1322 P G GIN 2 X POZ- 6 AF 36905 6020 RL= 5 PPB 06 -7 1441 1446 07 7 DUP 08 8 1050 680-220687 Chain of Custody Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee# Date Time TEMP (°C): 2 27Initial: 9.7-22 9/6/22 TM 1030 1500 Sproun 35594 Correct pH: Yes Date Kelinguished by: Employee# Time Received by: Employee# Date Time Preservative Lot#: Relinquished by: Received by: Date Employee# Date Time Employee# Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. **Gypsum** Coal Flyash Oil □ Ag □ Cu ℤ Sb □ Wallboard □ TOC DBTEX □ Ultimate Trans. Oil Qual. ☐ Ammonia □ Se □ Al □ Fe □ Napthalene %Molsture □ DOC Gypsum(all □ % Moisture O LOI □ THM/HAA ☐ As $\Box K$ □ Sn below) Color □ TP/TPO4 ☐ Ash ☐ % Carbon DVOC □ AIM □ TOC Acidity O NH3-N ☐ Sulfur □ Sr ☐ Mineral $\Box B$ □ Li ☐ Oil & Grease Dielectric Strength UF □ BTUs Analysis IFT □ E. Coli □ Ba □Mg □ Ti □ Total metals \cap CI ☐ Volatile Matter ☐ Total Coliform ☐ Sieve Dissolved Gases □ Soluble Metals □Ве □ Mn □ NO2 □ CHN □ pH □ Dissolved As ☐ % Moisture Used Oil □ Purity (CaSO4) □ Br Other Tests: □ % Moisture Flashpoint □ Ca DV□ Mo ☐ Dissolved Fe Metals in oil (As,Cd,Ct,Ni,Pb ☐ XRF Scan □ NO3 ☐ Sulfites NPDES □ Cd □ Na □ Zn □ Rad 226 □ pH □ HG1 □ SO4 □ Oil & Grease Hg) □ Rad 228 □ Chlorides □ Fineness □ Co □ Ni ☐ Hg D As ☐ Particulate Matter CI PCB Particle Size $\mathbf{1}$ D TSS GOFER □ Cr □Pb □ CrVI ☐ Sulfur





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

Cust	omer Ema	il/Rep	oort Recipie	ent:	Date F	Results Ne	eded b	y:		Pr	oject/	Task/	Unit #:	Rerun r	equest fo	r any	flag	ged	QC
LC	WILLIA		_@santeec	ooper.com		//			125	915	J_ JA	102.	08.6x1.3	J 36500	Yes i	Vo			
																An	alysis	Grou	P
	works ID # ernal use)	-	mple Locatio scription	n/	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	Met Rep Mis Any	Comments hod # orting limit c. sample info v other notes		Sp			
AF	36886	~	COMLF-	- ID	6/29	1033	ML	١	P	G	GW	2	6020	RL= 5 PPB		X			
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Re	linquished by		Employee#	Date	Time	Receiv	ed by:	E	mployee	#	Date		Time						
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□В			□ Sr	□NH		□ VOC □ Oil & Gr	ease		0 AI	M			□ Sulfur	☐ Mineral		Ac.		Strengt	h
□В			□ Ti	### ##################################		□ E. Coli			⊕ To	ial meta			☐ BTUs ☐ Volatile	Analy Matter ☐ Sieve	ysis	L JFT		d Gas	
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□С	r 🗆 P	b	□ CrVI						□ Sulfur				·***	D TSS		GOF	ER		



santee cooper

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

Date Results Needed by: **Customer Email/Report Recipient:** Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA 125915 / JM02.08.681.3/ 36500 @santeecooper.com Yes No Analysis Group Labworks ID# Sample Location/ Comments Bottle type: (Glass-G/Plastic-P) Matrix(see below) (Internal use Description **Collection Date** Collection Time Method # Preservative (see below) Sample Collector rotal # of contain only) Grab (G) or Composite (C) . Reporting limit Misc. sample info Any other notes S DEN P GW 2 6/22 G X AF36861 CAP - & 1253 6020 RL= 5 PPB ML 6/23 3 63 1608 DEW 4 64 1449 5 65 1327 6 1215 66 7 1116 67 8 68 1005 DEW 6/22 69 9 1540 ML 9 - DUP 70 1545 71 10 1445 Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee# Date Time TEMP (°C):_ Initial: 9-7.22 1030 Symoun 35594 MA 9/6/22 1500 Correct pH: Yes Received by: Relinquished by: Date Time Employee# Date Time Employee# Preservative Lot#: Relinquished by: Received by: Date Employee# Date Time Employee# Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. <u>Gypsum</u> Coal <u>Flyash</u> Oil □ Cu Z Sb □ Wallboard □ TOC DBTEX □ Ultimate ☐ Ammonia Trans. Oil Qual. [′]□ Se □ Fe □ Napthalene %Moisture □ DOC Gypsum(all ☐ % Moisture □ LO1 □ As □ Sn D THM/HAA $\Box K$ below) Color ☐ TP/TPO4 ☐ Ash □ % Carbon □ VOC Acidity D AIM D TOC □ NH3-N □ Sulfur □В □ Li □ Sr ☐ Mineral □ Oll & Grease Dielectric Strength UF □ BTUs Analysis IFT DE. Coli □ Ba □Mg □ Ti ☐ Total metals □ CI □ Sieve ☐ Volatile Matter ☐ Total Coliform Dissolved Gases □ Soluble Metals □ Be □ Mn □ NO2 □ CHN □pH ☐ % Moisture Used Oil D Purity (CaSO4) □ Br ☐ Dissolved As Other Tests: ☐ % Moisture $\square V$ □ Ca □Мо ☐ Dissolved Fe Metals in oil (As, Cd, Ct, Ni, Pb Hg) ☐ Sulfites ☐ XRF Scan □ NO3 **NPDES** □ Cd □ Na □ Rad 226 O pH DHGE □ SO4 □ Oil & Grease □ Rad 228. ☐ Chlorides □ Fineness □Hg □ Co □ Nı D As □ PCB [] Particle Size ☐ Particulate Matter O TSS GOFER □ Cr □Pb □ CrVI □ Sulfur





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

Custo	tomer Email/Report Recipient:				Date	Results Ne	eded k	oy:					Unit #:	Rerun requ	ıest for		1agge	
LCV	VILLIA		_@santeec	ooper.com		JJ.	-		125	715	J_JM	102.0	8.GØ1.3	J_36500 Y	es N	0		
																Anal	rsls Gro	nb
	orks ID # nal use		mple Location scription	n/	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	Met Rep Mis Any	Comments hod # orting limit c. sample info other notes		4S		
AF3	36874 CAP-13			6/22 1027 DEN ML		1	P	G	GW	2	6020 RL=5+PB			*				
	76	0	-Bw-I		6/20	1416					L							
	77	c	CMAP-1		6/29	1310												
	78		-2		6/30	1033								100 (100 (100 (100 (100 (100 (100 (100	$\perp \parallel$			
	79		3			0930												
	80		L	+		1240												
	81		4	t Dup	11	1245												
	82		5		<u> </u>	1406												
	83		6	<u> </u>	6/29	1408												
	84		<u> </u>		6/30	1129	1		1	Ī		1						
Relir	iquished by	ų į	Employee#	Date	Time	Receiv	ed by:		Employee	#	Date		Time	Sample Receiving (Inter TEMP (°C):	nal Use	Only) tial:		
	roun		35594	9/6/22	1500	AM	Company of the last of the las	-	m	2	9-7-2	2	1030	S & US UUTTOOCHOTOCTOCTOCTOCTOCTOCTOCTOCTOCTOCTOCTOCTOC		mari		
Relir	quished by		Employee#	Date	Time	Receiv	ed by:		Employee	#	Date		Time	Correct pH: Yes	No			
PROFESSIONAL MONEY	H. AZHKINSKIN, V. AND SAN						<u> </u>							Preservative Lot#:				
Relir	iquished by	;	Employee#	Date	Time	Receiv	ed by:		Employee	#	Date		Time					
														Date/Time/Init for pres	servativ	e:		
	□M	ETA	LS (all)	Nut	rients	MI	SC.		Gv	psur	n		Coal	Flyash		- (<u>)il</u>	
□ Ag	0(Ø Sb '□ Se	D TO		DBTEX			🗆 Wallbe	ard			Ultimate	☐ Ammonia	1.03	frans.	M Qur	ıl.
□ Al	[D] [D]		□ Sn	□ D0		☐ Napthale			Gyp belo	sum(a	11		□ % Moist			%M Calo		
D B		2000	□ Sr	UNH	/TPO4 13-N	DVOC	***************************************		O Al	M		1	□ Ash □ Sulfur	☐ % Carbon ☐ Mineral		Acid	ly	
□ Ва	נטן 10		D Ti	DF		□ Oil & G	rease		D TO	C al meta	ils		□ BTUs	Analysis		JFT	ric Stren	
□Ве			D TI	UCI		☐ Total Co	liform		□ So	uble M	etals		☐ Volatile ☐ CHN	Matter ☐ Sieve ☐ % Moisture			lved Ge vii	ses
- Harriston				□ Br		□ pH □ Dissolve	d As			rity (Ca Moistur		О	ther Tests:	1 70 WOISTARE		Used (Flash		
□ Ca			DV	DNO	3	☐ Dissolve	d Fe		□ Sul	fites		0	XRF Scan HGI	NPDES			s in oil d,Cr,N	
□ Cd	01		□ Zn	□ S O	4	☐ Rad 228			□ pH □ Ch	lorides		0	Fineness	□ Oil & Grease		Hg)	-1,01,01	13.7.7
□ Co			☐ Hg			□PCB			□ Pat	tiele Si			Particulate Ma	after UAs		TX GOFE	ł	
u Cr	101	U	1 m CTVI						□ Sulfur									

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Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-220687-1

Login Number: 220687 List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

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

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Accreditation/Certification Summary

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

Job ID: 680-220687-1

Laboratory: Eurofins Savannah

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

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

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





Laboratory Services

Laboratory Report

Client Santee Cooper

Linda Williams 1 Riverwood Dr.

Moncks Corner, SC 29461

Project: Work Order:

Received:

22H0490

Ground Water

08/05/2022 11:00

Dear Client:

Rogers and Callcott appreciates the opportunity to be of service to you. The attached laboratory services report includes analytical results and chain of custody for samples that were received on August 05, 2022. Rogers and Callcott maintains a formal QA/QC program. Unless otherwise noted, all analyses performed under NELAP certification have complied with all the requirements for the TNI standard. The analyses met the QA/QC confidence interval for each test method unless otherwise qualified. Estimated uncertainty is available upon request.

Privileged / Confidential information may be contained in this report and is intended only for the use of the addressee. If you are not the addressee, or the person responsible for delivering to the person addressed, you may not copy or deliver this message to anyone else. If you receive this message by mistake, please notify Rogers and Callcott immediately.

We strive to provide excellent service to our clients. Please contact Elisabeth Noblet, your Project Manager, at enoblet@rcenviro.com, (864)-232-1556 if you have any questions about this report.

Report Approved By:

Elisabeth Noblet

Elisabeth Noblet

Project Manager





Certificate of Analysis

Client Santee Cooper

Linda Williams 1 Riverwood Dr.

Moncks Corner, SC 29461

South Carolina Greenville Laboratory Identification 23105 South Carolina Columbia Laboratory Identification 40572 North Carolina Laboratory Certification Number 27 North Carolina Drinking Water Lab Number 45710 NELAP Utah Certificate Number SC000042014-1 Georgia Drinking Water Lab ID 880

Project: Ground Water **Work Order:** 22H0490

Received: 08/05/2022 11:00

Sample Number	Sample Description	Matrix	Sampled	Type
22H0490-01	AF36903 POZ-4	Ground Water	06/28/22 11:35	Grab
22H0490-02	AF36905 POZ-6	Ground Water	06/28/22 13:22	Grab
22H0490-03	AF36906 POZ-7	Ground Water	06/28/22 14:41	Grab
22H0490-04	AF36907 POZ-7 Dup	Ground Water	06/28/22 14:46	Grab
22H0490-05	AF36894 CLFIB-1	Ground Water	06/27/22 09:26	Grab
22H0490-06	AF36895 CLFIB-1 DUP	Ground Water	06/27/22 09:31	Grab
22H0490-07	AF36896 CLFIB-2	Ground Water	06/27/22 10:55	Grab
22H0490-08	AF36897 CLFIB-3	Ground Water	06/27/22 11:44	Grab
22H0490-09	AF36898 CLFIB-4	Ground Water	06/27/22 12:53	Grab
22H0490-10	AF36899 CLFIB-5	Ground Water	06/27/22 13:48	Grab
22H0490-11	AF36900 CLFIB-5D	Ground Water	06/27/22 14:47	Grab
22H0490-12	AF36902 POZ-3	Ground Water	06/27/22 15:46	Grab
22H0490-13	AF36904 POZ-5D	Ground Water	06/28/22 10:03	Grab
22H0490-14	AF36886 CCMLF-1D	Ground Water	06/29/22 10:33	Grab
22H0490-15	AF36887 CCMLF-2	Ground Water	06/29/22 11:40	Grab
22H0490-16	AF36877 CCMAP-1	Ground Water	06/29/22 13:10	Grab
22H0490-17	AF36883 CCMAP-6	Ground Water	06/29/22 14:08	Grab
22H0490-18	AF36879 CCMAP-3	Ground Water	06/30/22 09:30	Grab
22H0490-19	AF36878 CCMAP-2	Ground Water	06/30/22 10:33	Grab
22H0490-20	AF36884 CCMAP-7	Ground Water	06/30/22 11:29	Grab
22H0490-21	AF36880 CCMAP-4	Ground Water	06/30/22 12:40	Grab
22H0490-22	AF36881 CCMAP-4 DUP	Ground Water	06/30/22 12:45	Grab
22H0490-23	AF36882 CCMAP-5	Ground Water	06/30/22 14:06	Grab
22H0490-24	AF36876 CBW-1	Ground Water	06/20/22 14:16	Grab
22H0490-25	AF36901 PM-1	Ground Water	06/20/22 15:31	Grab
22H0490-26	AF36888 CGYP-1	Ground Water	06/21/22 10:04	Grab
22H0490-27	AF36889 CGYP-2	Ground Water	06/21/22 11:09	Grab

PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 | rogersandcallcott.com

an employee-owned company



Sample Number	Sample Description	Matrix	Sampled	Туре
22H0490-28	AF36890 CGYP-2 DUP	Ground Water	06/21/22 11:14	Grab
22H0490-29	AF36891 CGYP-3	Ground Water	06/21/22 12:31	Grab
22H0490-30	AF36892 CGYP-4	Ground Water	06/21/22 13:23	Grab
22H0490-31	AF36893 CGYP-6	Ground Water	06/21/22 14:23	Grab
22Н0490-32	AF36908 POZ-8	Ground Water	06/28/22 10:50	Grab
22Н0490-33	AF36885 CCMLF-1	Ground Water	06/29/22 09:30	Grab
22H0490-34	AF36873 CAP-12	Ground Water	06/21/22 15:18	Grab
22H0490-35	AF36875 CAP-14	Ground Water	06/22/22 09:39	Grab
22H0490-36	AF36872 CAP-11	Ground Water	06/22/22 13:57	Grab
22Н0490-37	AF36862 CAP-2	Ground Water	06/22/22 12:02	Grab
22Н0490-38	AF36874 CAP-13	Ground Water	06/22/22 10:27	Grab
22Н0490-39	AF36861 CAP-1	Ground Water	06/22/22 12:53	Grab
22H0490-40	AF36871 CAP-10	Ground Water	06/22/22 14:45	Grab
22H0490-41	AF36869 CAP-9	Ground Water	06/22/22 15:40	Grab
22H0490-42	AF36870 CAP-9 DUP	Ground Water	06/22/22 15:45	Grab
22H0490-43	AF36868 CAP-8	Ground Water	06/23/22 10:05	Grab
22H0490-44	AF36867 CAP-7	Ground Water	06/23/22 11:16	Grab
22H0490-45	AF36866 CAP-6	Ground Water	06/23/22 12:15	Grab
22H0490-46	AF36865 CAP-5	Ground Water	06/23/22 13:27	Grab
22H0490-47	AF36864 CAP-4	Ground Water	06/23/22 14:49	Grab
22H0490-48	AF36863 CAP-3	Ground Water	06/23/22 16:08	Grab



Sample Data

Sample Number

22H0490-01

Sample Description AF36903 POZ-4 collected on 06/28/22 11:35

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 15:15	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.087	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	0.0007	0.0005	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
Boron	22	15	ug/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Calcium	310	5.0	mg/L	100	08/11/22 19:02	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 15:59	EPA 6020B		ЛР	B2H1391	RC-G
Cobalt	0.109	0.001	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.42	0.050	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Lithium	13	10	ug/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	5.8	0.25	mg/L	5.00	08/11/22 08:48	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Nickel	0.012	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Potassium	4.9	0.10	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 15:15	EPA 6010D		CAL	B2H1367	RC-G
Sodium	89	5.0	mg/L	50.0	08/11/22 08:37	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 15:59	EPA 6020B		JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 15:15	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:07	EPA 6020B		ЛР	B2H1455	RC-G



Sample Number 22H0490-02

Sample Description AF36905 POZ-6 collected on 06/28/22 13:22

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.068	0.050	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 15:50	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:04	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.058	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:04	EPA 6020B		JIP	B2H1391	RC-G
Boron	44	15	ug/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Calcium	470	25	mg/L	500	08/11/22 19:12	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:04	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.004	0.001	mg/L	1.00	08/10/22 16:04	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Iron	13	0.25	mg/L	5.00	08/11/22 09:08	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	8.8	0.25	mg/L	5.00	08/11/22 09:08	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.7	0.10	mg/L	1.00	08/11/22 09:18	EPA 6010D	S1	KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 15:50	EPA 6010D		CAL	B2H1367	RC-G
Sodium	69	5.0	mg/L	50.0	08/11/22 08:58	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:04	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 15:50	EPA 6010D		KTH	B2H1367	RC-G
Rebatch Sample Number: 22H0490-02H	RE1									
Potassium	1.9	0.10	mg/L	1.00	08/17/22 15:40	EPA 6010D	S1	KTH	B2H1706	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:20	EPA 6020B		JIP	B2H1455	RC-G



Sample Number 22H0490-03

Sample Description AF36906 POZ-7 collected on 06/28/22 14:41

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.062	0.050	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:11	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.22	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Calcium	47	2.5	mg/L	50.0	08/11/22 09:46	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.001	0.001	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.23	0.050	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.0	0.050	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Potassium	3.3	0.10	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:11	EPA 6010D		CAL	B2H1367	RC-G
Sodium	10	0.50	mg/L	5.00	08/11/22 09:49	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:09	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:11	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:51	EPA 6020B		JIP	B2H1455	RC-G



Sample Number 22H0490-04

Sample Description AF36907 POZ-7 Dup collected on 06/28/22 14:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:14	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:14	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.23	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Calcium	51	5.0	mg/L	100	08/11/22 09:56	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.069	0.050	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.0	0.050	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Potassium	3.4	0.10	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:14	EPA 6010D		CAL	B2H1367	RC-G
Sodium	9.8	0.50	mg/L	5.00	08/11/22 10:00	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:14	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 13:55	EPA 6020B		JIP	B2H1455	RC-G



Sample Number 22H0490-05

Sample Description AF36894 CLFIB-1 collected on 06/27/22 09:26

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
The LDM of L										—
Total Metals	556,000,000	40 50 1990		n 2000	SERVICE MINISTER WHITESE WAS SERVICED.			00 A 20 A	WORKS OF THE STATE OF	
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:18	EPA 6010D		CAL	B2H1367	
Arsenic	ND	0.005	mg/L	1.00	08/10/22 14:00	EPA 6020B		JIP	B2H1391	
Barium	0.13	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 14:00	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Calcium	180	5.0	mg/L	100	08/11/22 10:06	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 14:00	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.002	0.001	mg/L	1.00	08/10/22 14:00	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.13	0.050	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	3.0	0.050	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.85	0.10	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:18	EPA 6010D		CAL	B2H1367	RC-G
Sodium	22	0.50	mg/L	5.00	08/11/22 10:10	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 14:00	EPA 6020B		JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 16:18	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:00	EPA 6020B		JIP	B2H1455	RC-G

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Sample Number 22H0490-06

Sample Description AF36895 CLFIB-1 DUP collected on 06/27/22 09:31

16:21 EPA 6010D 16:21 EPA 6010D 16:18 EPA 6020B 16:21 EPA 6010D 16:18 EPA 6020B	САІ	B2H1367 B2H1391	RC-G
16:21 EPA 6010D 16:18 EPA 6020B 16:21 EPA 6010D	САІ	B2H1367 B2H1391	RC-G
16:18 EPA 6020B 16:21 EPA 6010D	ЛР	B2H1391	
16:21 EPA 6010D			RC-G
	KTH	D2U1267	
16:18 EPA 6020B		D2111307	RC-G
	JIP	B2H1391	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
10:30 EPA 6010D	KTH	B2H1367	RC-G
16:18 EPA 6020B	JIP	B2H1391	RC-G
16:18 EPA 6020B	JIP	B2H1391	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
16:21 EPA 6010D	CAL	B2H1367	RC-G
10:33 EPA 6010D	KTH	B2H1367	RC-G
16:18 EPA 6020B	JIP	B2H1391	RC-G
16:21 EPA 6010D	KTH	B2H1367	RC-G
14:04 EPA 6020B	ПЪ	R2H1455	RC G
	16:21 EPA 6010D 16:21 EPA 6010D 10:30 EPA 6010D 16:18 EPA 6020B 16:18 EPA 6020B 16:21 EPA 6010D	16:18 EPA 6020B JIP 16:21 EPA 6010D KTH 16:21 EPA 6010D KTH 10:30 EPA 6010D KTH 16:18 EPA 6020B JIP 16:18 EPA 6020B JIP 16:21 EPA 6010D KTH 16:18 EPA 6020B JIP 16:21 EPA 6010D KTH	16:18 EPA 6020B JIP B2H1391 16:21 EPA 6010D KTH B2H1367 16:21 EPA 6010D KTH B2H1367 10:30 EPA 6010D KTH B2H1367 16:18 EPA 6020B JIP B2H1391 16:18 EPA 6020B JIP B2H1391 16:21 EPA 6010D KTH B2H1367 16:18 EPA 6020B JIP B2H1391 16:21 EPA 6010D KTH B2H1367

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

22H0490-07 Sample Number

Sample Description AF36896 CLFIB-2 collected on 06/27/22 10:55

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
				00-C2 009F	19-10		10.00 P	1543		
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:25	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:23	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.16	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:23	EPA 6020B		JIP	B2H1391	RC-G
Boron	20	15	ug/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Calcium	140	5.0	mg/L	100	08/11/22 10:40	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:23	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.003	0.001	mg/L	1.00	08/10/22 16:23	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.28	0.050	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.1	0.050	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.43	0.10	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:25	EPA 6010D		CAL	B2H1367	RC-G
Sodium	9.2	0.50	mg/L	5.00	08/11/22 10:44	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:23	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:25	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:09	EPA 6020B		JIP	B2H1455	RC-G

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Sample Number 22H0490-08

Sample Description AF36897 CLFIB-3 collected on 06/27/22 11:44

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:28	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 14:13	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.076	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 14:13	EPA 6020B		JIP	B2H1391	RC-G
Boron	120	15	ug/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Calcium	230	25	mg/L	500	08/11/22 10:50	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 14:13	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.008	0.001	mg/L	1.00	08/10/22 14:13	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Iron	4.0	0.050	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	8.2	0.25	mg/L	5.00	08/11/22 10:54	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.3	0.10	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:28	EPA 6010D		CAL	B2H1367	RC-G
Sodium	6.5	0.50	mg/L	5.00	08/11/22 10:54	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 14:13	EPA 6020B		JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 16:28	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:13	EPA 6020B		JIP	B2H1455	RC-G



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

22H0490-09 Sample Number

Sample Description AF36898 CLFIB-4 collected on 06/27/22 12:53

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:32	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:28	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.056	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:28	EPA 6020B		ЛР	B2H1391	RC-G
Boron	27	15	ug/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Calcium	140	5.0	mg/L	100	08/11/22 11:14	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:28	EPA 6020B		ЛР	B2H1391	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/10/22 16:28	EPA 6020B		ЛР	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Iron	ND	0.050	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	3.1	0.050	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.55	0.10	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:32	EPA 6010D		CAL	B2H1367	RC-G
Sodium	12	0.50	mg/L	5.00	08/11/22 11:17	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:28	EPA 6020B		ЛР	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:32	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:18	EPA 6020B		ЛР	B2H1455	RC-G

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Sample Number 22H0490-10

Sample Description AF36899 CLFIB-5 collected on 06/27/22 13:48

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
				00-C2 009F	19-10		Miles	1543		
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:49	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:33	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.12	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:33	EPA 6020B		JIP	B2H1391	RC-G
Boron	26	15	ug/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Calcium	290	25	mg/L	500	08/11/22 11:24	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:33	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.004	0.001	mg/L	1.00	08/10/22 16:33	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Iron	1.8	0.050	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	4.7	0.050	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.1	0.10	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:49	EPA 6010D		CAL	B2H1367	RC-G
Sodium	20	0.50	mg/L	5.00	08/11/22 11:27	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:33	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 16:49	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:23	EPA 6020B		JIP	B2H1455	RC-G

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Sample Number 22H0490-11

Sample Description AF36900 CLFIB-5D collected on 06/27/22 14:47

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:52	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:37	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.018	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:37	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Calcium	59	2.5	mg/L	50.0	08/11/22 11:34	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:37	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/10/22 16:37	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.21	0.050	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	2.6	0.050	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Potassium	3.7	0.10	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:52	EPA 6010D		CAL	B2H1367	RC-G
Sodium	4.8	0.10	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:37	EPA 6020B		ЛР	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 16:52	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:27	EPA 6020B		ЛР	B2H1455	RC-G



Sample Number 22H0490-12

Sample Description AF36902 POZ-3 collected on 06/27/22 15:46

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.070	0.050	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:56	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 16:42	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.11	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 16:42	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Calcium	180	2.5	mg/L	50.0	08/11/22 11:58	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 16:42	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.003	0.001	mg/L	1.00	08/10/22 16:42	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.13	0.050	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	8.3	0.25	mg/L	5.00	08/11/22 12:01	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.36	0.10	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:56	EPA 6010D		CAL	B2H1367	RC-G
Sodium	54	5.0	mg/L	50.0	08/11/22 11:58	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:42	EPA 6020B		JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 16:56	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:46	EPA 6020B		JIP	B2H1455	RC-G



 Santee Cooper
 Project:
 Ground Water

 1 Riverwood Dr.
 Work Order:
 22H0490

 Moncks Corner, SC 29461
 Reported:
 08/31/22
 17:43

Sample Number 22H0490-13

Sample Description AF36904 POZ-5D collected on 06/28/22 10:03

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.14	0.050	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 16:59	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/12/22 19:21	EPA 6020B	X	JIP	B2H1391	RC-G
Barium	0.060	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Boron	210	15	ug/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Calcium	760	50	mg/L	1,000	08/11/22 19:22	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.008	0.002	mg/L	1.00	08/11/22 16:14	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Iron	11	0.25	mg/L	5.00	08/11/22 12:11	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Lithium	140	10	ug/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	12	0.25	mg/L	5.00	08/11/22 12:11	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Potassium	2.2	0.10	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 16:59	EPA 6010D		CAL	B2H1367	RC-G
Sodium	94	10	mg/L	100	08/11/22 12:08	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 16:57	EPA 6020B		ЛР	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 16:59	EPA 6010D		KTH	B2H1367	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 17:43	EPA 6020B	X	JIP	B2H1455	RC-G

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Sample Number 22H0490-14

Sample Description AF36886 CCMLF-1D collected on 06/29/22 10:33

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:03	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:02	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.040	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:11	EPA 6020B		JIP	B2H1391	RC-G
Boron	15	15	ug/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Calcium	55	2.5	mg/L	50.0	08/11/22 11:41	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:11	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.002	mg/L	1.00	08/11/22 15:11	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Iron	1.1	0.050	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	1.3	0.050	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.2	0.10	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:03	EPA 6010D		CAL	B2H1367	RC-G
Sodium	3.1	0.10	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:02	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:03	EPA 6010D		KTH	B2H1367	RC-G



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

22H0490-15 Sample Number

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Tarameer		Limit	Service 50 50 50 50 500 T	<i>D</i> .						
Total Metals										
Aluminum	0.11	0.050	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:06	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:07	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.035	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:16	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Calcium	16	0.25	mg/L	5.00	08/11/22 12:18	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:16	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.002	mg/L	1.00	08/11/22 15:16	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.49	0.050	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	0.39	0.050	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.90	0.10	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:06	EPA 6010D		CAL	B2H1367	RC-G
Sodium	3.8	0.10	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:07	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:06	EPA 6010D		KTH	B2H1367	RC-G

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Sample Number 22H0490-16

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:10	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:11	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.050	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:21	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Calcium	59	2.5	mg/L	50.0	08/11/22 12:42	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:21	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.002	mg/L	1.00	08/11/22 15:21	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.42	0.050	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	1.4	0.050	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.51	0.10	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:10	EPA 6010D		CAL	B2H1367	RC-G
Sodium	6.8	0.50	mg/L	5.00	08/11/22 12:45	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:11	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:10	EPA 6010D		KTH	B2H1367	RC-G

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

22H0490-17 Sample Number

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.69	0.050	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:13	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:16	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.038	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	0.004	0.0005	mg/L	1.00	08/11/22 15:25	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Calcium	17	0.25	mg/L	5.00	08/11/22 12:25	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:25	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	0.035	0.002	mg/L	1.00	08/11/22 15:25	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Iron	ND	0.050	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	4.8	0.050	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Nickel	0.024	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Potassium	1.3	0.10	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:13	EPA 6010D		CAL	B2H1367	RC-G
Sodium	2.2	0.10	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:16	EPA 6020B		ЛР	B2H1391	RC-G
Zine	0.034	0.010	mg/L	1.00	08/09/22 17:13	EPA 6010D		KTH	B2H1367	RC-G

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Sample Number 22H0490-18

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
1 at affect	1100	Lillit				11101104		1 IIIII j Se	Daven	
Total Metals										
Aluminum	0.093	0.050	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:17	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.025	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	JIP	B2H1391	RC-G
Barium	0.056	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.002	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	JIP	B2H1391	RC-G
Boron	21000	75	ug/L	5.00	08/11/22 12:55	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Calcium	1000	50	mg/L	1,000	08/11/22 19:26	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.025	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	JIP	B2H1391	RC-G
Cobalt	ND	0.005	mg/L	5.00	08/12/22 19:26	EPA 6020B	\mathbf{X}	JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Iron	3.1	0.050	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Lithium	27	10	ug/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	140	5.0	mg/L	100	08/11/22 12:52	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Potassium	13	0.10	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:17	EPA 6010D		CAL	B2H1367	RC-G
Sodium	180	10	mg/L	100	08/11/22 12:52	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.005	mg/L	5.00	08/12/22 19:26	EPA 6020B	X	JIP	B2H1391	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 17:17	EPA 6010D		KTH	B2H1367	RC-G

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

22H0490-19 Sample Number

Sample Description AF36878 CCMAP-2 collected on 06/30/22 10:33

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:34	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:26	EPA 6020B		JIP	B2H1391	RC-G
Barium	0.016	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:50	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Calcium	8.6	0.25	mg/L	5.00	08/11/22 13:02	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:50	EPA 6020B		JIP	B2H1391	RC-G
Cobalt	ND	0.002	mg/L	1.00	08/11/22 15:50	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.072	0.050	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	0.20	0.050	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.66	0.10	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:34	EPA 6010D		CAL	B2H1367	RC-G
Sodium	3.2	0.10	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:26	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:34	EPA 6010D		KTH	B2H1367	RC-G

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Sample Number 22H0490-20

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
1 at affect	resure	Limit		171	7 mary zea	Michiga	1 1116	2 thuly se	Butti	
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:37	EPA 6010D		CAL	B2H1367	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:30	EPA 6020B		ЛР	B2H1391	RC-G
Barium	0.037	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/11/22 15:54	EPA 6020B		JIP	B2H1391	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Calcium	14	0.25	mg/L	5.00	08/11/22 13:09	EPA 6010D		KTH	B2H1367	RC-G
Chromium	ND	0.005	mg/L	1.00	08/11/22 15:54	EPA 6020B		ЛР	B2H1391	RC-G
Cobalt	0.007	0.002	mg/L	1.00	08/11/22 15:54	EPA 6020B		JIP	B2H1391	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Iron	0.053	0.050	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Magnesium	0.62	0.050	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Potassium	0.87	0.10	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:37	EPA 6010D		CAL	B2H1367	RC-G
Sodium	5.9	0.50	mg/L	5.00	08/11/22 13:09	EPA 6010D		KTH	B2H1367	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:30	EPA 6020B		JIP	B2H1391	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 17:37	EPA 6010D		KTH	B2H1367	RC-G

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Sample Number 22H0490-21

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 17:51	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Barium	0.17	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Boron	26	15	ug/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Calcium	89	2.5	mg/L	50.0	08/11/22 13:26	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.006	0.001	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Iron	2.8	0.050	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	2.5	0.050	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.98	0.10	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 17:51	EPA 6010D		CAL	B2H1368	RC-G
Sodium	15	1.0	mg/L	10.0	08/11/22 13:36	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:37	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 17:51	EPA 6010D		KTH	B2H1368	RC-G



Sample Number 22H0490-22

Sample Description AF36881 CCMAP-4 DUP collected on 06/30/22 12:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 18:11	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Barium	0.16	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Boron	25	15	ug/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Calcium	85	2.5	mg/L	50.0	08/11/22 13:46	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.006	0.001	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Iron	2.6	0.050	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	2.4	0.050	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.95	0.10	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 18:11	EPA 6010D		CAL	B2H1368	RC-G
Sodium	14	1.0	mg/L	10.0	08/11/22 13:56	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:41	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 18:11	EPA 6010D		KTH	B2H1368	RC-G

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Sample Number 22H0490-23

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
1 in time con		Linne								
Total Metals										
Aluminum	0.075	0.050	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 18:32	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:15	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.20	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 18:46	EPA 6020B		JIP	B2H1392	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Calcium	140	5.0	mg/L	100	08/11/22 14:23	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:46	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.008	0.001	mg/L	1.00	08/10/22 18:46	EPA 6020B		ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Iron	0.30	0.050	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	2.4	0.050	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.89	0.10	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 18:32	EPA 6010D		CAL	B2H1368	RC-G
Sodium	15	1.0	mg/L	10.0	08/11/22 14:27	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:46	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 18:32	EPA 6010D		KTH	B2H1368	RC-G

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Sample Number 22H0490-24

Sample Description AF36876 CBW-1 collected on 06/20/22 14:16

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.81	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 17:56	EPA 6020B		ЛР	B2H1392	RC-G
Barium	0.033	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/22/22 22:26	EPA 6020B		ЛР	B2H1735	RC-G
Boron	15	15	ug/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Calcium	29	2.5	mg/L	50.0	08/11/22 14:33	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/17/22 17:59	EPA 6020B		ЛР	B2H1735	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/17/22 17:59	EPA 6020B		ЛР	B2H1735	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Iron	0.14	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	1.9	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.62	0.10	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 14:43	EPA 6010D		CAL	B2H1368	RC-G
Sodium	3.2	0.10	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 17:56	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/11/22 14:43	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 14:56	EPA 6020B		JIP	B2H1455	RC-G



Sample Number 22H0490-25

Sample Description AF36901 PM-1 collected on 06/20/22 15:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
1 at ameter	resure	Limit		DI	7 mary 200	Michiga	1 1116	2 thury se	Daten	
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 18:53	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 18:12	EPA 6020B		ЛР	B2H1392	RC-G
Barium	0.076	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/15/22 16:39	EPA 6020B		JIP	B2H1392	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Calcium	6.2	0.25	mg/L	5.00	08/11/22 14:06	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/15/22 16:39	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	ND	0.001	mg/L	1.00	08/15/22 16:39	EPA 6020B		ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Iron	6.0	0.25	mg/L	5.00	08/11/22 14:06	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	0.47	0.050	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.58	0.10	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Sodium	5.6	0.50	mg/L	5.00	08/11/22 14:06	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:12	EPA 6020B		JIP	B2H1392	RC-G
Zine	0.013	0.010	mg/L	1.00	08/09/22 18:53	EPA 6010D		KTH	B2H1368	RC-G
Rebatch Sample Number: 22H0490-25RI	E1									
Chromium	ND	0.005	mg/L	1.00	08/17/22 18:16	EPA 6020B		JIP	B2H1735	RC-G
Cobalt	0.001	0.001	mg/L	1.00	08/17/22 18:16	EPA 6020B		JIP	B2H1735	RC-G
Dissolved Metals										
	ND	0.005	mg/L	1.00	08/13/22 15:00	EPA 6020B		ПР	R2H1455	RC G
Lithium Magnesium Molybdenum Nickel Potassium Sodium Thallium Zinc Rebatch Sample Number: 22H0490-25RI Chromium	ND 0.47 ND ND 0.58 5.6 ND 0.013	10 0.050 10 0.010 0.10 0.50 0.001 0.010	ug/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	1.00 1.00 1.00 1.00 1.00 5.00 1.00	08/09/22 18:53 08/09/22 18:53 08/09/22 18:53 08/09/22 18:53 08/09/22 18:53 08/11/22 14:06 08/10/22 18:12 08/09/22 18:53	EPA 6010D EPA 6020B EPA 6010D		КТН КТН КТН КТН КТН ИР КТН	B2H1368 B2H1368 B2H1368 B2H1368 B2H1368 B2H1392 B2H1368 B2H1392	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G



22H0490-26 Sample Number

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
		Dillit			•					
Total Metals										
Aluminum	7.1	0.10	mg/L	2.00	08/11/22 15:16	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 15:19	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:20	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.023	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.006	0.0005	mg/L	1.00	08/10/22 18:51	EPA 6020B		JIP	B2H1392	RC-G
Boron	4200	15	ug/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Calcium	200	2.5	mg/L	50.0	08/11/22 15:08	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:51	EPA 6020B		ЛР	B2H1392	RC-G
Cobalt	0.033	0.001	mg/L	1.00	08/10/22 18:51	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Iron	200	2.5	mg/L	50.0	08/11/22 15:08	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	49	2.5	mg/L	50.0	08/11/22 15:08	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.013	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Potassium	2.5	0.10	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 15:19	EPA 6010D		CAL	B2H1368	RC-G
Sodium	65	5.0	mg/L	50.0	08/11/22 15:08	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:51	EPA 6020B		JIP	B2H1392	RC-G
Zinc	0.021	0.010	mg/L	1.00	08/11/22 15:19	EPA 6010D		KTH	B2H1368	RC-G



22H0490-27 Sample Number

Sample Description AF36889 CGYP-2 collected on 06/21/22 11:09

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	16	0.25	mg/L	5.00	08/11/22 15:29	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 15:37	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Barium	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.003	0.0005	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Boron	570	15	ug/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Calcium	240	2.5	mg/L	50.0	08/11/22 15:26	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.018	0.001	mg/L	1.00	08/10/22 18:56	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Iron	68	2.5	mg/L	50.0	08/11/22 15:26	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	18	0.25	mg/L	5.00	08/11/22 15:29	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.4	0.10	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 15:37	EPA 6010D		CAL	B2H1368	RC-G
Sodium	4.9	0.10	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 18:56	EPA 6020B		ЛР	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/11/22 15:37	EPA 6010D		KTH	B2H1368	RC-G



Sample Number 22H0490-28

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
				00-5109/	1992		N/1947	150		
Total Metals										
Aluminum	15	0.25	mg/L	5.00	08/11/22 15:57	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 16:04	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Barium	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.003	0.0005	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Boron	570	15	ug/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Calcium	240	2.5	mg/L	50.0	08/11/22 15:54	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.018	0.001	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Iron	66	2.5	mg/L	50.0	08/11/22 15:54	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	17	0.25	mg/L	5.00	08/11/22 15:57	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.4	0.10	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 16:04	EPA 6010D		CAL	B2H1368	RC-G
Sodium	4.8	0.10	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:01	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/11/22 16:04	EPA 6010D		KTH	B2H1368	RC-G



Sample Number 22H0490-29

Sample Description AF36891 CGYP-3 collected on 06/21/22 12:31

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	43	5.0	mg/L	100	08/11/22 16:11	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 16:22	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:25	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.017	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.017	0.0005	mg/L	1.00	08/10/22 19:05	EPA 6020B		JIP	B2H1392	RC-G
Boron	9900	30	ug/L	2.00	08/11/22 16:18	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Calcium	460	5.0	mg/L	100	08/11/22 16:11	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:05	EPA 6020B		ЛР	B2H1392	RC-G
Cobalt	0.055	0.001	mg/L	1.00	08/10/22 19:05	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Iron	210	5.0	mg/L	100	08/11/22 16:11	EPA 6010D		KTH	B2H1368	RC-G
Lead	0.011	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Lithium	29	10	ug/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	19	0.25	mg/L	5.00	08/11/22 16:14	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.034	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.5	0.10	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 16:22	EPA 6010D		CAL	B2H1368	RC-G
Sodium	85	10	mg/L	100	08/11/22 16:11	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:05	EPA 6020B		JIP	B2H1392	RC-G
Zinc	0.054	0.010	mg/L	1.00	08/11/22 16:22	EPA 6010D		KTH	B2H1368	RC-G



22H0490-30 Sample Number

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	18	0.25	mg/L	5.00	08/11/22 16:42	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 16:49	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:45	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.019	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.013	0.0005	mg/L	1.00	08/10/22 19:10	EPA 6020B		JIP	B2H1392	RC-G
Boron	4300	15	ug/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Calcium	270	5.0	mg/L	100	08/11/22 16:39	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:10	EPA 6020B		ЛР	B2H1392	RC-G
Cobalt	0.033	0.001	mg/L	1.00	08/10/22 19:10	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Iron	100	5.0	mg/L	100	08/11/22 16:39	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Lithium	39	10	ug/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	13	0.25	mg/L	5.00	08/11/22 16:42	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.027	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Potassium	2.5	0.10	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 16:49	EPA 6010D		CAL	B2H1368	RC-G
Sodium	77	10	mg/L	100	08/11/22 16:39	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:10	EPA 6020B		JIP	B2H1392	RC-G
Zinc	0.047	0.010	mg/L	1.00	08/11/22 16:49	EPA 6010D		KTH	B2H1368	RC-G



Sample Number 22H0490-31

Sample Description AF36893 CGYP-6 collected on 06/21/22 14:23

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
		Limit			•			•		
Total Metals										
Aluminum	8.2	0.10	mg/L	2.00	08/11/22 17:03	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/11/22 17:07	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:49	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.29	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.019	0.0005	mg/L	1.00	08/10/22 19:15	EPA 6020B		JIP	B2H1392	RC-G
Boron	6100	30	ug/L	2.00	08/11/22 17:03	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Calcium	430	25	mg/L	500	08/11/22 19:43	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:15	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.117	0.001	mg/L	1.00	08/10/22 19:15	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Iron	45	2.5	mg/L	50.0	08/11/22 16:56	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Lithium	100	10	ug/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	14	0.25	mg/L	5.00	08/11/22 17:00	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.12	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.9	0.10	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.050	mg/L	1.00	08/11/22 17:07	EPA 6010D		CAL	B2H1368	RC-G
Sodium	98	5.0	mg/L	50.0	08/11/22 16:56	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:15	EPA 6020B		JIP	B2H1392	RC-G
Zine	0.082	0.010	mg/L	1.00	08/11/22 17:07	EPA 6010D		KTH	B2H1368	RC-G



Sample Number 22H0490-32

Sample Description AF36908 POZ-8 collected on 06/28/22 10:50

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
rarameter	Result	Limit	Cints	Dr	Analyzeu	Witting	Tiag	Analyst	Daten	
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:18	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/22/22 22:58	EPA 6020B		JIP	B2H1392	RC-G
Barium	0.30	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.0005	mg/L	1.00	08/10/22 19:20	EPA 6020B		JIP	B2H1392	RC-G
Boron	26	15	ug/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Calcium	390	50	mg/L	1,000	08/11/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.005	mg/L	1.00	08/10/22 19:20	EPA 6020B		JIP	B2H1392	RC-G
Cobalt	0.001	0.001	mg/L	1.00	08/10/22 19:20	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Iron	9.4	0.25	mg/L	5.00	08/11/22 17:27	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Lithium	28	10	ug/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	9.4	0.25	mg/L	5.00	08/11/22 17:27	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Potassium	5.4	0.10	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:18	EPA 6010D		CAL	B2H1368	RC-G
Sodium	46	5.0	mg/L	50.0	08/11/22 17:24	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:20	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 19:18	EPA 6010D		KTH	B2H1368	RC-G



22H0490-33 Sample Number

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

7	Result	Reporting	Units	DE	F	Method	171	X T X	D. A.I.	T L
Parameter	Resuit	Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:35	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.005	mg/L	1.00	08/10/22 19:35	EPA 6020B		ЛР	B2H1392	RC-G
Barium	0.082	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 22:54	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	18	15	ug/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Calcium	25	0.50	mg/L	10.0	08/11/22 14:52	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 22:54	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 22:54	EPA 6020B	X	JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Iron	0.32	0.050	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	1.1	0.050	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.2	0.10	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:35	EPA 6010D		CAL	B2H1368	RC-G
Sodium	3.9	0.10	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:35	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 19:35	EPA 6010D		KTH	B2H1368	RC-G



Sample Number 22H0490-34

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:38	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 22:59	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.18	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 22:59	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	26	15	ug/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Calcium	340	25	mg/L	500	08/11/22 17:34	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 22:59	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 22:59	EPA 6020B	X	JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Iron	2.0	0.050	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	3.7	0.050	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Potassium	2.1	0.10	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:38	EPA 6010D		CAL	B2H1368	RC-G
Sodium	16	1.0	mg/L	10.0	08/11/22 17:37	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:40	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 19:38	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:05	EPA 6020B		JIP	B2H1455	RC-G



Sample Number 22H0490-35

Sample Description AF36875 CAP-14 collected on 06/22/22 09:39

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:42	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:04	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.071	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:04	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	ND	15	ug/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Calcium	110	2.5	mg/L	50.0	08/11/22 17:44	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:04	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 23:04	EPA 6020B	X	JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Iron	1.5	0.050	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	1.6	0.050	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.56	0.10	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:42	EPA 6010D		CAL	B2H1368	RC-G
Sodium	8.2	1.0	mg/L	10.0	08/11/22 17:48	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:45	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 19:42	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:09	EPA 6020B		ЛР	B2H1455	RC-G



22H0490-36 Sample Number

Sample Description AF36872 CAP-11 collected on 06/22/22 13:57

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.19	0.050	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:45	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:24	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.12	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.001	0.001	mg/L	2.00	08/16/22 23:24	EPA 6020B		JIP	B2H1392	RC-G
Boron	15	15	ug/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Calcium	16	0.50	mg/L	10.0	08/11/22 18:08	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:24	EPA 6020B	X	ЛР	B2H1392	RC-G
Cobalt	0.006	0.004	mg/L	2.00	08/16/22 23:24	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Iron	0.60	0.050	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Lithium	33	10	ug/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	0.80	0.050	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.58	0.10	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:45	EPA 6010D		CAL	B2H1368	RC-G
Sodium	43	1.0	mg/L	10.0	08/11/22 18:08	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:49	EPA 6020B		JIP	B2H1392	RC-G
Zine	0.034	0.010	mg/L	1.00	08/09/22 19:45	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/13/22 15:14	EPA 6020B		JIP	B2H1455	RC-G



22H0490-37 Sample Number

Sample Description AF36862 CAP-2 collected on 06/22/22 12:02

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
decided a www.decided mind		2		10-2009	-). 0			
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:49	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:28	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.045	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:28	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	7800	150	ug/L	10.0	08/11/22 18:18	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Calcium	630	50	mg/L	1,000	08/11/22 19:53	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:28	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	0.011	0.004	mg/L	2.00	08/16/22 23:28	EPA 6020B		JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Iron	1.9	0.050	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Lithium	19	10	ug/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	59	5.0	mg/L	100	08/11/22 18:15	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.013	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Potassium	7.1	0.10	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:49	EPA 6010D		CAL	B2H1368	RC-G
Sodium	120	10	mg/L	100	08/11/22 18:15	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.004	mg/L	2.00	08/16/22 23:28	EPA 6020B	X	ЛР	B2H1392	RC-G
Zinc	0.013	0.010	mg/L	1.00	08/09/22 19:49	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 17:48	EPA 6020B	X	ЛР	B2H1455	RC-G



22H0490-38 Sample Number

Sample Description AF36874 CAP-13 collected on 06/22/22 10:27

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
To a law a law				00-00	***		7.4.70			
Total Metals						FD. 444.5				
Aluminum	0.22	0.050	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:52	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:33	EPA 6020B	X	JIP	B2H1392	RC-G
Barium	0.10	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:33	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	23	15	ug/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Calcium	21	0.50	mg/L	10.0	08/11/22 18:25	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:33	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 23:33	EPA 6020B	X	JIP	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Iron	11	0.50	mg/L	10.0	08/11/22 18:25	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	0.93	0.050	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.3	0.10	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:52	EPA 6010D		CAL	B2H1368	RC-G
Sodium	7.0	1.0	mg/L	10.0	08/11/22 18:25	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 19:59	EPA 6020B		JIP	B2H1392	RC-G
Zine	ND	0.010	mg/L	1.00	08/09/22 19:52	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
	ND	0.005	mg/L	1.00	08/13/22 15:23	EPA 6020B		ЛР	B2H1455	DC C
Arsenic, Dissolved	ND	0.003	mg/L	1.00	06/13/22 13:23	BFA 0020D		JIP	DZП1433	RC-G



22H0490-39 Sample Number

Sample Description AF36861 CAP-1 collected on 06/22/22 12:53

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	11	0.50	mg/L	10.0	08/11/22 18:35	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 19:56	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:38	EPA 6020B	X	ЛР	B2H1392	RC-G
Barium	0.020	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	0.010	0.001	mg/L	2.00	08/16/22 23:38	EPA 6020B		ЛР	B2H1392	RC-G
Boron	590	15	ug/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Calcium	270	5.0	mg/L	100	08/11/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:38	EPA 6020B	X	ЛР	B2H1392	RC-G
Cobalt	0.023	0.004	mg/L	2.00	08/16/22 23:38	EPA 6020B		ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Iron	52	5.0	mg/L	100	08/11/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Lithium	98	10	ug/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	8.1	0.50	mg/L	10.0	08/11/22 18:35	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Nickel	0.015	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Potassium	0.70	0.10	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 19:56	EPA 6010D		CAL	B2H1368	RC-G
Sodium	66	10	mg/L	100	08/11/22 18:32	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 20:03	EPA 6020B		ЛР	B2H1392	RC-G
Zinc	0.023	0.010	mg/L	1.00	08/09/22 19:56	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/15/22 17:04	EPA 6020B		ЛР	B2H1456	RC-G



Sample Number 22H0490-40

Sample Description AF36871 CAP-10 collected on 06/22/22 14:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
000000010000000000000000000000000000000		2		10-0100	-). 0			
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Antimony	ND	0.050	mg/L	1.00	08/09/22 20:00	EPA 6010D		CAL	B2H1368	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	ЛР	B2H1392	RC-G
Barium	0.085	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	JIP	B2H1392	RC-G
Boron	220	15	ug/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Calcium	100	5.0	mg/L	100	08/11/22 18:52	EPA 6010D		KTH	B2H1368	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	JIP	B2H1392	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 23:43	EPA 6020B	X	ЛР	B2H1392	RC-G
Copper	ND	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Iron	1.5	0.050	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Lead	ND	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Lithium	ND	10	ug/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Magnesium	2.0	0.050	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Molybdenum	ND	10	ug/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Nickel	ND	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Potassium	1.1	0.10	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Selenium	ND	0.020	mg/L	1.00	08/09/22 20:00	EPA 6010D		CAL	B2H1368	RC-G
Sodium	13	1.0	mg/L	10.0	08/11/22 18:55	EPA 6010D		KTH	B2H1368	RC-G
Thallium	ND	0.001	mg/L	1.00	08/10/22 20:08	EPA 6020B		JIP	B2H1392	RC-G
Zinc	ND	0.010	mg/L	1.00	08/09/22 20:00	EPA 6010D		KTH	B2H1368	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.005	mg/L	1.00	08/15/22 17:17	EPA 6020B		ЛР	B2H1456	RC-G



Sample Number 22H0490-41

Sample Description AF36869 CAP-9 collected on 06/22/22 15:40

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	21	0.25	mg/L	5.00	08/13/22 15:43	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 15:53	EPA 6010D	S 1	CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:07	EPA 6020B	X	JIP	B2H1404	RC-G
Barium	0.016	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Beryllium	0.019	0.001	mg/L	2.00	08/16/22 21:07	EPA 6020B		JIP	B2H1404	RC-G
Boron	4500	15	ug/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Calcium	500	25	mg/L	500	08/13/22 15:22	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:07	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.042	0.004	mg/L	2.00	08/16/22 21:07	EPA 6020B		JIP	B2H1404	RC-G
Copper	0.005	0.005	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Iron	120	2.5	mg/L	50.0	08/13/22 15:33	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Lithium	37	10	ug/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Magnesium	59	2.5	mg/L	50.0	08/13/22 15:33	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Nickel	0.024	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Potassium	6.9	0.20	mg/L	2.00	08/16/22 16:04	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 15:53	EPA 6010D	S 1	CAL	B2H1406	RC-G
Sodium	130	5.0	mg/L	50.0	08/13/22 15:33	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 18:49	EPA 6020B		JIP	B2H1404	RC-G
Zine	0.072	0.010	mg/L	1.00	08/13/22 15:53	EPA 6010D	S1	CAL	B2H1406	RC-G
Rebatch Sample Number: 22H04	490-41RE1									
Antimony	ND	0.050	mg/L	1.00	08/17/22 16:56	EPA 6010D	S 1	CAL	B2H1706	RC-G
Barium	0.017	0.010	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Boron	4500	15	ug/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	
Copper	0.010	0.005	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Lead	ND	0.010	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Lithium	38	10	ug/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Molybdenum	ND	10	ug/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	RC-G
Nickel	0.025	0.010	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	
Selenium	ND	0.020	mg/L	1.00	08/17/22 16:56	EPA 6010D	S 1	CAL	B2H1706	
Zinc	0.074	0.010	mg/L	1.00	08/17/22 16:56	EPA 6010D	S1	KTH	B2H1706	
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 17:52	EPA 6020B	X	JIP	B2H1456	RC-G



22H0490-42 Sample Number

Sample Description AF36870 CAP-9 DUP collected on 06/22/22 15:45

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	22	0.25	mg/L	5.00	08/13/22 16:49	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:12	EPA 6020B	X	ЛР	B2H1404	RC-G
Barium	0.016	0.010	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	0.019	0.001	mg/L	2.00	08/16/22 21:12	EPA 6020B		ЛР	B2H1404	RC-G
Boron	4500	15	ug/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Calcium	550	25	mg/L	500	08/13/22 16:35	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:12	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.042	0.004	mg/L	2.00	08/16/22 21:12	EPA 6020B		ЛР	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Iron	130	2.5	mg/L	50.0	08/13/22 16:42	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Lithium	38	10	ug/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	62	2.5	mg/L	50.0	08/13/22 16:42	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Nickel	0.023	0.010	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Potassium	5.9	0.10	mg/L	1.00	08/16/22 16:22	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Sodium	140	5.0	mg/L	50.0	08/13/22 16:42	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 18:54	EPA 6020B		ЛР	B2H1404	RC-G
Zinc	0.076	0.010	mg/L	1.00	08/13/22 16:56	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 17:57	EPA 6020B	X	JIP	B2H1456	RC-G



22H0490-43 Sample Number

Sample Description AF36868 CAP-8 collected on 06/23/22 10:05

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.078	0.050	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:16	EPA 6020B	X	ЛР	B2H1404	RC-G
Barium	0.057	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:16	EPA 6020B	X	ЛР	B2H1404	RC-G
Boron	21000	75	ug/L	5.00	08/13/22 16:52	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Calcium	850	25	mg/L	500	08/13/22 16:38	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:16	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.037	0.004	mg/L	2.00	08/16/22 21:16	EPA 6020B		ЛР	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Iron	11	0.25	mg/L	5.00	08/13/22 16:52	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Lithium	68	10	ug/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	150	2.5	mg/L	50.0	08/13/22 16:45	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Nickel	0.019	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Potassium	18	0.10	mg/L	1.00	08/16/22 16:26	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Sodium	170	5.0	mg/L	50.0	08/13/22 16:45	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:00	EPA 6020B		ЛР	B2H1404	RC-G
Zine	ND	0.010	mg/L	1.00	08/13/22 17:00	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 18:15	EPA 6020B	X	ЛР	B2H1456	RC-G



22H0490-44 Sample Number

Sample Description AF36867 CAP-7 collected on 06/23/22 11:16

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	0.14	0.050	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:21	EPA 6020B	X	JIP	B2H1404	RC-G
Barium	0.038	0.010	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:21	EPA 6020B	X	JIP	B2H1404	RC-G
Boron	32000	750	ug/L	50.0	08/13/22 17:27	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Calcium	1200	25	mg/L	500	08/13/22 17:20	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:21	EPA 6020B	X	JIP	B2H1404	RC-G
Cobalt	0.013	0.004	mg/L	2.00	08/16/22 21:21	EPA 6020B		JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Iron	230	2.5	mg/L	50.0	08/13/22 17:27	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Lithium	ND	10	ug/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	380	25	mg/L	500	08/13/22 17:20	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Nickel	ND	0.010	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Potassium	29	0.10	mg/L	1.00	08/16/22 16:30	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Sodium	180	5.0	mg/L	50.0	08/13/22 17:27	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.004	mg/L	2.00	08/16/22 21:21	EPA 6020B	X	JIP	B2H1404	RC-G
Zine	ND	0.010	mg/L	1.00	08/13/22 17:41	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/16/22 22:01	EPA 6020B	X	JIP	B2H1456	RC-G



Sample Number 22H0490-45

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
				00-61009	1960		30,894	150)		
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	
Antimony	ND	0.050	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:26	EPA 6020B	X	JIP	B2H1404	RC-G
Barium	0.31	0.010	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:26	EPA 6020B	X	JIP	B2H1404	RC-G
Boron	4200	15	ug/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Calcium	410	25	mg/L	500	08/13/22 17:23	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:26	EPA 6020B	X	JIP	B2H1404	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 21:26	EPA 6020B	X	JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Iron	14	0.25	mg/L	5.00	08/13/22 17:37	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Lithium	ND	10	ug/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	13	0.25	mg/L	5.00	08/13/22 17:37	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Nickel	ND	0.010	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Potassium	2.4	0.10	mg/L	1.00	08/16/22 16:50	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Sodium	64	5.0	mg/L	50.0	08/13/22 17:30	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:31	EPA 6020B		JIP	B2H1404	RC-G
Zine	ND	0.010	mg/L	1.00	08/13/22 17:45	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 18:24	EPA 6020B	X	JIP	B2H1456	RC-G



Sample Number 22H0490-46

Sample Description AF36865 CAP-5 collected on 06/23/22 13:27

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	5.6	0.25	mg/L	5.00	08/13/22 18:19	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:31	EPA 6020B	X	ЛР	B2H1404	RC-G
Barium	1.3	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	0.005	0.001	mg/L	2.00	08/16/22 21:31	EPA 6020B		ЛР	B2H1404	RC-G
Boron	140	15	ug/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Calcium	150	2.5	mg/L	50.0	08/13/22 18:12	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:31	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.014	0.004	mg/L	2.00	08/16/22 21:31	EPA 6020B		ЛР	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Iron	130	2.5	mg/L	50.0	08/13/22 18:12	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Lithium	12	10	ug/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	4.8	0.050	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Nickel	0.017	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Potassium	1.1	0.10	mg/L	1.00	08/16/22 16:54	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Sodium	73	5.0	mg/L	50.0	08/13/22 18:12	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:36	EPA 6020B		ЛР	B2H1404	RC-G
Zine	ND	0.010	mg/L	1.00	08/13/22 18:26	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/15/22 18:29	EPA 6020B	X	ЛР	B2H1456	RC-G



22H0490-47 Sample Number

Sample Description AF36864 CAP-4 collected on 06/23/22 14:49

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:51	EPA 6020B	X	JIP	B2H1404	RC-G
Barium	0.11	0.010	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:51	EPA 6020B	X	JIP	B2H1404	RC-G
Boron	11000	75	ug/L	5.00	08/13/22 18:22	EPA 6010D		CAL	B2H1406	RC-G
Cadmium	ND	0.004	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Calcium	660	25	mg/L	500	08/13/22 18:08	EPA 6010D		CAL	B2H1406	RC-G
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:51	EPA 6020B	X	JIP	B2H1404	RC-G
Cobalt	ND	0.004	mg/L	2.00	08/16/22 21:51	EPA 6020B	X	JIP	B2H1404	RC-G
Copper	ND	0.005	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Iron	13	0.25	mg/L	5.00	08/13/22 18:22	EPA 6010D		CAL	B2H1406	RC-G
Lead	ND	0.010	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Lithium	25	10	ug/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Magnesium	79	2.5	mg/L	50.0	08/13/22 18:15	EPA 6010D		CAL	B2H1406	RC-G
Molybdenum	ND	10	ug/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Nickel	ND	0.010	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Potassium	14	0.10	mg/L	1.00	08/16/22 16:58	EPA 6010D		CAL	B2H1406	RC-G
Selenium	ND	0.020	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Sodium	120	5.0	mg/L	50.0	08/13/22 18:15	EPA 6010D		CAL	B2H1406	RC-G
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:41	EPA 6020B		JIP	B2H1404	RC-G
Zine	ND	0.010	mg/L	1.00	08/13/22 18:29	EPA 6010D		CAL	B2H1406	RC-G
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/16/22 22:05	EPA 6020B	X	JIP	B2H1456	RC-G



22H0490-48 Sample Number

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

Parameter	Result	Reporting Limit	Units	DF	Analyzed	Method	Flag	Analyst	Batch	Lab
Total Metals										
Aluminum	ND	0.050	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	RC-G
Antimony	ND	0.050	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Arsenic	ND	0.010	mg/L	2.00	08/16/22 21:56	EPA 6020B	X	ЛР	B2H1404	
Barium	0.084	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Beryllium	ND	0.001	mg/L	2.00	08/16/22 21:56	EPA 6020B	X	ЛР	B2H1404	
Boron	6100	75	ug/L	5.00	08/13/22 18:57	EPA 6010D		CAL	B2H1406	
Cadmium	ND	0.004	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Calcium	560	25	mg/L	500	08/13/22 18:50	EPA 6010D		CAL	B2H1406	
Chromium	ND	0.010	mg/L	2.00	08/16/22 21:56	EPA 6020B	X	ЛР	B2H1404	RC-G
Cobalt	0.030	0.004	mg/L	2.00	08/16/22 21:56	EPA 6020B		ЛР	B2H1404	
Copper	ND	0.005	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Iron	1.2	0.050	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Lead	ND	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Lithium	10	10	ug/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Magnesium	58	2.5	mg/L	50.0	08/13/22 18:53	EPA 6010D		CAL	B2H1406	
Molybdenum	ND	10	ug/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Nickel	0.015	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Potassium	6.1	0.10	mg/L	1.00	08/16/22 17:01	EPA 6010D		CAL	B2H1406	
Selenium	ND	0.020	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Sodium	81	5.0	mg/L	50.0	08/13/22 18:53	EPA 6010D		CAL	B2H1406	
Thallium	ND	0.001	mg/L	1.00	08/17/22 19:46	EPA 6020B		ЛР	B2H1404	
Zinc	0.023	0.010	mg/L	1.00	08/13/22 19:00	EPA 6010D		CAL	B2H1406	
Zinc	0.020	5.510		1.00	00/15/22 19:00			CAL	132111 100	10-0
Dissolved Metals										
Arsenic, Dissolved	ND	0.010	mg/L	2.00	08/16/22 22:10	EPA 6020B	X	ЛР	B2H1456	RC-G



Total Metals **Quality Control Summary**

		Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab

Ratch 1	R2H136	7 - EPA	3005A

Bla	nk (B2H13	367-BLK1)

Nationary No. 100 0.050 mg.L 100 0.0	Description of the Control of the Co							
Series S	Aluminum	ND	0.050	mg/L				RC-G
Second ND	Antimony	ND	0.050	mg/L				RC-G
Calcinim ND 0.04 mg/L RC-C Calcinim ND 0.05 mg/L RC-C Calcinim ND 0.05 mg/L RC-C	Barium	ND	0.010	mg/L				RC-G
Calcium ND 0.050 mg/L RC-CC COpper ND 0.010 mg/L RC-CC RC-CC COpper ND 0.010 mg/L RC-CC RC-CC </td <td>Boron</td> <td>ND</td> <td>15</td> <td>ug/L</td> <td></td> <td></td> <td></td> <td>RC-G</td>	Boron	ND	15	ug/L				RC-G
Page	Cadmium	ND	0.004	mg/L				RC-G
ND	Calcium	ND	0.050	mg/L				RC-G
Read	Copper	ND	0.010	mg/L				RC-G
athining ND 10 ug/L CCC	ron	ND	0.050	mg/L				RC-G
Adaptesisism ND 0.050 mg/L RC-C Molybdenum ND 10 ug/L RC-C Nickel ND 0.010 mg/L RC-C Sclenium ND 0.010 mg/L RC-C Lock RC-C RC-C RC-C RC-C Lock RC-C RC-C RC-C RC-C Lock RC-C RC-C RC-C RC-C Antimony 0.52 0.050 mg/L 0.500 97 80-120 RC-C Boron 490 0.15 ug/L 500 98 80-120 RC-C Calcium 0.49 0.010 mg/L 0.500 97 80-120 RC-C <	Lead	ND	0.010	mg/L				RC-G
Molybedenum MD 10	Lithium	ND	10	ug/L				RC-G
Sickel ND 0.010 mg/L RC-Consistion RC-Consistio	Magnesium	ND	0.050	mg/L				RC-G
Potassium ND 0.10 mg/L RC-C Selenium ND 0.020 mg/L RC-C Selenium ND 0.10 mg/L RC-C Selenium ND 0.10 mg/L RC-C Selenium ND 0.01 mg/L RC-C Line ND 0.01 mg/L RC-C Line ND 0.01 mg/L RC-C Line ND 0.01 mg/L 0.50 97 80-120 RC-C Antimony 0.52 0.05 mg/L 0.50 104 80-120 RC-C Serium 0.49 0.01 mg/L 0.50 99 80-120 RC-C Calarium 0.49 0.01 mg/L 0.50 98 80-120 RC-C Calarium 0.50 0.05 mg/L 0.50 99 80-120 RC-C Calarium 0.50 0.05 mg/L 0.50 99	Molybdenum	ND	10	ug/L				RC-G
Selenium	Nickel	ND	0.010	mg/L				RC-G
Sodium ND 0.10 mg/L RC-G Cine ND 0.010 mg/L RC-G LCS (B2H1367-BS1) CCS (B2H1367-BS1) CCS (B2H1367-BS1) RC-G Muminum 0.48 0.050 mg/L 0.500 97 80-120 RC-G Antimony 0.52 0.050 mg/L 0.500 99 80-120 RC-G Boron 490 15 ug/L 500 98 80-120 RC-G Cadmium 0.48 0.004 mg/L 0.500 97 80-120 RC-G Calcium 0.50 0.050 mg/L 0.500 97 80-120 RC-G Calcium 0.50 0.050 mg/L 0.500 97 80-120 RC-G Calcium 0.50 mg/L 0.500 99 80-120 RC-G Capper 0.49 0.010 mg/L 0.500 97 80-120 RC-G Acad 0.49 0.050 </td <td>Potassium</td> <td>ND</td> <td>0.10</td> <td>mg/L</td> <td></td> <td></td> <td></td> <td>RC-G</td>	Potassium	ND	0.10	mg/L				RC-G
Rine ND 0.010 mg/L RC-Color ACS (B2H1367-BS1) Actiminum 0.48 0.050 mg/L 0.500 97 80-120 RC-Color Antimony 0.52 0.050 mg/L 0.500 104 80-120 RC-Color Barium 0.49 0.010 mg/L 0.500 99 80-120 RC-Color Conn 490 15 ug/L 500 98 80-120 RC-Color Calcium 0.48 0.004 mg/L 0.500 97 80-120 RC-Color Calcium 0.50 mg/L 0.500 97 80-120 RC-Color Copper 0.49 0.010 mg/L 0.500 99 80-120 RC-Color Conn 0.49 0.010 mg/L 0.500 98 80-120 RC-Color Alagnesium 0.49 0.050 mg/L 0.500 98 80-120 RC-Color Alagnes	Selenium	ND	0.020	mg/L				RC-G
CCS (B2H1367-BS1) Cluminum	odium	ND	0.10	mg/L				RC-G
Aluminum 0.48 0.050 mg/L 0.500 97 80-120 RC-CC Antimony 0.52 0.050 mg/L 0.500 104 80-120 RC-CC Barium 0.49 0.010 mg/L 0.500 99 80-120 RC-CC Boron 490 15 ug/L 500 98 80-120 RC-CC Cadmium 0.48 0.004 mg/L 0.500 97 80-120 RC-CC Calcium 0.50 0.050 mg/L 0.500 97 80-120 RC-CC Calcium 0.50 0.050 mg/L 0.500 99 80-120 RC-CC Capper 0.49 0.010 mg/L 0.500 99 80-120 RC-CC Cron 0.49 0.050 mg/L 0.500 98 80-120 RC-CC Alamesium 480 10 ug/L 500 95 80-120 RC-CC Alolybehum <th< td=""><td>Zinc</td><td>ND</td><td>0.010</td><td>mg/L</td><td></td><td></td><td></td><td>RC-G</td></th<>	Zinc	ND	0.010	mg/L				RC-G
Antimony 0.52 0.050 mg/L 0.500 104 80-120 RC-Co Sarium 0.49 0.010 mg/L 0.500 99 80-120 RC-Co Sarium 0.49 0.010 mg/L 0.500 99 80-120 RC-Co Sarium 0.48 0.004 mg/L 0.500 97 80-120 RC-Co Sarium 0.50 0.050 mg/L 0.500 101 80-120 RC-Co Sarium 0.50 0.050 mg/L 0.500 99 80-120 RC-Co Sarium 0.49 0.010 mg/L 0.500 99 80-120 RC-Co Sarium 0.49 0.050 mg/L 0.500 99 80-120 RC-Co Sarium 0.49 0.050 mg/L 0.500 99 80-120 RC-Co Sarium 0.49 0.010 mg/L 0.500 99 80-120 RC-Co Sarium 0.49 0.010 mg/L 0.500 98 80-120 RC-Co Sarium 0.49 0.050 mg/L 0.500 98 80-120 RC-Co Sarium 0.49 0.050 mg/L 0.500 96 80-120 RC-Co Sarium 0.49 0.050 mg/L 0.500 97 80-120 RC-Co Sarium 0.49 0.010 mg/L 0.500 97 80-120 RC-Co Sarium 0.49 0.010 mg/L 0.500 97 80-120 RC-Co Sarium 0.49 0.010 mg/L 0.500 98 80-120 RC-Co Sarium 0.49 0.49 0.49 0.40 0.40 0.40 0.500 98 80-120 RC-Co Sarium 0.49 0.40 0.40 0.40 0.40 0.40 0.40 0.40	LCS (B2H1367-BS1)							
Barium 0.49 0.010 mg/L 0.500 99 80-120 RC-G Boron 490 15 ug/L 500 98 80-120 RC-G Cadmium 0.48 0.004 mg/L 0.500 97 80-120 RC-G Calcium 0.50 0.050 mg/L 0.500 101 80-120 RC-G Copper 0.49 0.010 mg/L 0.500 99 80-120 RC-G cead 0.49 0.050 mg/L 0.500 97 80-120 RC-G dithium 480 10 ug/L 500 96 80-120 RC-G Magnesium 0.49 0.050 mg/L 0.500 97 80-120 RC-G Molybdenum 480 10 ug/L 500 95 80-120 RC-G Molybdenum 480 10 ug/L 500 95 80-120 RC-G Scleinium 5.2 <	Aluminum	0.48	0.050	mg/L	0.500	97	80-120	RC-G
Boron 490 15 ug/L 500 98 80-120 RC-C Cadmium 0.48 0.004 mg/L 0.500 97 80-120 RC-C Calcium 0.50 0.050 mg/L 0.500 101 80-120 RC-C Copper 0.49 0.010 mg/L 0.500 99 80-120 RC-C cead 0.49 0.010 mg/L 0.500 97 80-120 RC-C cithium 480 10 ug/L 500 96 80-120 RC-C Molybdenum 480 10 ug/L 500 97 80-120 RC-C Molybdenum 480 10 ug/L 500 95 80-120 RC-C Nickel 0.49 0.010 mg/L 0.500 98 80-120 RC-C Sclenium 5.2 0.10 mg/L 0.500 98 80-120 RC-C Sclenium 0.49	Antimony	0.52	0.050	mg/L	0.500	104	80-120	RC-G
Cadmium 0.48 0.004 mg/L 0.500 97 80-120 RC-C Calcium 0.50 0.050 mg/L 0.500 101 80-120 RC-C Copper 0.49 0.010 mg/L 0.500 99 80-120 RC-C ron 0.49 0.050 mg/L 0.500 97 80-120 RC-C lead 0.49 0.010 mg/L 0.500 98 80-120 RC-C lead 0.49 0.010 mg/L 0.500 98 80-120 RC-C lead 0.49 0.010 mg/L 0.500 96 80-120 RC-C lead 0.49 0.050 mg/L 0.500 96 80-120 RC-C lead 0.49 0.050 mg/L 0.500 97 80-120 RC-C delpidenium 480 10 ug/L 500 95 80-120 RC-C Soldium 5.2 <t< td=""><td>3arium</td><td>0.49</td><td>0.010</td><td>mg/L</td><td>0.500</td><td>99</td><td>80-120</td><td>RC-G</td></t<>	3arium	0.49	0.010	mg/L	0.500	99	80-120	RC-G
Calcium 0.50 0.050 mg/L 0.500 101 80-120 RC-Calcium Copper 0.49 0.010 mg/L 0.500 99 80-120 RC-Calcium RC-Calcium 0.49 0.050 mg/L 0.500 97 80-120 RC-Calcium RC-Calciu	Boron	490	15	ug/L	500	98	80-120	RC-G
Copper 0.49 0.010 mg/L 0.500 99 80-120 RC-G ron 0.49 0.050 mg/L 0.500 97 80-120 RC-G cead 0.49 0.010 mg/L 0.500 98 80-120 RC-G cithium 480 10 ug/L 500 96 80-120 RC-G Magnesium 0.49 0.050 mg/L 0.500 97 80-120 RC-G Molybdenum 480 10 ug/L 500 95 80-120 RC-G Nickel 0.49 0.010 mg/L 0.500 98 80-120 RC-G Selenium 5.2 0.10 mg/L 5.00 104 80-120 RC-G Selenium 0.49 0.020 mg/L 0.500 94 80-120 RC-G Selenium 0.49 0.10 mg/L 0.500 98 80-120 RC-G	Cadmium	0.48	0.004	mg/L	0.500	97	80-120	RC-G
ron 0.49 0.050 mg/L 0.500 97 80-120 RC-62 Lead 0.49 0.010 mg/L 0.500 98 80-120 RC-62 Lithium 480 10 ug/L 500 96 80-120 RC-62 Magnesium 0.49 0.050 mg/L 0.500 97 80-120 RC-62 Molybdenum 480 10 ug/L 500 95 80-120 RC-62 Nickel 0.49 0.010 mg/L 0.500 98 80-120 RC-62 Potassium 5.2 0.10 mg/L 5.00 104 80-120 RC-63 Selenium 0.47 0.020 mg/L 0.500 94 80-120 RC-63 Selenium 0.49 0.10 mg/L 0.500 98 80-120 RC-63	Calcium	0.50	0.050	mg/L	0.500	101	80-120	RC-G
Lead 0.49 0.010 mg/L 0.500 98 80-120 RC-60 Lithium 480 10 ug/L 500 96 80-120 RC-60 Magnesium 0.49 0.050 mg/L 0.500 97 80-120 RC-60 Molybdenum 480 10 ug/L 500 95 80-120 RC-60 Nickel 0.49 0.010 mg/L 0.500 98 80-120 RC-60 Selenium 5.2 0.10 mg/L 5.00 104 80-120 RC-60 Selenium 0.47 0.020 mg/L 0.500 94 80-120 RC-60 Sodium 0.49 0.10 mg/L 0.500 98 80-120 RC-60	Copper	0.49	0.010	mg/L	0.500	99	80-120	RC-G
Lithium 480 10 ug/L 500 96 80-120 RC-60 Magnesium 0.49 0.050 mg/L 0.500 97 80-120 RC-60 Molybdenum 480 10 ug/L 500 95 80-120 RC-60 Nickel 0.49 0.010 mg/L 0.500 98 80-120 RC-60 Selenium 5.2 0.10 mg/L 5.00 104 80-120 RC-60 Selenium 0.47 0.020 mg/L 0.500 94 80-120 RC-60 Sodium 0.49 0.10 mg/L 0.500 98 80-120 RC-60	ron	0.49	0.050	mg/L	0.500	97	80-120	RC-G
Magnesium 0.49 0.050 mg/L 0.500 97 80-120 RC-G Molybdenum 480 10 ug/L 500 95 80-120 RC-G Nickel 0.49 0.010 mg/L 0.500 98 80-120 RC-G Potassium 5.2 0.10 mg/L 5.00 104 80-120 RC-G Selenium 0.47 0.020 mg/L 0.500 94 80-120 RC-G Sodium 0.49 0.10 mg/L 0.500 98 80-120 RC-G	Lead	0.49	0.010	mg/L	0.500	98	80-120	RC-G
Molybdenum 480 10 ug/L 500 95 80-120 RC-G Nickel 0.49 0.010 mg/L 0.500 98 80-120 RC-G Potassium 5.2 0.10 mg/L 5.00 104 80-120 RC-G Selenium 0.47 0.020 mg/L 0.500 94 80-120 RC-G Sodium 0.49 0.10 mg/L 0.500 98 80-120 RC-G	Lithium	480	10	ug/L	500	96	80-120	RC-G
Nickel 0.49 0.010 mg/L 0.500 98 80-120 RC-G Potassium 5.2 0.10 mg/L 5.00 104 80-120 RC-G Selenium 0.47 0.020 mg/L 0.500 94 80-120 RC-G Sodium 0.49 0.10 mg/L 0.500 98 80-120 RC-G	Magnesium	0.49	0.050	mg/L	0.500	97	80-120	RC-G
Potassium 5.2 0.10 mg/L 5.00 104 80-120 RC-G Selenium 0.47 0.020 mg/L 0.500 94 80-120 RC-G Sodium 0.49 0.10 mg/L 0.500 98 80-120 RC-G	Molybdenum	480	10	ug/L	500	95	80-120	RC-G
Selenium 0.47 0.020 mg/L 0.500 94 80-120 RC-G Sodium 0.49 0.10 mg/L 0.500 98 80-120 RC-G	lickel vickel	0.49	0.010	mg/L	0.500	98	80-120	RC-G
Sodium 0.49 0.10 mg/L 0.500 98 80-120 RC-G	Potassium	5.2	0.10	mg/L	5.00	104	80-120	RC-G
	Selenium	0.47	0.020	mg/L	0.500	94	80-120	RC-G
inc 0.49 0.010 mg/L 0.500 98 80-120 RC-G	odium	0.49	0.10	mg/L	0.500	98	80-120	RC-G
	Zinc	0.49	0.010	mg/L	0.500	98	80-120	RC-G

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Total Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1367 - EPA 3005A											
Matrix Spike (B2H1367-MS1)	Source: 22H	I0490-01									
Aluminum	0.48	0.050	mg/L	0.500	ND	90	75-125				RC-G
Antimony	0.46	0.050	mg/L	0.500	ND	92	75-125				RC-G
Barium	0.51	0.010	mg/L	0.500	0.087	86	75-125				RC-G
Boron	460	15	ug/L	500	22	88	75-125				RC-G
Cadmium	0.42	0.004	mg/L	0.500	ND	84	75-125				RC-G
Calcium	130	0.050	mg/L	0.500	310	NR	75-125			S3	RC-G
Copper	0.45	0.010	mg/L	0.500	ND	89	75-125				RC-G
Iron	0.86	0.050	mg/L	0.500	0.42	87	75-125				RC-G
Lead	0.41	0.010	mg/L	0.500	ND	82	75-125				RC-G
Lithium	537	10	ug/L	500	13	105	75-125				RC-G
Magnesium	5.8	0.050	mg/L	0.500	5.8	16	75-125			S3	RC-G
Molybdenum	420	10	ug/L	500	ND	84	75-125				RC-G
Nickel	0.42	0.010	mg/L	0.500	0.012	82	75-125				RC-G
Potassium	11	0.10	mg/L	5.00	4.9	117	75-125				RC-G
Selenium	0.41	0.020	mg/L	0.500	ND	82	75-125				RC-G
Sodium	59	0.10	mg/L	0.500	89	NR	75-125			S3	RC-G
Zinc	0.42	0.010	mg/L	0.500	ND	83	75-125				RC-G
Matrix Spike (B2H1367-MS2)	Source: 22H	10490-02									
Aluminum	0.59	0.050	mg/L	0.500	0.068	105	75-125				RC-G
Antimony	0.53	0.050	mg/L	0.500	ND	106	75-125				RC-G
Barium	0.55	0.010	mg/L	0.500	0.058	99	75-125				RC-G
Boron	550	15	ug/L	500	44	102	75-125				RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	98	75-125				RC-G
Calcium	180	0.050	mg/L	0.500	470	NR	75-125			S3	RC-G
Copper	0.52	0.010	mg/L	0.500	ND	105	75-125				RC-G
Iron	12	0.050	mg/L	0.500	13	NR	75-125			S3	RC-G
Lead	0.48	0.010	mg/L	0.500	ND	96	75-125				RC-G
Lithium	604	10	ug/L	500	ND	119	75-125				RC-G
Magnesium	8.1	0.050	mg/L	0.500	8.8	NR	75-125			S3	RC-G
Molybdenum	490	10	ug/L	500	ND	98	75-125				RC-G
Nickel	0.48	0.010	mg/L	0.500	ND	95	75-125				RC-G
Potassium	8.4	0.10	mg/L	5.00	1.7	133	75-125			S1	RC-G
Selenium	0.47	0.020	mg/L	0.500	ND	95	75-125			CARREST.	RC-G
Sodium	57	0.10	mg/L	0.500	69	NR	75-125			S3	RC-G
		0.010	0								

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Total Metals **Quality Control Summary**

		Reporting		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab
Batch B2H1367 - EPA 3005A											
	C 221	TO 400 04									
Matrix Spike Dup (B2H1367-MSD1)	Source: 22I	10490-01									
Aluminum	0.47	0.050	mg/L	0.500	ND	88	75-125	2	20		RC-G
Antimony	0.46	0.050	mg/L	0.500	ND	92	75-125	0.2	20		RC-G
Barium	0.52	0.010	mg/L	0.500	0.087	86	75-125	0.4	20		RC-G
Boron	470	15	ug/L	500	22	89	75-125	0.8	20		RC-G
Cadmium	0.42	0.004	mg/L	0.500	ND	85	75-125	0.7	20		RC-G
Calcium	130	0.050	mg/L	0.500	310	NR	75-125	0.9	20	S3	RC-G
Copper	0.45	0.010	mg/L	0.500	ND	90	75-125	0.7	20		RC-G
Iron	0.88	0.050	mg/L	0.500	0.42	91	75-125	2	20		RC-G
Lead	0.41	0.010	mg/L	0.500	ND	83	75-125	0.7	20		RC-G
Lithium	533	10	ug/L	500	13	104	75-125	0.7	20		RC-G
Magnesium	5.8	0.050	mg/L	0.500	5.8	7	75-125	0.7	20	S3	RC-G
Molybdenum	420	10	ug/L	500	ND	85	75-125	1	20		RC-G
Nickel	0.43	0.010	mg/L	0.500	0.012	83	75-125	1	20		RC-G
Potassium	11	0.10	mg/L	5.00	4.9	117	75-125	0.2	20		RC-G
Selenium	0.42	0.020	mg/L	0.500	ND	84	75-125	1	20		RC-G
Sodium	59	0.10	mg/L	0.500	89	NR	75-125	1	20	S3	RC-G
Zinc	0.43	0.010	mg/L	0.500	ND	85	75-125	2	20		RC-G
Matrix Spike Dup (B2H1367-MSD2)	Source: 22I	10490-02									
Aluminum	0.60	0.050	mg/L	0.500	0.068	106	75-125	1	20		RC-G
Antimony	0.52	0.050	mg/L	0.500	ND	104	75-125	1	20		RC-G
Barium	0.54	0.010	mg/L	0.500	0.058	96	75-125	3	20		RC-G
Boron	540	15	ug/L	500	44	99	75-125	3	20		RC-G
Cadmium	0.48	0.004	mg/L	0.500	ND	95	75-125	3	20		RC-G
Calcium	180	0.050	mg/L	0.500	470	NR	75-125	2	20	S3	RC-G
Copper	0.51	0.010	mg/L	0.500	ND	102	75-125	3	20		RC-G
Iron	12	0.050	mg/L	0.500	13	NR	75-125	3	20	S3	RC-G
Lead	0.46	0.010	mg/L	0.500	ND	93	75-125	4	20		RC-G
Lithium	582	10	ug/L	500	ND	115	75-125	4	20		RC-G
Magnesium	7.8	0.050	mg/L	0.500	8.8	NR	75-125	3	20	S3	RC-G
Molybdenum	480	10	ug/L	500	ND	96	75-125	2	20		RC-G
Nickel	0.46	0.010	mg/L	0.500	ND	93	75-125	2	20		RC-G
Potassium	8.3	0.10	mg/L	5.00	1.7	133	75-125	0.4	20	S1	RC-G
Selenium	0.47	0.020	mg/L	0.500	ND	94	75-125	0.6	20		RC-G
Sodium	56	0.10	mg/L	0.500	69	NR	75-125	3	20	S3	RC-G
Zinc	0.46	0.010	mg/L	0.500	ND	91	75-125	2	20		RC-G
- me	V. T U	0.010	1118/12	0.500	1117	71	10 140	2	20		10-0

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Total Metals **Quality Control Summary**

Parameter	Result	Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1368 - EPA 3005A											
Blank (B2H1368-BLK1)											

Aluminum	ND	0.050	mg/L				RC-G
Antimony	ND	0.050	mg/L				RC-G
Barium	ND	0.010	mg/L				RC-G
Boron	ND	15	ug/L				RC-G
Cadmium	ND	0.004	mg/L				RC-G
Calcium	ND	0.050	mg/L				RC-G
Copper	ND	0.010	mg/L				RC-G
Iron	ND	0.050	mg/L				RC-G
Lead	ND	0.010	mg/L				RC-G
Lithium	ND	10	ug/L				RC-G
Magnesium	ND	0.050	mg/L				RC-G
Molybdenum	ND	10	ug/L				RC-G
Nickel	ND	0.010	mg/L				RC-G
Potassium	ND	0.10	mg/L				RC-G
Selenium	ND	0.020	mg/L				RC-G
Sodium	ND	0.10	mg/L				RC-G
Zine	ND	0.010	mg/L				RC-G
LCS (B2H1368-BS1)							
LCS (B2H1368-BS1) Aluminum	0.47	0.050	mg/L	0.500	94	80-120	RC-G
	0.47 0.50	0.050 0.050	mg/L mg/L	0.500 0.500	94 99	80-120 80-120	RC-G RC-G
Aluminum							
Aluminum Antimony	0.50	0.050	mg/L	0.500	99	80-120	RC-G
Aluminum Antimony Barium	0.50 0.48	0.050 0.010	mg/L	0.500 0.500	99 96	80-120 80-120	RC-G RC-G
Aluminum Antimony Barium Boron	0.50 0.48 470	0.050 0.010 15	mg/L mg/L ug/L	0.500 0.500 500	99 96 95	80-120 80-120 80-120	RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium	0.50 0.48 470 0.47	0.050 0.010 15 0.004	mg/L mg/L ug/L mg/L	0.500 0.500 500 0.500	99 96 95 94	80-120 80-120 80-120 80-120	RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium	0.50 0.48 470 0.47 0.49	0.050 0.010 15 0.004 0.050	mg/L mg/L ug/L mg/L mg/L	0.500 0.500 500 0.500 0.500	99 96 95 94 99	80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium Copper	0.50 0.48 470 0.47 0.49 0.48	0.050 0.010 15 0.004 0.050 0.010	mg/L mg/L ug/L mg/L mg/L mg/L	0.500 0.500 500 0.500 0.500 0.500	99 96 95 94 99	80-120 80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium Copper	0.50 0.48 470 0.47 0.49 0.48 0.47	0.050 0.010 15 0.004 0.050 0.010 0.050	mg/L mg/L ug/L mg/L mg/L mg/L mg/L	0.500 0.500 500 0.500 0.500 0.500	99 96 95 94 99 95	80-120 80-120 80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium Copper Iron Lead	0.50 0.48 470 0.47 0.49 0.48 0.47	0.050 0.010 15 0.004 0.050 0.010 0.050 0.010	mg/L mg/L ug/L mg/L mg/L mg/L mg/L mg/L mg/L	0.500 0.500 500 0.500 0.500 0.500 0.500 0.500	99 96 95 94 99 95 94 95	80-120 80-120 80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium Copper Iron Lead Lithium	0.50 0.48 470 0.47 0.49 0.48 0.47 0.48 486	0.050 0.010 15 0.004 0.050 0.010 0.050 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.500 0.500 500 0.500 0.500 0.500 0.500 0.500 500	99 96 95 94 99 95 94 95	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium Copper Iron Lead Lithium Magnesium	0.50 0.48 470 0.47 0.49 0.48 0.47 0.48 486 0.47	0.050 0.010 15 0.004 0.050 0.010 0.050 0.010 10 0.050	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.500 0.500 500 0.500 0.500 0.500 0.500 0.500 500	99 96 95 94 99 95 94 95 97	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium Copper Iron Lead Lithium Magnesium Molybdenum	0.50 0.48 470 0.47 0.49 0.48 0.47 0.48 486 0.47 460	0.050 0.010 15 0.004 0.050 0.010 0.050 0.010 10	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.500 0.500 500 0.500 0.500 0.500 0.500 0.500 500	99 96 95 94 99 95 94 95 97 94	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium Copper Iron Lead Lithium Magnesium Molybdenum Nickel	0.50 0.48 470 0.47 0.49 0.48 0.47 0.48 486 0.47 460 0.47	0.050 0.010 15 0.004 0.050 0.010 0.050 0.010 10 0.050 10 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.500 0.500 500 0.500 0.500 0.500 0.500 0.500 500	99 96 95 94 99 95 94 95 97 94 93	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G
Aluminum Antimony Barium Boron Cadmium Calcium Copper Iron Lead Lithium Magnesium Molybdenum Nickel Potassium	0.50 0.48 470 0.47 0.49 0.48 0.47 0.48 486 0.47 460 0.47 5.1	0.050 0.010 15 0.004 0.050 0.010 0.050 0.010 10 0.050 10 0.010 0.010 0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.500 0.500 500 0.500 0.500 0.500 0.500 500	99 96 95 94 99 95 94 95 97 94 93 94	80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120 80-120	RC-G RC-G RC-G RC-G RC-G RC-G RC-G RC-G

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Total Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1368 - EPA 3005A											
Matrix Spike (B2H1368-MS1)	Source: 22H	10490-21									
Aluminum	0.53	0.050	mg/L	0.500	ND	101	75-125				RC-G
Antimony	0.54	0.050	mg/L	0.500	ND	109	75-125				RC-G
Barium	0.67	0.010	mg/L	0.500	0.17	101	75-125				RC-G
Boron	540	15	ug/L	500	26	103	75-125				RC-G
Cadmium	0.50	0.004	mg/L	0.500	ND	100	75-125				RC-G
Calcium	55	0.050	mg/L	0.500	89	NR	75-125			S3	RC-G
Copper	0.52	0.010	mg/L	0.500	ND	103	75-125				RC-G
ron	3.3	0.050	mg/L	0.500	2.8	92	75-125				RC-G
Lead	0.50	0.010	mg/L	0.500	ND	101	75-125				RC-G
Lithium	511	10	ug/L	500	ND	102	75-125				RC-G
Magnesium	2.9	0.050	mg/L	0.500	2.5	87	75-125				RC-G
Molybdenum	500	10	ug/L	500	ND	101	75-125				RC-G
Nickel	0.50	0.010	mg/L	0.500	ND	100	75-125				RC-G
Potassium	6.7	0.10	mg/L	5.00	0.98	114	75-125				RC-G
Selenium	0.48	0.020	mg/L	0.500	ND	97	75-125				RC-G
Sodium	13	0.10	mg/L	0.500	15	NR	75-125			S3	RC-G
Zinc	0.50	0.010	mg/L	0.500	ND	100	75-125				RC-G
Matrix Spike (B2H1368-MS2)	Source: 22H	I0490-22									
Aluminum	0.52	0.050	mg/L	0.500	ND	101	75-125				RC-G
Antimony	0.53	0.050	mg/L	0.500	ND	106	75-125				RC-G
Barium	0.66	0.010	mg/L	0.500	0.16	100	75-125				RC-G
Boron	530	15	ug/L	500	25	101	75-125				RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	98	75-125				RC-G
Calcium	55	0.050	mg/L	0.500	85	NR	75-125			S3	RC-G
Copper	0.51	0.010	mg/L	0.500	ND	102	75-125				RC-G
ron	3.1	0.050	mg/L	0.500	2.6	101	75-125				RC-G
ead	0.49	0.010	mg/L	0.500	ND	98	75-125				RC-G
ithium	520	10	ug/L	500	ND	104	75-125				RC-G
Magnesium	2.9	0.050	mg/L	0.500	2.4	96	75-125				RC-G
Molybdenum	500	10	ug/L	500	ND	99	75-125				RC-G
vickel	0.49	0.010	mg/L	0.500	ND	98	75-125				RC-G
Potassium	6.6	0.10	mg/L	5.00	0.95	112	75-125				RC-G
Selenium	0.48	0.020	mg/L	0.500	ND	96	75-125				RC-G
Selenium Sodium	0.48 13	0.020 0.10	mg/L mg/L	0.500 0.500	ND 14	96 NR	75-125 75-125			S3	RC-G RC-G

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Total Metals Quality Control Summary

	Reporting		Spike	Source		%REC		RPD			
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab
Batch B2H1368 - EPA 3005A											
Matrix Spike Dup (B2H1368-MSD1)	Source: 22I	H0490-21									
Aluminum	0.52	0.050	mg/L	0.500	ND	101	75-125	0.5	20		RC-G
Antimony	0.53	0.050	mg/L	0.500	ND	106	75-125	3	20		RC-G
Barium	0.67	0.010	mg/L	0.500	0.17	100	75-125	0.4	20		RC-G
Boron	530	15	ug/L	500	26	102	75-125	1	20		RC-G
Cadmium	0.49	0.004	mg/L	0.500	ND	99	75-125	1	20		RC-G
Calcium	55	0.050	mg/L	0.500	89	NR	75-125	1	20	S3	RC-G
Copper	0.51	0.010	mg/L	0.500	ND	102	75-125	1	20		RC-G
Iron	3.3	0.050	mg/L	0.500	2.8	95	75-125	0.5	20		RC-G
Lead	0.49	0.010	mg/L	0.500	ND	99	75-125	2	20		RC-G
Lithium	526	10	ug/L	500	ND	105	75-125	3	20		RC-G
Magnesium	3.0	0.050	mg/L	0.500	2.5	91	75-125	0.7	20		RC-G
Molybdenum	500	10	ug/L	500	ND	100	75-125	0.5	20		RC-G
Nickel	0.49	0.010	mg/L	0.500	ND	98	75-125	2	20		RC-G
Potassium	6.6	0.10	mg/L	5.00	0.98	113	75-125	0.4	20		RC-G
Selenium	0.48	0.020	mg/L	0.500	ND	97	75-125	0.1	20		RC-G
Sodium	13	0.10	mg/L	0.500	15	NR	75-125	0.5	20	S3	RC-G
Zinc	0.50	0.010	mg/L	0.500	ND	99	75-125	1	20		RC-G
Matrix Spike Dup (B2H1368-MSD2)	Source: 22I	10490-22									
Aluminum	0.50	0.050	mg/L	0.500	ND	96	75-125	5	20		RC-G
Antimony	0.51	0.050	mg/L	0.500	ND	101	75-125	5	20		RC-G
Barium	0.63	0.010	mg/L	0.500	0.16	95	75-125	4	20		RC-G
Boron	510	15	ug/L	500	25	98	75-125	4	20		RC-G
Cadmium	0.47	0.004	mg/L	0.500	ND	94	75-125	4	20		RC-G
Calcium	54	0.050	mg/L	0.500	85	NR	75-125	2	20	S3	RC-G
Copper	0.49	0.010	mg/L	0.500	ND	98	75-125	4	20		RC-G
Iron	3.0	0.050	mg/L	0.500	2.6	84	75-125	3	20		RC-G
Lead	0.47	0.010	mg/L	0.500	ND	95	75-125	4	20		RC-G
Lithium	502	10	ug/L	500	ND	100	75-125	4	20		RC-G
Magnesium	2.8	0.050	mg/L	0.500	2.4	81	75-125	3	20		RC-G
Molybdenum	480	10	ug/L	500	ND	96	75-125	3	20		RC-G
Nickel	0.47	0.010	mg/L	0.500	ND	93	75-125	5	20		RC-G
Potassium	6.3	0.10	mg/L	5.00	0.95	108	75-125	4	20		RC-G
Selenium	0.46	0.020	mg/L	0.500	ND	92	75-125	4	20		RC-G
Sodium	13	0.10	mg/L	0.500	14	NR	75-125	2	20	S3	RC-G
Zinc	0.47	0.010	mg/L	0.500	ND	95	75-125	5	20		RC-G

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Total Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1391 - EPA 3005A				Devel	resure	, with c	Zimies	10.0	2mm	111165	1.40
Dattii D2111391 - ETA 3003A	MIOU										
Blank (B2H1391-BLK1)											
Arsenic	ND	0.005	mg/L								RC-G
Beryllium	ND	0.0005	mg/L								RC-G
Chromium	ND	0.005	mg/L								RC-G
Cobalt	ND	0.001	mg/L								RC-G
Гhallium	ND	0.001	mg/L								RC-G
LCS (B2H1391-BS1)											
Arsenic	0.209	0.005	mg/L	0.200		105	80-120				RC-G
Beryllium	0.194	0.0005	mg/L	0.200		97	80-120				RC-G
Chromium	0.207	0.005	mg/L	0.200		103	80-120				RC-G
Cobalt	0.207	0.001	mg/L	0.200		104	80-120				RC-G
Thallium	0.197	0.001	mg/L	0.200		98	80-120				RC-G
Matrix Spike (B2H1391-MS1)	Source: 22I	H0490-05									
Arsenic	0.218	0.005	mg/L	0.200	ND	108	75-125				RC-G
Beryllium	0.167	0.0005	mg/L	0.200	ND	83	75-125				RC-G
Chromium	0.183	0.005	mg/L	0.200	ND	92	75-125				RC-G
Cobalt	0.180	0.001	mg/L	0.200	0.002	89	75-125				RC-G
Гhallium	0.168	0.001	mg/L	0.200	ND	84	75-125				RC-G
Matrix Spike (B2H1391-MS2)	Source: 22I	H0490-08									
Arsenic	0.233	0.005	mg/L	0.200	ND	116	75-125				RC-G
Beryllium	0.177	0.0005	mg/L	0.200	ND	88	75-125				RC-G
Chromium	0.196	0.005	mg/L	0.200	ND	98	75-125				RC-G
Cobalt	0.200	0.001	mg/L	0.200	0.008	96	75-125				RC-G
Гhallium	0.186	0.001	mg/L	0.200	ND	93	75-125				RC-G
Matrix Spike Dup (B2H1391-MSD1)	Source: 22I	H0490-05									
Arsenic	0.223	0.005	mg/L	0.200	ND	111	75-125	3	20		RC-G
Beryllium	0.169	0.0005	mg/L	0.200	ND	85	75-125	2	20		RC-G
Chromium	0.185	0.005	mg/L	0.200	ND	92	75-125	0.9	20		RC-G
Cobalt	0.182	0.001	mg/L	0.200	0.002	90	75-125	0.7	20		RC-G
Гhallium	0.171	0.001	mg/L	0.200	ND	85	75-125	2	20		RC-G



Total Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1391 - EPA 3005A	Moa										
Matrix Spike Dup (B2H1391-MSD2)	Source: 22]	H0490-08									
Arsenic	0.229	0.005	mg/L	0.200	ND	114	75-125	2	20		RC-G
Beryllium	0.174	0.0005	mg/L	0.200	ND	87	75-125	1	20		RC-G
Chromium	0.191	0.005	mg/L	0.200	ND	95	75-125	3	20		RC-G
Cobalt	0.195	0.001	mg/L	0.200	0.008	93	75-125	2	20		RC-G
Thallium	0.183	0.001	mg/L	0.200	ND	91	75-125	2	20		RC-G
Batch B2H1392 - EPA 3005A	Mod										
Blank (B2H1392-BLK1)											
Arsenic	ND	0.005	mg/L								RC-G
Beryllium	ND	0.0005	mg/L								RC-G
Chromium	ND	0.005	mg/L								RC-G
Cobalt	ND	0.001	mg/L								RC-G
Гhallium	ND	0.001	mg/L								RC-G
LCS (B2H1392-BS1)											
Arsenic	0.204	0.005	mg/L	0.200		102	80-120				RC-G
Beryllium	0.199	0.0005	mg/L	0.200		99	80-120				RC-G
Chromium	0.203	0.005	mg/L	0.200		101	80-120				RC-G
Cobalt	0.204	0.001	mg/L	0.200		102	80-120				RC-G
Thallium	0.194	0.001	mg/L	0.200		97	80-120				RC-G
Matrix Spike (B2H1392-MS1)	Source: 22]	H0490-24									
Arsenic	0.207	0.005	mg/L	0.200	ND	103	75-125				RC-G
Thallium	0.191	0.001	mg/L	0.200	ND	96	75-125				RC-G
Matrix Spike (B2H1392-MS2)	Source: 221	H0490-25									
Arsenic	0.210	0.005	mg/L	0.200	ND	103	75-125				RC-G
Beryllium	0.175	0.0005	mg/L	0.200	ND	88	75-125				RC-G
Chromium	0.187	0.005	mg/L	0.200	ND	94	75-125				RC-G
Cobalt	0.184	0.001	mg/L	0.200	ND	92	75-125				RC-G
Thallium	0.192	0.001	mg/L	0.200	ND	96	75-125				RC-G



Total Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1392 - EPA 3005A	Mod										
Matrix Spike Dup (B2H1392-MSD1)	Source: 22I	H0490- 2 4									
Arsenic	0.214	0.005	mg/L	0.200	ND	107	75-125	3	20		RC-G
Thallium	0.197	0.001	mg/L	0.200	ND	99	75-125	3	20		RC-G
Matrix Spike Dup (B2H1392-MSD2)	Source: 22I	10490-25									
Arsenic	0.211	0.005	mg/L	0.200	ND	104	75-125	0.4	20		RC-G
Beryllium	0.178	0.0005	mg/L	0.200	ND	89	75-125	2	20		RC-G
Chromium	0.188	0.005	mg/L	0.200	ND	94	75-125	0.5	20		RC-G
Cobalt	0.186	0.001	mg/L	0.200	ND	93	75-125	0.6	20		RC-G
Thallium	0.190	0.001	mg/L	0.200	ND	95	75-125	1	20		RC-G
Batch B2H1404 - EPA 3005A	Mod										
Blank (B2H1404-BLK1)											
Arsenic	ND	0.005	mg/L								RC-G
Beryllium	ND	0.0005	mg/L								RC-G
Chromium	ND	0.005	mg/L								RC-G
Cobalt	ND	0.001	mg/L								RC-G
Thallium	ND	0.001	mg/L								RC-G
LCS (B2H1404-BS1)											
Arsenic	0.207	0.005	mg/L	0.200		104	80-120				RC-G
Beryllium	0.205	0.0005	mg/L	0.200		103	80-120				RC-G
Chromium	0.209	0.005	mg/L	0.200		104	80-120				RC-G
Cobalt	0.209	0.001	mg/L	0.200		104	80-120				RC-G
Thallium	0.206	0.001	mg/L	0.200		103	80-120				RC-G
Matrix Spike (B2H1404-MS1)	Source: 22I	H0291-02RI	E 1								
Arsenic	0.216	0.005	mg/L	0.200	ND	108	75-125				RC-G
Beryllium	0.177	0.0005	mg/L	0.200	0.0005	88	75-125				RC-G
Chromium	0.185	0.005	mg/L	0.200	0.005	90	75-125				RC-G
Cobalt	0.182	0.001	mg/L	0.200	0.005	88	75-125				RC-G
Thallium	0.182	0.001	mg/L	0.200	ND	91	75-125				RC-G



Parameter

 Santee Cooper
 Project:
 Ground Water

 1 Riverwood Dr.
 Work Order:
 22H0490

 Moncks Corner, SC 29461
 Reported:
 08/31/22
 17:43

Units

Reporting

Limit

Result

Total Metals **Quality Control Summary**

Spike

Level

Source

Result

%REC

%REC

Limits

RPD

RPD

Limit

Flags

Lab

		10461-02								
Arsenic	0.201	0.005	mg/L	0.200	ND	100	75-125			RC-G
Beryllium	0.201	0.0005	mg/L	0.200	ND	100	75-125			RC-G
Chromium	0.207	0.005	mg/L	0.200	ND	102	75-125			RC-G
Cobalt	0.205	0.001	mg/L	0.200	ND	103	75-125			RC-G
Thallium	0.204	0.001	mg/L	0.200	ND	102	75-125			RC-G
Matrix Spike Dup (B2H1404-MSD1)	Source: 22I	H0291-02R	E1							
Arsenic	0.217	0.005	mg/L	0.200	ND	108	75-125	0.4	20	RC-G
Beryllium	0.177	0.0005	mg/L	0.200	0.0005	88	75-125	0.1	20	RC-G
Chromium	0.182	0.005	mg/L	0.200	0.005	89	75-125	2	20	RC-G
Cobalt	0.180	0.001	mg/L	0.200	0.005	88	75-125	0.9	20	RC-G
Thallium	0.181	0.001	mg/L	0.200	ND	90	75-125	0.5	20	RC-G
Matrix Spike Dup (B2H1404-MSD2)	Source: 22I	H0461-02								
Arsenic	0.214	0.005	mg/L	0.200	ND	106	75-125	6	20	RC-G
Beryllium	0.210	0.0005	mg/L	0.200	ND	105	75-125	4	20	RC-G
Chromium	0.216	0.005	mg/L	0.200	ND	107	75-125	4	20	RC-G
Cobalt	0.215	0.001	mg/L	0.200	ND	108	75-125	5	20	RC-G
Thallium	0.216	0.001	mg/L	0.200	ND	108	75-125	5	20	RC-G
Batch B2H1406 - EPA 3005A										
Blank (B2H1406-BLK1)										
Aluminum	ND	0.050	mg/L							RC-G
Antimony	ND	0.050	mg/L							RC-G
Barium	ND	0.010	mg/L							RC-G
Boron	ND	15	ug/L							RC-G
Cadmium	ND	0.004	mg/L							RC-G
Calcium	ND	0.050	mg/L							RC-G
Copper	ND	0.005	mg/L							RC-G
Iron	ND	0.050	mg/L							RC-G
Lead	ND	0.010	mg/L							RC-G
Lithium	ND	10	ug/L							RC-G
Magnesium	ND	0.050	mg/L							RC-G
wiagnesium										



Total Metals **Quality Control Summary**

	Reporting			Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab
Batch B2H1406 - EPA 3005	A										
Blank (B2H1406-BLK1)											
Potassium	ND	0.10	mg/L								RC-G
Selenium	ND	0.020	mg/L								RC-G
Sodium	ND	0.10	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G
LCS (B2H1406-BS1)											
Aluminum	0.49	0.050	mg/L	0.500		98	80-120				RC-G
Antimony	0.51	0.050	mg/L	0.500		102	80-120				RC-G
Barium	0.49	0.010	mg/L	0.500		98	80-120				RC-G
Boron	490	15	ug/L	500		98	80-120				RC-G
Cadmium	0.48	0.004	mg/L	0.500		97	80-120				RC-G
Calcium	0.50	0.050	mg/L	0.500		99	80-120				RC-G
Copper	0.50	0.005	mg/L	0.500		100	80-120				RC-G
Iron	0.48	0.050	mg/L	0.500		97	80-120				RC-G
Lead	0.49	0.010	mg/L	0.500		98	80-120				RC-G
Lithium	476	10	ug/L	500		95	80-120				RC-G
Magnesium	0.49	0.050	mg/L	0.500		97	80-120				RC-G
Molybdenum	490	10	ug/L	500		98	80-120				RC-G
Nickel	0.49	0.010	mg/L	0.500		98	80-120				RC-G
Potassium	5.6	0.10	mg/L	5.00		113	80-120				RC-G
Selenium	0.48	0.020	mg/L	0.500		96	80-120				RC-G
Sodium	0.48	0.10	mg/L	0.500		97	80-120				RC-G
Zinc	0.49	0.010	mg/L	0.500		98	80-120				RC-G
Matrix Spike (B2H1406-MS1)	Source: 22I	H0490-41									
Aluminum	15	0.050	mg/L	0.500	21	NR	75-125			S5	RC-G
Antimony	0.26	0.050	mg/L	0.500	ND	51	75-125			S1	RC-G
Barium	0.27	0.010	mg/L	0.500	0.016	50	75-125			S1	RC-G
Boron	4800	15	ug/L	500	4500	65	75-125			S1	RC-G
Cadmium	0.25	0.004	mg/L	0.500	ND	51	75-125			S1	RC-G
Calcium	100	0.050	mg/L	0.500	500	NR	75-125			S5	RC-G
Copper	0.28	0.005	mg/L	0.500	0.005	55	75-125			S1	RC-G
Iron	59	0.050	mg/L	0.500	120	NR	75-125			S5	RC-G
Lead	0.24	0.010	mg/L	0.500	ND	49	75-125			S1	RC-G
Lithium	355	10	ug/L	500	37	64	75-125			S1	RC-G
Magnesium	20	0.050	mg/L	0.500	59	NR	75-125			S5	RC-G



Total Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1406 - EPA 3005A											
Matrix Spike (B2H1406-MS1)	Source: 22I	I0490-41									
Molybdenum	250	10	ug/L	500	ND	51	75-125			S1	RC-G
Nickel	0.26	0.010	mg/L	0.500	0.024	48	75-125			S1	RC-G
Potassium	19	0.20	mg/L	5.00	6.9	248	75-125			S4	RC-G
Selenium	0.24	0.020	mg/L	0.500	ND	47	75-125			S1	RC-G
Sodium	ND	0.10	mg/L	0.500	130	NR	75-125			S5	RC-G
Zinc	0.31	0.010	mg/L	0.500	0.072	47	75-125			S1	RC-G
Matrix Spike Dup (B2H1406-MSD1)	Source: 22I	H0490-41									
Aluminum	14	0.050	mg/L	0.500	21	NR	75-125	2	20	S5	RC-G
Antimony	0.26	0.050	mg/L	0.500	ND	53	75-125	3	20	S1	RC-G
3arium	0.27	0.010	mg/L	0.500	0.016	51	75-125	2	20	S1	RC-G
Boron	4700	15	ug/L	500	4500	51	75-125	1	20	S1	RC-G
Cadmium	0.26	0.004	mg/L	0.500	ND	52	75-125	2	20	S1	RC-G
Calcium	100	0.050	mg/L	0.500	500	NR	75-125	0.9	20	S5	RC-G
Copper	0.28	0.005	mg/L	0.500	0.005	56	75-125	1	20	S1	RC-G
ron	58	0.050	mg/L	0.500	120	NR	75-125	1	20	S5	RC-G
Lead	0.25	0.010	mg/L	0.500	ND	50	75-125	3	20	S1	RC-G
Lithium	370	10	ug/L	500	37	67	75-125	4	20	S1	RC-G
Magnesium	20	0.050	mg/L	0.500	59	NR	75-125	0.5	20	S5	RC-G
Molybdenum	260	10	ug/L	500	ND	52	75-125	3	20	S1	RC-G
Nickel	0.27	0.010	mg/L	0.500	0.024	49	75-125	2	20	S1	RC-G
otassium	19	0.20	mg/L	5.00	6.9	243	75-125	1	20	S4	RC-G
Selenium	0.25	0.020	mg/L	0.500	ND	49	75-125	4	20	S1	RC-G
Sodium	ND	0.10	mg/L	0.500	130	NR	75-125		20	S5	RC-G
Cinc	0.31	0.010	mg/L	0.500	0.072	48	75-125	2	20	S1	RC-G
Batch B2H1456 - EPA 3005A	Mod										
Blank (B2H1456-BLK1)											
Arsenic	ND	0.005	mg/L								RC-G
Thallium	ND	0.002	mg/L								RC-G
LCS (B2H1456-BS1)											
Arsenic	0.212	0.005	mg/L	0.200		106	80-120				RC-G
Thallium Thallium	0.210	0.002	mg/L	0.200		105	80-120				RC-G

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Total Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1456 - EPA 3005A	Mod										
Matrix Spike (B2H1456-MS2)	Source: 221	H0490-40									
Arsenic	0.211	0.005	mg/L	0.200	0.005	103	75-125				RC-G
Гhallium	0.204	0.002	mg/L	0.200	ND	102	75-125				RC-G
Matrix Spike Dup (B2H1456-MSD2)	Source: 22I	H0490-40									
Arsenic	0.210	0.005	mg/L	0.200	0.005	103	75-125	0.5	20		RC-G
Thallium	0.202	0.002	mg/L	0.200	ND	101	75-125	1	20		RC-G
Batch B2H1706 - EPA 3005A											
Blank (B2H1706-BLK1)											
Antimony	ND	0.050	mg/L								RC-G
Barium	ND	0.010	mg/L								RC-G
Cadmium	ND	0.004	mg/L								RC-G
Copper	ND	0.005	mg/L								RC-C
Lead	ND	0.010	mg/L								RC-C
Lithium	ND	10	ug/L								RC-G
Molybdenum	ND	10	ug/L								RC-G
Nickel	ND	0.010	mg/L								RC-G
Potassium	ND	0.10	mg/L								RC-G
Selenium	ND	0.020	mg/L								RC-G
Zinc	ND	0.010	mg/L								RC-G
LCS (B2H1706-BS1)											
Antimony	0.54	0.050	mg/L	0.500		107	80-120				RC-G
Barium	0.52	0.010	mg/L	0.500		103	80-120				RC-G
Cadmium	0.51	0.004	mg/L	0.500		101	80-120				RC-G
Copper	0.50	0.005	mg/L	0.500		100	80-120				RC-G
Lead	0.51	0.010	mg/L	0.500		103	80-120				RC-G
Lithium	502	10	ug/L	500		100	80-120				RC-G
Molybdenum	510	10	ug/L	500		101	80-120				RC-G
Nickel	0.51	0.010	mg/L	0.500		101	80-120				RC-G
Potassium	5.6	0.10	mg/L	5.00		111	80-120				RC-G
Selenium	0.49	0.020	mg/L	0.500		98	80-120				RC-G
Zinc	0.52	0.010	mg/L	0.500		104	80-120				RC-G



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

Total Metals **Quality Control Summary**

D		Reporting Limit	TT	Spike	Source	A/DEC	%REC	DDD	RPD		
Parameter	Result	Timit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab
Batch B2H1706 - EPA 3005A											
Matrix Spike (B2H1706-MS2)	Source: 22H	[0490-02R]	E1								
Potassium	9.0	0.10	mg/L	5.00	1.9	140	75-125			S1	RC-G
Matrix Spike (B2H1706-MS5)	Source: 22H	[0490-41R]	E1								
Antimony	0.28	0.050	mg/L	0.500	ND	57	75-125			S1	RC-G
Barium	0.29	0.010	mg/L	0.500	0.017	55	75-125			S1	RC-G
Cadmium	0.27	0.004	mg/L	0.500	ND	55	75-125			S1	RC-G
Copper	0.30	0.005	mg/L	0.500	0.010	59	75-125			S1	RC-G
Lead	0.27	0.010	mg/L	0.500	ND	53	75-125			S1	RC-G
Lithium	393	10	ug/L	500	38	71	75-125			S1	RC-G
Molybdenum	270	10	ug/L	500	ND	55	75-125			S1	RC-G
Nickel	0.29	0.010	mg/L	0.500	0.025	52	75-125			S1	RC-G
Selenium	0.25	0.020	mg/L	0.500	ND	51	75-125			S1	RC-G
Zinc	0.34	0.010	mg/L	0.500	0.074	52	75-125			S1	RC-G
Matrix Spike Dup (B2H1706-MSD2)	Source: 22H	[0490-02R]	E1								
Potassium	8.7	0.10	mg/L	5.00	1.9	135	75-125	3	20	S1	RC-G
Matrix Spike Dup (B2H1706-MSD5)	Source: 22H	[0490-41R]	E1								
Antimony	0.29	0.050	mg/L	0.500	ND	58	75-125	2	20	S1	RC-G
Barium	0.29	0.010	mg/L	0.500	0.017	56	75-125	0.3	20	S1	RC-G
Cadmium	0.28	0.004	mg/L	0.500	ND	55	75-125	0.2	20	S1	RC-G
Copper	0.30	0.005	mg/L	0.500	0.010	58	75-125	0.4	20	S1	RC-G
Lead	0.27	0.010	mg/L	0.500	ND	53	75-125	0.4	20	S1	RC-G
Lithium	394	10	ug/L	500	38	71	75-125	0.2	20	S1	RC-G
Molybdenum	280	10	ug/L	500	ND	55	75-125	1	20	S1	RC-G
Nickel	0.28	0.010	mg/L	0.500	0.025	52	75-125	0.2	20	S1	RC-G
Selenium	0.25	0.020	mg/L	0.500	ND	51	75-125	0.3	20	S1	RC-G
Zinc	0.34	0.010	mg/L	0.500	0.074	53	75-125	0.3	20	S1	RC-G
Batch B2H1735 - EPA 3005A	Mod										
Blank (B2H1735-BLK1)											
Beryllium	ND	0.002	mg/L								RC-G
Chromium	ND	0.005	mg/L								RC-G
			3 -								

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

Total Metals Quality Control Summary

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1735 - EPA 3005A	Mod										
LCS (B2H1735-BS1)											
Beryllium	0.201	0.002	mg/L	0.200		100	80-120				RC-G
Chromium	0.208	0.005	mg/L	0.200		104	80-120				RC-G
Cobalt	0.208	0.001	mg/L	0.200		104	80-120				RC-G
Matrix Spike (B2H1735-MS1)	Source: 22H	[0490-24									
Beryllium	0.196	0.002	mg/L	0.200	ND	98	75-125				RC-G
Chromium	0.195	0.010	mg/L	0.200	ND	97	75-125				RC-G
Cobalt	0.194	0.010	mg/L	0.200	ND	97	75-125				RC-G
Matrix Spike Dup (B2H1735-MSD1)	Source: 22H	[0490-24									
Beryllium	0.194	0.002	mg/L	0.200	ND	97	75-125	0.8	20		RC-G
Chromium	0.193	0.010	mg/L	0.200	ND	97	75-125	0.6	20		RC-G
Cobalt	0.192	0.010	mg/L	0.200	ND	96	75-125	1	20		RC-G

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

Dissolved Metals **Quality Control Summary**

		Reporting Limit		Spike	Source		%REC		RPD		
Parameter	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Flags	Lab
Batch B2H1455 - EPA 3005A	Mod										
Blank (B2H1455-BLK1)											
Arsenic, Dissolved	ND	0.005	mg/L								RC-G
LCS (B2H1455-BS1)											
Arsenic, Dissolved	0.200	0.005	mg/L	0.200		100	80-120				RC-G
Matrix Spike (B2H1455-MS1)	Source: 22I	H0490-01									
Arsenic, Dissolved	0.217	0.005	mg/L	0.200	ND	109	75-125				RC-G
Matrix Spike (B2H1455-MS2)	Source: 22I	H0490-02									
Arsenic, Dissolved	0.228	0.005	mg/L	0.200	ND	113	75-125				RC-G
Matrix Spike Dup (B2H1455-MSD1)	Source: 22I	H0490-01									
Arsenic, Dissolved	0.218	0.005	mg/L	0.200	ND	109	75-125	0.4	20		RC-G
Matrix Spike Dup (B2H1455-MSD2)	Source: 22I	10490-02									
Arsenic, Dissolved	0.227	0.005	mg/L	0.200	ND	113	75-125	0.4	20		RC-G
Batch B2H1456 - EPA 3005A	Mod										
Blank (B2H1456-BLK1)											
Arsenic, Dissolved	ND	0.005	mg/L								RC-G
LCS (B2H1456-BS1)											
Arsenic, Dissolved	0.212	0.005	mg/L	0.200		106	80-120				RC-G
Matrix Spike (B2H1456-MS1)	Source: 22I	10490-39									
Arsenic, Dissolved	0.204	0.005	mg/L	0.200	ND	101	75-125				RC-G
Matrix Spike (B2H1456-MS2)	Source: 22I	H0490-40									
Arsenic, Dissolved	0.211	0.005	mg/L	0.200	0.005	103	75-125				RC-G
Matrix Spike Dup (B2H1456-MSD1)	Source: 22I	H0490-39									
Arsenic, Dissolved	0.210	0.005	mg/L	0.200	ND	105	75-125	3	20		RC-G

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Matrix Spike Dup (B2H1456-MSD2)

Arsenic, Dissolved

Santee CooperProject:Ground Water1 Riverwood Dr.Work Order:22H0490Moncks Corner, SC 29461Reported:08/31/22 17:43

Source: 22H0490-40

0.005

mg/L

Dissolved Metals **Quality Control Summary**

Parameter	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flags	Lab
Batch B2H1456 - EPA 3005A Mo	d										

0.200

0.005

75-125

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RC-G



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

Sample Preparation Data

Parameter	Batch	Sample ID	Prepared	Analyst	
EPA 3005A ICP Digestion					
EPA 3005A	B2H1367	22H0490-01	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-02	08/09/2022 08:56	CAL	
EPA 3005A	B2H1706	22H0490-02RE1	08/15/2022 13:49	EDM	
EPA 3005A	B2H1367	22H0490-03	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-04	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-05	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-06	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-07	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-08	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-09	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-10	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-11	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-12	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-13	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-14	08/09/2022 08:56	CAL	
EPA 3005A	B2H1367	22H0490-15	08/09/2022 08:56	CAL	
EPA 3005A	B2H1367	22H0490-16	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-17	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-18	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-19	08/09/2022 08:56	KTH	
EPA 3005A	B2H1367	22H0490-20	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-21	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-22	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-23	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-24	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-25	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-26	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-27	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-28	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-29	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-30	08/09/2022 08:56	CAL	
EPA 3005A	B2H1368	22H0490-31	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-32	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-33	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-34	08/09/2022 08:56	CAL	
EPA 3005A	B2H1368	22H0490-35	08/09/2022 08:56	KTH	
EPA 3005A	B2H1368	22H0490-36	08/09/2022 08:56	KTH	

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Santee Cooper 1 Riverwood Dr. Moncks Corner, SC 29461			Project: Work Order: Reported:	Ground Water 22H0490 08/31/22 17:43
EPA 3005A	B2H1368	22H0490-37	08/09/2022 08	3:56 KTH
EPA 3005A	B2H1368	22H0490-38	08/09/2022 08	3:56 KTH
EPA 3005A	B2H1368	22H0490-39	08/09/2022 08	8:56 KTH
EPA 3005A	B2H1368	22H0490-40	08/09/2022 08	8:56 KTH
EPA 3005A	B2H1406	22H0490-41	08/09/2022 15	:21 KTH
EPA 3005A	B2H1706	22H0490-41RE1	08/15/2022 13	:49 EDM
EPA 3005A	B2H1406	22H0490-42	08/09/2022 15	:21 KTH
EPA 3005A	B2H1406	22H0490-43	08/09/2022 15	:21 KTH
EPA 3005A	B2H1406	22H0490-44	08/09/2022 15	:21 KTH
EPA 3005A	B2H1406	22H0490-45	08/09/2022 15	:21 CAL
EPA 3005A	B2H1406	22H0490-46	08/09/2022 15	:21 KTH
EPA 3005A	B2H1406	22H0490-47	08/09/2022 15	:21 KTH
EPA 3005A	B2H1406	22H0490-48	08/09/2022 15	:21 KTH



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

ACTION OF THE ACTION CONTRACTOR C			F		
EPA 3005A ICPMS Digestion					
EPA 3005A Mod	B2H1391	22H0490-01	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-01	08/10/2022 0	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-02	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-02	08/10/2022 0	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-03	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-03	08/10/2022 0	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-04	08/09/2022 1	.3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-04	08/10/2022	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-05	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-05	08/10/2022	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-06	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-06	08/10/2022 0	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-07	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-07	08/10/2022 (08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-08	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-08	08/10/2022 0	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-09	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-09	08/10/2022 (08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-10	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-10	08/10/2022 0	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-11	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-11	08/10/2022 0	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-12	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-12	08/10/2022 0	08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-13	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-13	08/10/2022 (08:49 CAL	
EPA 3005A Mod	B2H1391	22H0490-14	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1391	22H0490-15	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1391	22H0490-16	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1391	22H0490-17	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1391	22H0490-18	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1391	22H0490-19	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1391	22H0490-20	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1392	22H0490-21	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1392	22H0490-22	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1392	22Н0490-23	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1392	22H0490-24	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-24	08/10/2022	08:49 CAL	
EPA 3005A Mod	B2H1735	22H0490-24	08/16/2022 1	4:46 EDM	
EPA 3005A Mod	B2H1392	22H0490-25	08/09/2022 1	3:12 CAL	
EPA 3005A Mod	B2H1455	22H0490-25	08/10/2022	08:49 CAL	

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Santee Cooper			Project:	Ground Water
1 Riverwood Dr.			Work Order:	22H0490
Moneks Corner, SC 29461			Reported:	08/31/22 17:43
EPA 3005A Mod	B2H1735	22H0490-25RE1	08/16/2022 14:	::46 EDM
EPA 3005A Mod	B2H1392	22H0490-26	08/09/2022 13:	:12 CAL
EPA 3005A Mod	B2H1392	22H0490-27	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1392	22H0490-28	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1392	22H0490-29	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1392	22H0490-30	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1392	22H0490-31	08/09/2022 13:	:12 CAL
EPA 3005A Mod	B2H1392	22H0490-32	08/09/2022 13:	:12 CAL
EPA 3005A Mod	B2H1392	22H0490-33	08/09/2022 13:	:12 CAL
EPA 3005A Mod	B2H1392	22H0490-34	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1455	22H0490-34	08/10/2022 08:	::49 CAL
EPA 3005A Mod	B2H1392	22H0490-35	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1455	22H0490-35	08/10/2022 08:	::49 CAL
EPA 3005A Mod	B2H1392	22H0490-36	08/09/2022 13:	:12 CAL
EPA 3005A Mod	B2H1455	22H0490-36	08/10/2022 08:	::49 CAL
EPA 3005A Mod	B2H1392	22H0490-37	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1455	22H0490-37	08/10/2022 08:	::49 CAL
EPA 3005A Mod	B2H1392	22H0490-38	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1455	22H0490-38	08/10/2022 08:	::49 CAL
EPA 3005A Mod	B2H1392	22H0490-39	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1456	22H0490-39	08/10/2022 08:	2:49 CAL
EPA 3005A Mod	B2H1392	22H0490-40	08/09/2022 13:	::12 CAL
EPA 3005A Mod	B2H1456	22H0490-40	08/10/2022 08:	::49 CAL
EPA 3005A Mod	B2H1404	22H0490-41	08/09/2022 15:	:21 KTH
EPA 3005A Mod	B2H1456	22H0490-41	08/10/2022 08:	::49 CAL
EPA 3005A Mod	B2H1404	22H0490-42	08/09/2022 15:	:21 KTH
EPA 3005A Mod	B2H1456	22H0490-42	08/10/2022 08:	2:49 CAL
EPA 3005A Mod	B2H1404	22H0490-43	08/09/2022 15:	:21 KTH
EPA 3005A Mod	B2H1456	22H0490-43	08/10/2022 08:	3:49 CAL
EPA 3005A Mod	B2H1404	22H0490-44	08/09/2022 15:	:21 KTH
EPA 3005A Mod	B2H1456	22H0490-44	08/10/2022 08:	3:49 CAL
EPA 3005A Mod	B2H1404	22H0490-45	08/09/2022 15:	:21 KTH
EPA 3005A Mod	B2H1456	22H0490-45	08/10/2022 08:	:49 CAL
EPA 3005A Mod	B2H1404	22H0490-46	08/09/2022 15:	:21 KTH
EPA 3005A Mod	B2H1456	22H0490-46	08/10/2022 08:	CAL
EPA 3005A Mod	B2H1404	22H0490-47	08/09/2022 15:	:21 KTH
EPA 3005A Mod	B2H1456	22H0490-47	08/10/2022 08:	3:49 CAL
EPA 3005A Mod	B2H1404	22H0490-48	08/09/2022 15:	
EPA 3005A Mod	B2H1456	22H0490-48	08/10/2022 08:	

PO Box 5655 | Greenville, SC 29606 | 426 Fairforest Way | Greenville, SC 29607 | main 864.232.1556 | fax 864.232.6140 rogersandcallcott.com an employee-owned company



Analyte NOT DETECTED at or above the reporting limit

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

Data Qualifiers and Definitions

NR	Not reported
RPD	Relative Percent Difference
S1	The matrix spike and / or the matrix spike duplicate sample recovery was not within control limits due to matrix interference. The Laboratory Control Sample (LCS) was within control limits.
S3	Estimated value - the spike result exceeded the calibration range. The spike recovery was not evaluated against the control limits.
S4	The spike was diluted out due to the sample concentration. The spike recovery was not evaluated against the control limits.
S5	The raw sample concentration was greater than four times the spike concentration. The spike recovery was not evaluated against the control limits.
X	Result subject to sample matrix interference. Reporting limit has been adjusted where applicable.

Laboratory Reference:

ND

RC-G = Rogers and Callcott, 426 Fairforest Way, Greenville, SC 29607 / SC Lab ID 23105 RC-C = Rogers and Callcott, 215B Stoneridge Drive, Columbia, SC 29210 / SC Lab ID 40572



Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 514 Fax: (843)761-4175

	LCWILLIA @santeecooper.com			Results N	eeded	by:	125				Unit #:			Rerun request for any flagge			
- 104		esunte	ecooper.com		<i></i>			125	113	<u> </u>	102.0	8.60).	1 36	Ye:			sis Group
	Labworks ID # (Internal use only)	Sample Locat Description	tion/	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	• R	Co fethod # eporting li lisc. samp ny other n	le info	TBTAL METALS	VED AS	
	AF36903	P0Z-4		6/28/23	135	DEW	2	P	G	GW	2	PLEA	SE SE	EE ATTACHED	×	×	
	905	P02-6		1	1322	1	1	1	١	1	1	SHEE	FOR '	RLS.	×	×	
	906	P02-7								H							
	907						\vdash			\vdash		-			X	X	
		POZ-7 DO	IP .	-	1446		\vdash		+						X	×	
b	HF 36894	CLFIB-1		6/21/22	0926	-			_	_					X	×	
	895	CLFIB-I DI	JP		0931										×	×	
	896	CLFIB-2			1055										×	×	
	897	CLFIB-3			1144							47.6	Yak.		×	×	
	898	CLFIB-4													×		
											H					×	
	899	CLF(B-5		1 2	1548		-		-	1					×	×	
	Relinquished by:	Employee#	Date	Time	es: 97.W	1	En	ployee i				Time	Samp TEM	ole Receiving (Interna IP (°C): 24 . 8	Use On Initial		n
,	Agranoum Relinquished by:	35594 Employee#										lito		ect pH: Yes N		- 0	
8				Tane	Receive	ed by:	EII	трюуее і		Date		Time		ervative Lot#:			
	Relinquished by:	Employee#	Date	Time	Receive	ed by:	Em	ployee #		Date		Time		z vauve Loup.			
											FOR THE PARTY OF		Date/	Time/Init for preser	vative:		
10 miles	□ ME	TALS (all)	Nut	rients	Naic	- 100°											
	Ag ZCu		STATE OF THE PARTY			<u></u>	l n		V The Man			Coa Itimate		Flyash		Oil	
•	Al ØFe	Ø Se □ Sn	□ DO	c	□ Napthaler			Gyps	um(al			□ % Mois	ture	☐ Ammonia ☐ LOI	D %	ns. Oil Moist	
4	ZB ZLi	□ Sn	The second secon	TO SECOND SECOND	□ VOC						THE RESERVE	☐ Ash ☐ Sulfur		☐ % Carbon		olor cidity	
	Ba Mg			□ Sullur □ BTUs		☐ Mineral Analysis		electric	Strengt								
٠.	Be Mr	A Charles		0	☐ Total Col	iform		□ Solu	ble Me	tals	State of the last	□ Volatile	Matter	☐ Sieve	□ Di	issolve	
6	Ca MMc		□ Br		☐ Dissolved						PER EXPLICIT	CHN er Tests:		☐ % Moisture		d Oil ashpon	
3.8	Cd Na		The second secon	AND THE RESERVE TO SERVE TO SE		Fe		O Sulfi			The state of the s	RF Scan		NPDES	0 M	etals in	lio
60	Co ZNi	□ Hg	0.30		☐ Rad 228			O Chlo			□ Fi	ineness		□ Oil & Grease	Н	ls,Cd,C g)	I,NLP
	Cr Pb	□ CrVI	BENEVICE OF THE PARTY OF THE PA		пьсв				ele Size		□ Pa	articulate M	atter	□ As □ TSS	DT	FER	



LCWILLA CONTRACTOR			Dat	e Results N	eeded b	y:		Project/Task/Unit #: Rerun request for an							gged (
LCM	VILLIA	@sante	ecooper.con	n			e	125	915	J_JN	108.6	01.1 / 3	√6 5∞0 Yes	No		
Labwo (Intern only)	orks ID # pal use	Sample Locat Description	ion/	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	Method # Reporting Misc, sam Any other	ole info	TOTAL METALS	Analysis de DISSIGNATION DE SA CENTRAL DE SA	Group
AF36	900	CLAB- 5	D	6/21/	22 1447	DEW	2	Þ	G	GW	2	PLEASE SE	EE ATTACHED	X	X	+
	902	P0Z-3		1	1546	1	1	1	1		1		•	×	x	+
	904	POZ-50		6/28/2	2 1003	T	I			1				×	X	+
				-												
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															-	+
								\dashv								-
													3842			-
		7														
Relinqu	uished by:	Employee#	Date	Time	Receive	ed by:	Em	ployee #		Date		Time Samp	ple Receiving (Internal	Use Onl	y) = 46	-
goron	un	35594	8/\$/22	1500	Office (MA)				IP (°C): 14 · 1	Initial:	W	_				
	uished by:	Employee#	Date	Time					The second second							
Relinqu	uished by:	Employee#	Date	Time	Receive	d by:	Em	ployee #		Date		Time	ervative Lot#:			
	□ ME	TALS (all)										Date	Time/Init for preserv	ative:		
Ag	Ø Cu	ØSb	Nuti	rients	MIS	<u>C.</u>		SAME OF STREET	sum			Coal	<u>Flyash</u>		<u>Oil</u>	
Al	Ø Fe	Ø Se	DO		☐ Napthalen			Vallboa Gypsi	rd um(<i>all</i>			Itimate % Moisture	☐ Ammonia ☐ LOI		s. Oil Q Moistur	
rAs	ØK.	□ Sn	□ TP/	A COLUMN TO SERVICE AND ADDRESS OF THE PARTY	□ THM/HA. □ VOC	A		below))			□ Ash	🗆 % Carbon	O Co	or	
B	& Li	□ Sr	ONH	3-IX	□ Oil & Gre	ase		O TOC				□ Sulfur □ BTUs	☐ Mineral		ectric Str	ength
Ba	Ø Mg	The second second	U CI		☐ E. Coli ☐ Total Coli	form		☐ Total			100 mm (100 mm)	Volatile Matter	Analysis ☐ Sieve	D HFT	solved (Gases
Be	O Mn	/ZTI	□ NO. □ Br	2	□ pH □ Dissolved			D Purity	y (CaSC		The Court of the C	CHN	□ % Moisture	Usec	Oil	-
Ca	Ø Mo	O V	□ NO:		☐ Dissolved			□ % Mo				er Tests:	NPDES		shpoint tals in o	il
Cd	Ø Na	Ø Zn	CI SO4		☐ Rad 226 ☐ Rad 228			□ pH □ Chlor			DHO		D Oil & Grease		,Cd,Cr,	
Co	ØNi ØPb	□ Hg			□ PCB			Partic			100000000000000000000000000000000000000	rticulate Matter	□ As	□ TX		
CI	1 aro	□ CrVI		260		医胃/体	DS	ulfur					O TSS	GOF	ER	



22 40490

Santee Coope One Riverwood Drive Moneks Corner, SC 2946) Phone: (843)761-8000 Ext. 5141 Fax: (843)761-417:

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA @santeecooper.com 125915 / JM02.09. GOI. 1 36500 Yes No **Analysis Group** Labworks ID# Sample Location/ Comments (Internal use Description Collection Date Collection Time - PEE BELOW Sample Collecto Method # only) Preservative (below) Total # of cont Bottle type: (G/Plastic-P) Grab (G) or Composite (C) Reporting limit Misc. sample info Any other notes DEW AF36886 CCMLF-ID 6/21/22 1033 ML G-W 2 PLEASE SEE SHEET × 887 CCMLF - 2 1140 X -16 877 CCMAP-1 1310 X -17 883 CCMAP-6 1408 X -18 879 6/30/22 COMAP-3 0930 X 878 CCMAP-2 1033 X 20 884 CCMAP-7 1129 X -21 880 CCMAP-4 1240 X -21 881 CCMAP- 4 DUP 1245 X 882 CCMAP-5 Sample Receiving (Internal Use Only) Initial: Relinquished by: Employee# Date Time Received by: Employee # Time www Amoun 35594 919/22 8/4/22 1500 1100 Relinquished by: Employee# Time Correct pH: Yes Received by Employee # Time Preservative Lot#: Relinquished by: Employee# Received by: Employee # Date Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. Gypsum Coal □ Ag Z Cu Ø Sb **Flyash** Oil TOC DBTEX □ Wallboard ZAI ØFe Ø Se □ Ultimate Trans. Oil Qual. ☐ Ammonia □ Napthalene DOC Gypsum(all ☐ % Moisture %Moisture ZAS D LOI ØK □ Sn ☐ THM/HAA TP/TPO4 below) □ Ash ☐ % Carbon □ VOC ØB NH3-N [] AIM PLi □ Sr Acidity Sulfur ☐ Oil & Grease ☐ Mineral II TOC F Dielectric Strength ☑ Ba ☐ BTUs Me □ Ti DE. Coli □ Total metals Analysis CI ☐ Total Coliform ☐ Volatile Matter ☐ Sieve D Soluble Metals ☑ Be □ Mn ØTI Dissolved Gases NO2 □ pH CHN D Purity (CaSO4) □ % Moisture Used Oil Br ☐ Dissolved As Z Ca Mo OV Other Tests: 0 % Moisture Flashpoint ☐ Dissolved Fe NO3 □ Sulfites XRF Scan Metals in oil Ø Cd Ø Na & Zn **NPDES** ☐ Rad 226 **SO4** □ pH HGI (As,Cd,Cr,Ni,Pb □ Rad 228 □ Oil & Grease Chlorides Z Co Ø Ni [Fineness Hg) □ Hg □ PCB □ As Particle Size Particulate Matter Z Pb Ø Cr □ CrVI DISS GOFER



Santee Coope One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5144 Fax: (843)761-4175

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA @santeecooper.com 125915 / JM02.09.601.1/ 36500 Yes No Analysis Group Labworks ID# Sample Location/ Comments (Internal use Description Collection Date METALS BELOW Collection Tim AS Sample Collecto Method # only) Preservative (: below) Fotal # of conta Grab (G) or Composite (C) Bottle type: (r G/Plastic-P) Reporting limit SSOUPED Matrix(see Misc. sample info Any other notes SEE TOTAL 4 .24 DEW PLEASE SEE SHEET. AF36876 6/20/22 CBW-1 1416 P 2 MI G GW X 25 PM-1 901 1531 X -76 CGYP-1 888 6/21/22 1004 X 27 CGYP-2 889 X 1109 -28 890 CGYP-2 DUP 1114 X 29 891 CGYP-3 1231 X 30 892 CGYP-4 1323 X -3 893 CGYP-6 1423 X -32 908 POZ-8 6/28/22 1050 -33 885 CCMLF-1 6/29/22 0930 Relinquished by: Sample Receiving (Internal Use Only) Employee# Date Time Received by: Employee # Date Time TEMP (°C): 14.8 Initial: Symvan 35594 8/4/22 1500 when you NIGHT 1100 Relinquished by: Employee# Date Time Correct pH: Yes Employee # Time Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee # Date Time Date/Time/Init for preservative: ☐ METALS (all **Nutrients** MISC. Gypsum Coal □ Ag Z Cu Ø Sb Flyash Oil TOC □ BTEX [Wallboard ZAI ☑ Fe Z Se □ Ultimate ☐ Ammonia Trans. Oil Qual. DOC □ Napthalene Gypsum(all ☐ % Moisture □ %Moisture ZAS □ LOI DK □ Sn TP/TPO4 ☐ THM/HAA below) □ Ash Color □ % Carbon DVOC NH3-N ZB ZLi □ Sr D AIM Acidity □ Sulfur □ Oil & Grease ☐ Mineral OTOC F Dielectric Strength Ba & Me □ BTUs D Ti DE. Coli Analysis [Total metals CI IFT ☐ Total Coliform ☐ Volatile Matter ☐ Sieve 8 Be □ Mn ØTI D Soluble Metals Dissolved Gases U NO2 □pH CHN D Purity (CaSO4) ☐ % Moisture Used Oil □ Br □ Dissolved As Z Ca ≥ Mo DV □ % Moisture Other Tests: E NO3 ☐ Dissolved Fe ☐ Sulfites ☐ XRF Scan Metals in oil Z Cd Ø Na ℤ Zn **NPDES** □ Rad 226 □ SO4 ПрН THOL (As,Cd,Cr,Ni,Pb ☐ Rad 228 Oil & Grease Ø Co Chlorides Hg) Ø Ni ☐ Fineness □ Hg □ PCB D Particle Size ☐ Particulate Matter TX ☑ Cr Z Pb □ CrVI O TSS Sulfur **GOFER**

Customer Email/Report Recipient:

72H0490

Chain of Custody

santee cooper

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

Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA @santeecooper.com 125915 / JM02.08. GO 1.3 / 36500 Yes No **Analysis Group** Labworks ID# Sample Location/ Comments BELOW (Internal use Description Collection Date Collection Time Sample Collecto Method # 3 only) Gia Preservative (below) Grab (G) or Composite (C) Bottle type: (r G/Plastic-P) Reporting limit DISSOLVED Misc. sample info Fotal # of SEE B Any other notes 34 AF36873 CAP-12 6 6/21/22 1518 2 B 2 GW PLEASE SEE SHEET. ML X 35 875 CAP- 14 6/22/22 0939 X X -34 872 CAP- 11 1357 X X -37 CAP-2 862 1202 X X -38 CAP-15 874 1027 × X -39 861 CAP-1 1253 X X 40 CAP-10 871 1445 X x 869 CAP-9 1540 X X 42 870 CAP-9 DUP X 1545 X Sample Receiving (Internal Use Only)
Initial: Relinquished by: Employee# Date Time Received by: Employee # Date Time Symoun 8/8/22 you you 8/5/22 35594 1500 1100 Relinquished by: Employee# Date Time Correct pH: Yes Received by: Employee # Time Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee # Date Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. Gypsum Coal □ Ag & Cu Ø Sb Flyash Oil TOC □ BTEX □ Wallboard Z Al O Fe Ø Se □ Ultimate ☐ Ammonia Trans. Oil Qual. DOC ☐ Napthalene Gypsum(all ☐ % Moisture %Moisture O LOI □ As ØK □ Sn ☐ THM/HAA TP/TPO4 below) Color ☐ Ash □ % Carbon □ VOC ₽B 8 Li NH3-N O AIM D Sr Acidity □ Sulfur □ Oil & Grease ☐ Mineral O TOC Dielectric Strength BTUs D/Ba Z Mg O Ti □ E. Coli Analysis ☐ Total metals IFT CI ☐ Volatile Matter ☐ Total Coliform ☐ Sieve ☐ Soluble Metals Dissolved Gases ☑ Be □ Mn PTI NO2 □ pH DCHN D Purity (CaSO4) □ % Moisture Used Oil Br ☐ Dissolved As D'Ca Q'Mo UV ☐ % Moisture Other Tests: Flashpoint D NO3 □ Dissolved Fe O Sulfites XRF Scan Metals in oil D/Cd ☑ Na 2 Zn **NPDES** ☐ Rad 226 □ SO4 DpH THE (As.Cd,Cr,Ni,Pb ☐ Rad 228 □ Oil & Grease □ Chlorides Z Co ☐ Fineness Hg) Ø Ni □ Hg D PCB I Particle Size ☐ Particulate Matter TX ₫ Cr 2Pb □ CrVI □ TSS Sulfur GOFER



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

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA @santeecooper.com 125915 / JM62.08.GO1.3 / 36500 Yes No **Analysis Group** Labworks ID# Sample Location/ Comments (Internal use Description METALS BELOW Collection Date Method # Collection Tim Sample Collecto Glas only) Preservative (r Total # of conta Grab (G) or Composite (C) SSOLVED Reporting limit Bottle type: (G/Plastic-P) Misc. sample info Any other notes TOTAL -SEE A 1005 DEW AF36868 CAP-8 6/23/22 2 2 6 GW X X PLEASE SEE SHEET. 867 CAP-7 1116 X X 45 CAP-6 866 1215 X X -4 865 CAP- 5 1327 X X 47 864 CAP-4 X 1449 X 48 CAP-3 863 1608 X X Date Relinquished by: Employee# Sample Receiving (Internal Use Only) Time Received by: Employee # Date Time TEMP (°C): 14 Y Initial: 8/8/22 Sylpwan 35594 Musica Kings 8/6/2 1100 Relinquished by: Correct pH: Yes **Employee#** Date Time Received by: Employee # Date Time Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee # Date Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. Gypsum Coal □ Ag Ø Cu Z Sb Flyash Oil TOC **BTEX** □ Wallboard € Fe Ø Al ☑ Se □ Ultimate Trans. Oil Qual. ☐ Ammonia □ Napthalene DOC Gypsum(all ☐ % Moisture %Moisture □ LOI PAS DK □ Sn □ THM/HAA TP/TPO4 below) Ash □ % Carbon □ VOC ØB NH3-N D AIM **ZLi** Acidity ☐ Sr Sulfur ☐ Mineral □ Oil & Grease D TOC Dielectric Strength □ BTUs D'Ba **Ø**'Mg □ Ti □ E. Coli Analysis ☐ Total metals CI □ Volatile Matter ☐ Total Coliform Coluble Metals Dissolved Gases Ø Be □ Mn ZTI NO2 □ pH □ CHN ☐ Purity (CaSO4) ☐ % Moisture Used Oil Br ☐ Dissolved As & Ca D Mo OV ☐ % Moisture Other Tests: Flashpoint NO3 □ Dissolved Fe ☐ Sulfites XRF Scan Metals in oil **NPDES** Ø Cd Na 2 Zn ☐ Rad 226 □ SO4 II pH HGI (As,Cd,Cr,Ni,Pb ☐ Rad 228 □ Oil & Grease □ Chlorides ☐ Fineness Hg) D.Co ZNi □ Hg □ PCB ☐ Particle Size ☐ Particulate Matter □ As & Cr 2 Pb □ CrVI O TSS GOFER U Sulfur

Table of Reporting Limits for Groundwater Samples-- Metals Only

Reporting GWPS/ Analyte Unit Limits best MCL/ RSL case Aluminum mg/L 0.05 to 0.2 Antimony ug/L 6 5 Arsenic 10 ug/L 5 Arsenic Dissolved ug/L Barium 2000 ug/L 5 Beryllium ug/L 4 0.5 Boron ug/L 10 to 15 ---Cadmium 5 ug/L 0.5 Calcium ug/L 0.1 ---Chromium ug/L 100 5 Cobalt ug/L 0.5 6 Copper mg/L 1 Iron 300 ug/L Lead ug/L 15 Lithium 6010 ug/L 40 5 Magnesium ug/L Mercury 7470 2 ug/L 0.2 Molybdenum 6010 ug/L 100 5 Nickel ug/L Potassium mg/L Selenium ug/L 50 5 Sodium mg/L Thallium ug/L 2

ug/L

5000

Zinc

METHOD 6020 UNLESS OTHERWISE NOTED.

NOT NEEDED



Revised July 2014

Sample Receipt Verification

Client: Sant	ee Cooper		Date eived:	8/5/	22			Work Order:	22H	H0490	
Carrier Name:	Client	Other:			-	Trac	cking Nu	mber:			
Receipt Crite	eria			Yes	No	NA			Com	ments	
Shipping conta	iner / cooler intact?			v			Damaged	Leakin	g	Other:	
Custody seals i	ntact?					>					
COC included	with samples?										
COC signed w	hen relinquished and recei	ved?		/							
Sample bottles	intact?			/			Damaged	Leakin	g	Other:	
Sample ID on	COC agree with label on b	oottle(s)?		✓							
Date / time on	COC agree with label on l	oottle(s)?		/							
Number of bot	tles on COC agrees with n	umber of bottles recei	ived?	/							
Samples receiv	ed within holding time?			/							
Sample volume	e sufficient for analysis?			/							
VOA vials free	of headspace (<6mm but	ble)?				>					
Samples coole	Temp at receipt record Temp measured with I	ed on COC R thermometer - SN: 97050	0067	✓			Ice 🗸	Cold Pack	s	Dry Ice	None
	ing pH preservation at profor metals analysis may be prese		b.	~							
	orinated for parameters rec					>					
		If in-house pres	servation	used	l – rec	ord I	Lot#				
HCL			H ₃ P	PO 4							
H_2SO_4			Na(HC							
HNO ₃			Oth	ner							
Comments:											
***		. 1	NI 2								
	nformance issues noted unce issue other than noted		NO								
2											

Completed by: Page 81 of 81











PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

June 29, 2022

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

Re: ABS Lab Analytical Work Order: 584114

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 24, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

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

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

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



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

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 584114 GEL Work Order: 584114

The Qualifiers in this report are defined as follows:

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

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

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

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

	Inlie	Roberson	
Reviewed by			

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

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36876
Sample ID: 584114001
Matrix: Ground Water
Collect Date: 20-JUN-22 14:16

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	An	alyst Date	Time	e Batch	Method
Mercury Analysis-C	VAA											
7470 Cold Vapor Me	ercury, Liquid "A	As Received"										
Mercury	Ū	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1029	2282950	1
The following Prep 1	Methods were pe	erformed:										
Method	Description	n		Analyst	Date		Tim	e	Prep Batch	ß.		
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	06/28/22		1344		2282947			
The following Angle	rtical Mathada r	vara parformad:										

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

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

Page 3 of 23 SDG: 584114

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

Certificate of Analysis

Report Date: June 29, 2022

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Project:

Ms. Jeanette Gilmetti ABS Lab Analytical

Client Sample ID:

AF36901

Sample ID: Matrix:

584114002 Ground Water

Collect Date:

20-JUN-22 15:31

Receive Date: Collector:

24-JUN-22 Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF Anal	yst Date	Time Batch	Method
Mercury Analysis	-CVAA									
7470 Cold Vapor	Mercury, Liquid "A	As Received"								
Mercury	U	ND	0.0670	0.200	ug/L	1.00) 1 JP2	06/29/22	1031 2282950	1

Mercury

ND 0.0670 0.200

SOOP00119

SOOP001

The following Prep Methods were performed: Method

Description SW846 7470A Prep EPA 7470A Mercury Prep Liquid

Date Analyst 06/28/22 RM4

Prep Batch Time 2282947 1344

Analyst Comments

Project:

Client ID:

The following Analytical Methods were performed:

Method Description

SW846 7470A

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

Page 4 of 23 SDG: 584114

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

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36888
Sample ID: 584114003
Matrix: Ground Water
Collect Date: 21-JUN-22 10:04

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	lyst Date	Time Batch	Method
Mercury Analysis-C	VAA										
7470 Cold Vapor Me	rcury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1032 2282950) 1
The following Prep N	Methods were pe	rformed:									
Method	Description	1		Analyst	Date		Time	, I	Prep Batch	ž	
SW846 7470A Prep	EPA 7470A N	Aercury Prep Liquid		RM4	06/28/22		1344	2	282947		-

The following Analytical Methods were performed:

MethodDescriptionAnalyst Comments1SW846 7470A

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

Page 5 of 23 SDG: 584114

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

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36889
Sample ID: 584114004
Matrix: Ground Water
Collect Date: 21-JUN-22 11:09

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	An	alyst Date	Time	Batch	Method
Mercury Analysis-C	VAA											
7470 Cold Vapor Me	ercury, Liquid "A	s Received"										
Mercury	Ū	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1034	2282950	1
The following Prep 1	Methods were per	rformed:										
Method	Description	[Analyst	Date		Time	e	Prep Batch	E .		
SW846 7470A Prep	EPA 7470A M	ercury Prep Liquid		RM4	06/28/22		1344		2282947			
The following Analy	vtical Methods w	ere performed:										

Method Description Analyst Comments

SW846 7470A

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

Page 6 of 23 SDG: 584114

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

Project:

Client ID:

Certificate of Analysis

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36890
Sample ID: 584114005
Matrix: Ground Water
Collect Date: 21-JUN-22 11:14

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	ılyst Date	Time Batch	Method
Mercury Analysis-C	VAA										
7470 Cold Vapor Me	ercury, Liquid "A	As Received"									
Mercury	Ū	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1036 2282950	1
The following Prep 1	Methods were pe	erformed:									
Method	Description	1		Analyst	Date		Time	e .	Prep Batch	K.	
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	06/28/22		1344		2282947		
The following Analy	ytical Methods v	vere performed:									

Method Description Analyst Comments

SW846 7470A

Notes:

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 7 of 23 SDG: 584114

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

Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36891
Sample ID: 584114006
Matrix: Ground Water
Collect Date: 21-JUN-22 12:31

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	An	alyst Date	Tim	e Batch	Method
Mercury Analysis-C	VAA											
7470 Cold Vapor Me	ercury, Liquid "A	As Received"										
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1041	2282950	1
The following Prep 1	Methods were pe	rformed:										
Method	Description	1		Analyst	Date		Time	e	Prep Batch	E .		30
SW846 7470A Prep	EPA 7470A N	Iercury Prep Liquid		RM4	06/28/22	į	1344		2282947			
The following Analy	tical Methods w	vere performed:										

Method Description

SW846 7470A

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

Page 8 of 23 SDG: 584114

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

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper P.O. Box 2946101 Address:

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36892 Sample ID: 584114007 Matrix: Ground Water Collect Date: 21-JUN-22 13:23

Receive Date: 24-JUN-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	lyst Date	Time Batcl	Method
Mercury Analysis-C	VAA										
7470 Cold Vapor Me	ercury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1043 228295	0 1
The following Prep 1	Methods were pe	erformed:									
Method	Description	1		Analyst	Date	r	Гітє	,	Prep Batch	ii.	
SW846 7470A Prep	EPA 7470A N	Mercury Prep Liquid		RM4	06/28/22		1344		2282947		
The following Analy	ytical Methods v	vere performed:									
Method	Description				P	\nalyst	Cor	nme	nts		

Description Method

SW846 7470A

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

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper P.O. Box 2946101 Address:

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36893 Sample ID: 584114008 Matrix: Ground Water Collect Date: 21-JUN-22 14:23

24-JUN-22 Receive Date: Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	lyst Date	Time	Batch	Method
Mercury Analysis-C	VAA											
7470 Cold Vapor Me	ercury, Liquid "As	Received"										
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1045	2282950	1
The following Prep 1	Methods were perf	formed:										
Method	Description			Analyst	Date	-	Γime	, I	Prep Batch	K		30
SW846 7470A Prep	EPA 7470A Me	rcury Prep Liquid		RM4	06/28/22	j	1344	2	282947			
The following Analy	ztical Methods we	re performed:										

Description Method Analyst Comments SW846 7470A

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

Project:

Client ID:

Certificate of Analysis

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36874
Sample ID: 584114009
Matrix: Ground Water
Collect Date: 22-JUN-22 10:27

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Ana	lvst Date	Time Bate	h Method
Mercury Analysis-C											
7470 Cold Vapor Me		s Received"									
Mercury	Ū	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1046 22829	950 1
The following Prep 1	Methods were per	formed:									
Method	Description			Analyst	Date	3	Γime	, 1	Prep Batch	ŭ.	
SW846 7470A Prep	EPA 7470A M	ercury Prep Liquid		RM4	06/28/22	1	1344	2	2282947		-
The following Angle	utical Mathode w	ara parformad:									

The following Analytical Methods were performed:

MethodDescriptionAnalyst Comments1SW846 7470A

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

Page 11 of 23 SDG: 584114

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

Certificate of Analysis

Report Date: June 29, 2022

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36861 Sample ID: 584114010

Matrix: Ground Water Collect Date: 22-JUN-22 12:53 Receive Date: 24-JUN-22 Collector: Client

Project: SOOP00119 Client ID: SOOP001

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	lyst Date	Tim	e Batch	Method
Mercury Analysis-	CVAA											
7470 Cold Vapor N	Mercury, Liquid "A	As Received"										
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1048	2282950	1
The following Prep	Methods were pe	erformed:										
3 6 3 1				Name of the same o					D 1			

Description Method

Date Prep Batch Analyst Time SW846 7470A Prep EPA 7470A Mercury Prep Liquid 2282947 RM4 06/28/22 1344

The following Analytical Methods were performed:

Method Description Analyst Comments SW846 7470A

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

Page 12 of 23 SDG: 584114

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

Project:

Client ID:

Certificate of Analysis

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper P.O. Box 2946101 Address:

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36871 Sample ID: 584114011 Matrix: Ground Water 22-JUN-22 14:45 Collect Date:

Receive Date: 24-JUN-22 Client Collector:

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Analy	rst Date	Time Batch	Method
Mercury Analysis-CV	VAA										
7470 Cold Vapor Me	rcury, Liquid "A	As Received"									
Mercury	U	ND	0.0670	0.200	ug/L	1.00) 1	JP2	06/29/22	1050 2282950) 1
The following Prep N	Aethods were pe	rformed:									
Method	Description	1		Analyst	Date		Time	e Pr	ep Batch	K	
SW846 7470A Prep	EPA 7470A N	1 Aercury Prep Liquid		RM4	06/28/22		1344	22	82947		

The following Analytical Methods were performed:

Method Description Analyst Comments SW846 7470A

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

Page 13 of 23 SDG: 584114

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

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36869
Sample ID: 584114012
Matrix: Ground Water
Collect Date: 22-JUN-22 15:40

Receive Date: 24-JUN-22 Collector: Client

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

Mercury Analysis-CVAA

7470 Cold Vapor Mercury, Liquid "As Received"

Mercury U ND 0.0670 0.200 ug/L 1.00 1 JP2 06/29/22 1051 2282950 1

The following Prep Methods were performed:

MethodDescriptionAnalystDateTimePrep BatchSW846 7470A PrepEPA 7470A Mercury Prep LiquidRM406/28/2213442282947

The following Analytical Methods were performed:

Method Description Analyst Comments

SW846 7470A

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

Page 14 of 23 SDG: 584114

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

Certificate of Analysis

Project:

Client ID:

Report Date: June 29, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36870
Sample ID: 584114013
Matrix: Ground Water
Collect Date: 22-JUN-22 15:45

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	DL	RL	Units	PF	DF	Anal	yst Date	Time	e Batch	Method
Mercury Analysis-C	VAA											
7470 Cold Vapor Me	ercury, Liquid "As	s Received"										
Mercury	U	ND	0.0670	0.200	ug/L	1.00	1	JP2	06/29/22	1053	2282950	1
The following Prep	Methods were per	formed:										
Method	Description			Analyst	Date		Time	e P	rep Batch	K		
SW846 7470A Prep	EPA 7470A M	ercury Prep Liquid		RM4	06/28/22		1344	2	282947			

The following Analytical Methods were performed:

 Method
 Description
 Analyst Comments

 1
 SW846 7470A

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

QC Summary

Report Date: June 29, 2022

Page 1 of 2

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584114

Parmname		NO	M	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Metals Analysis-Me Batch 228	rcury 82950 ——												
QC1205126641 Mercury	LCS	2.00				2.01	ug/L		101	(80%-120%)	JP2	06/29/2	22 10:05
QC1205126640 Mercury	MB				U	ND	ug/L					06/29/2	22 10:03
QC1205126642 Mercury	582287002 MS	2.00	U	ND		1.61	ug/L		80.3	(75%-125%)		06/29/2	22 10:08
QC1205126643 Mercury	582287002 MSD	2.00	U	ND		1.64	ug/L	2.04	81.9	(0%-20%)	ĺ	06/29/2	22 10:10
QC1205126644 Mercury	582287002 SDILT		U	ND	U	ND	ug/L	N/A		(0%-10%)		06/29/2	22 10:12

Notes:

The Qualifiers in this report are defined as follows:

- < Result is less than value reported
- > Result is greater than value reported
- E %difference of sample and SD is >10%. Sample concentration must meet flagging criteria
- FB Mercury was found present at quantifiable concentrations in field blanks received with these samples. Data associated with the blank are deemed invalid for reporting to regulatory agencies
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- N Metals--The Matrix spike sample recovery is not within specified control limits
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit
- NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

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

QC Summary

Workorder: 584114 Page 2 of 2

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

- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y Other specific qualifiers were required to properly define the results. Consult case narrative.
- Λ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

- ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
- * Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

Page 17 of 23 SDG: 584114

Metals Technical Case Narrative Santee Cooper SDG #: 584114

Product: Mercury Analysis Using the Perkin Elmer Automated Mercury Analyzer

Analytical Method: SW846 7470A

Analytical Procedure: GL-MA-E-010 REV# 38

Analytical Batch: 2282950

Preparation Method: SW846 7470A Prep

Preparation Procedure: GL-MA-E-010 REV# 38

Preparation Batch: 2282947

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

GEL Sample ID#	Client Sample Identification
584114001	AF36876
584114002	AF36901
584114003	AF36888
584114004	AF36889
584114005	AF36890
584114006	AF36891
584114007	AF36892
584114008	AF36893
584114009	AF36874
584114010	AF36861
584114011	AF36871
584114012	AF36869
584114013	AF36870
1205126640	Method Blank (MB)CVAA
1205126641	Laboratory Control Sample (LCS)
1205126644	582287002(NonSDGL) Serial Dilution (SD)
1205126642	582287002(NonSDGS) Matrix Spike (MS)
1205126643	582287002(NonSDGSD) Matrix Spike Duplicate (MSD)

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

Data Summary:

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

Certification Statement

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

Page 18 of 23 SDG: 584114

Contract Lab Info:	GEL
Contract Lab Into:	

Contract Lab Due Date (Lab Only): 7 / 7 / 22

Send report to lcwillia@santeecooper.com sjbrown@santeecooper.com sjbrown@santeecooper.com sjbrown.com <

58414/4117

Chain of Custody



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

Labworks ID# Samp		.com Collection Date Laborate Laborate	Collection Time	Sample Collector	Total if of containers (A) Bottle type: (Glass-		low)	Preservative (see	MetlRepoMisc	Commer od # orting limit . sample info other notes		No Ana	lysis Grou	ap
(Internal use only) AF 36876 CBW	v-l	6/20/20	2 1416		.	Grab (G) or Composite (C)	Matrix(see below)	eservative (see ilow)	RepoMiso	od# orting limit . sample info		Ana	lysis Grou	1 <u>D</u>
(Internal use only) AF 36876 CBW	v-l	6/20/20	2 1416		.	G/Plastic-P) Grab (G) or Composite (C)	Matrix(see below)	eservative (see ilow)	RepoMiso	od# orting limit . sample info				
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	2000 000 000 000	.		211	1 - 1		N-t-		+ 1	Sample Re	ceiving (Internal U	se Only)		
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		te Time	/ Receiv	ed by:	Employ		Date		Time		H: Yes No			
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Relinquished by:	Employee# Da	te Time	Receiv	ed by	Employe	e#	¹ Date		Time					
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OB OLi	□Sr	NH3-N F	□ Oil & Gr	ease	0.7	oc .			Sulfur BTUs	- 10	Mineral Analysis	Date	in Car	a e
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Contract Lab Info: ___ GEL

___ Contract Lab Due Date (Lab Only):_



584117/4114

Chain of Custody



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

Customer Email	/Report Recipie	ent:	Date i	Results Ne	eded b	у:		Pr	oject/	Task/l	Jnit #:		į	Rerun requ	est for	any	flagge	ed QC
LCWILLIA	@santeed	ooper.com		//			125	915	JM	02.5	1. G ØI	1/	36500	_ Y	es N	D		
																Anal	ysis Gr	oup
Labworks ID # (Internal use only)	Sample Location Description	n/	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)		Misc. s	Commen I # ng limit ample info ner notes	S			ISTAL WAD CALC.	5
AF 36876	CBW-I		6/20/22	- 1416	DEW	3	Þ	G	GW	2	Hg -	1470	RL CO	200 49/	2 2	2. >	1	
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91	CGYP-3			1231														
92	CGYP-4	***************************************		1323													4	
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7,5

Chain of Custody



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

Customer Email	/Report Recipie	nt:	Date l	Results Ne	eded b	y:		Pro	oject/	Task/l	Unit #:		Rerun request	for a	ıy fla	gged	QC
LCWILLIA	@santeeco	oper.com		<i></i>			125	915	1 JM	02 .	68.GØ1.3	36500	_ Yes	No			
													Volume 4 A Proposition of	£	ınalysi	s Grou	距
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	Meth Repo Misc Any	Commen od # rting limit . sample info other notes		RAYS 226/228	TOTAL RAD CALC	Ha	
	CAP-12		0/21/2	2 (518	DEW						150 Hg - 747	TL 40.	200 UB/L	-2	- William		ectediscond)
36874 AF-8	GAP-13		6/22/2		DEW	3	P	G	GW	2				4		18	
861	CAP-1			1253			1			<u> </u>			7	11	1		
871	OAP-10			1445		-		-	-			Material Andrews		-	H		_
869	CAP-9			1240		-		Н_	-	-		THE PARTY OF THE P		+	-		-
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Relinquished by: Relinquished by: Relinquished by:	35594 : Employee#	Date 6/24/22. Date /	Time 099 Time	Mecos Mecos	ved by: ved by: ved by:	(C	mployee mployee	e# (Date 6/24; Date Date	/22 • • •	SIS Time	Correct p Preservat					
□ MI □ Ag □ CC □ Al □ F □ As □ K □ B □ L □ Ba □ L □ Ca □ M □ Cd □ M □ Cc □ M □ Cr □ P	e □ Se □ Sn □ Sn □ Sr Mg □ Ti Mn □ Tl Mo □ V Na □ Zn Ni □ Hg	U TO DO TP/ CANAL CITY CANAL CITY CANAL CITY CANAL CITY CANAL CITY CANAL	C TTPO4 3-N 2	MI BTEX Naptha THM/F VOC Oil & C E Coli Total C DH Dissolv Rad 22 Rad 22 PCB	IAA Frease oliform ed As ed Fe 6		Wallb Gy bela C A C T C T C S C P C S C S C S C S C S C S C S C S C S C S	psum() oiv) AIM OC oral met oralis Mostu affics H hlorides article S	all als Actals aSO4) are		Coal Ultimate '' Moist Ash Sulfur BTUs Volatile CHN Other Tests: XRF Scan HGI Fineness Particulate M	Matter D	Flyash Ammonia LOI % Carbon Mineral Analysis Sieve % Moisture NPDES Oil & Grease As TSS	i A Di Di Di	O ms. O Mor Ador Address Control Discoli Disco	B (Joseph Australia) California C	gili

	GEL Laboratories LLC				SAMPLE RECEIPT & REVIEW FORM
Clie	ent; TOO			SDO	7/AR/COC/Work Order: 584\05/4\03/4\02/4\17/
Rec	eived By: MVH				e Received: 06 24 2022
	Carrier and Tracking Number				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courfer Other
Susp	pected Hazard Information	Yes	N ₀	*If I	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)S	hipped as a DOT Hazardous?	ļ.,	X	Haz	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
	old the client designate the samples are to be ived as radioactive?		X,		notation or radioactive stickers on containers equal client designation.
	old the RSO classify the samples as pactive?		X	Max	imum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) I	Did the client designate samples are hazardous?		X	1000	C notation or hazard labels on containers equal client designation.
E) E	old the RSO identify possible hazards?		X	It D	or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
	Sample Receipt Criteria	Yes	VN	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and scaled?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	X			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within $(0 \le 6 \text{ deg. C})$?*	X			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
4	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: IR2-21 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?			X	Sample ID's and Containers Affected: If Preservation added, Lot#: 200-00187
7	Do any samples require Volatile Analysis?			X	If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? YesNoNA(If unknown, select No) Are liquid VOA vials free of headspace? YesNoNA Sample ID's and containers affected:
8	Samples received within holding time?	X			TD's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	X			Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?			X	
13	COC form is properly signed in relinquished/received sections?	2			Circle Applicable: Not relinquished Other (describe)
COII	Constitution County Income.				

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 29 June 2022

42200 17-018 SC00012 88-0651 42D0904046 2940 SC00012 PH-0169 2567.01 E87156 -00283, P330-15-00253 SC00012 967
SC00012 88-0651 42D0904046 2940 SC00012 PH-0169 2567.01 E87156 -00283, P330-15-00253 SC00012
88-0651 42D0904046 2940 SC00012 PH-0169 2567.01 E87156 -00283, P330-15-00253 SC00012
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R-158
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SC00012
10120002
9255651
10120001
TN 02934
104704235-22-20
3C000122021-36
VT87156
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C780











PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

July 25, 2022

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

Re: ABS Lab Analytical Work Order: 584117

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 24, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

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

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

Sincerely,

Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



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

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 584117 GEL Work Order, 584117

The Qualifiers in this report are defined as follows:

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

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

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

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

	Inlie	Robinson	
Revie wed by			_

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

Project:

Client ID:

Analyst Comments

Certificate of Analysis

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36876
Sample ID: 584117001
Matrix: Ground Water
Collect Date: 20-JUN-22 14:16

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analys	t Date	Time Bato	h Method
Rad Gas Flow Proportion	onal Counting										3.
GFPC, Ra228, Liquid "	As Received"										
Radium-228	U	0.588	+/-0.926	1.61	3.00	pCi/L		JXC9	07/07/22	0845 22822	77 1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		1.29	+/-0.972			pCi/L		NXL1	07/14/22	0846 22822	76 2
Rad Radium-226											
Lucas Cell, Ra226, Liq	uid "As Recei	ved"									
Radium-226		0.702	+/-0.297	0.269	1.00	pCi/L		LXP1	07/12/22	0821 22822	68 3
The following Analytical Methods were performed:											

Method	Description	
1	EPA 904.0/SW846 9320 Modified	
7=7	THE STATE AND A STATE ASSAULTS	

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

86.7 (15%-125%)

Notes:

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

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

Lc/LC: Critical Level
PF: Prep Factor

DL: Detection Limit PF: Prep Factor MDA: Minimum Detectable Activity RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 23 SDG: 584117

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

Certificate of Analysis

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36901 Sample ID: 584117002 Matrix: Ground Water Collect Date: 20-JUN-22 15:31 Receive Date:

24-JUN-22

Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analyst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting									
GFPC, Ra228, Liquid ".	As Received"									
Radium-228	U	1.17	+/-0.923	1.45	3.00	pCi/L		JXC9 07/07/22	0845 2282277	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"							
Radium-226+228 Sum		2.07	+/-0.996			pCi/L		NXL1 07/14/22	0846 2282276	2
Rad Radium-226										
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"								
Radium-226		0.900	+/-0.374	0.431	1.00	pCi/L		LXP1 07/12/22	0821 2282268	3
The following Analytic	The following Analytical Methods were performed:									
Method	Description					1	Analys	st Comments		

Story and "Construction of the Construction of	AND CONTROL OF SAME SAME SAME SAME SAME SAME SAME SAME			355646 162	
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
	903.1 Modified				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 78.6 (15%-125%)

Notes:

1

2

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

EPA 904.0/SW846 9320 Modified

Calculation

Column headers are defined as follows:

Collector:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 4 of 23 SDG: 584117

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

Certificate of Analysis

Report Date: July 25, 2022

SOOP00119

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Client

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF36888 Sample ID: 584117003 Matrix: Ground Water Collect Date: 21-JUN-22 10:04 Receive Date: 24-JUN-22

Client ID: SOOP001

Project:

Analyst Comments

Oualifier Result Uncertainty MDC RLUnits PF Time Batch Method Parameter DF Analyst Date Rad Gas Flow Proportional Counting GFPC, Ra228, Liquid "As Received" Radium-228 1.85 +/-1.22 1.88 3.00 pCi/L JXC9 07/07/22 0845 2282277 Radium-226+Radium-228 Calculation "See Parent Products" Radium-226+228 Sum +/-1.30 pCi/L NXL1 07/14/22 0846 2282276 2 Rad Radium-226 Lucas Cell, Ra226, Liquid "As Received" Radium-226 1.40 +/-0.453 0.418 1.00 pCi/L LXP1 07/12/22 0821 2282268 3

The following Analytical Methods were performed:

Description

2 Calculation EPA 903.1 Modified Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 77.9 (15%-125%)

Notes:

Method

1

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

Collector:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 5 of 23 SDG: 584117

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

Certificate of Analysis

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36889
Sample ID: 584117004
Matrix: Ground Water
Collect Date: 21-JUN-22 11:09

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										3.
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		1.72	+/-1.05	1.56	3.00	pCi/L		JXC9	07/07/22	0845 2282277	1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		2.62	+/-1.11			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	Lucas Cell, Ra226, Liquid "As Received"										
Radium-226		0.891	+/-0.350	0.400	1.00	pCi/L		LXP1	07/12/22	0821 2282268	3
The following Analytical Methods were performed:											

	EDA 004 0/933946 0220 Modified	
Method	Description	Analyst Comments

EPA 904.0/SW846 9320 Modified Calculation

3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

78.3 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36890 Sample ID: 584117005 Matrix: Ground Water Collect Date: 21-JUN-22 11:14

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analys	st Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting	5									
GFPC, Ra228, Liquid	"As Received"										
Radium-228	U	0.646	+/-1.08	1.87	3.00	pCi/L		JXC9	07/07/22	0845 2282277	1
Radium-226+Radium-	228 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		1.23	+/-1.13			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Lie	quid "As Recei	ved"									
Radium-226	and a	0.581	+/-0.358	0.494	1.00	pCi/L		LXP1	07/12/22	0852 2282268	3
The following Analyt	ical Methods w	ere perfo	rmed:								

The following Analytical Methods were performed:

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recov	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 84.3 (15%-125%)

Notes:

Method

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/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

Project:

Client ID:

Analyst Comments

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36891
Sample ID: 584117006
Matrix: Ground Water

Collect Date: 21-JUN-22 12:31
Receive Date: 24-JUN-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid ".	As Received"										
Radium-228		5.24	+/-1.48	1.80	3.00	pCi/L		JXC9	07/12/22	0912 2282277	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		6.34	+/-1.53			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		1.10	+/-0.391	0.310	1.00	pCi/L		LXP1	07/12/22	0852 2282268	3
The following Analytic	al Methods w	ere perfo	rmed:								

The following A	Analytical Methods were performed:
Method	Description

Calculation

3 EPA	v 903.1 Modified				
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limit Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 82.7 (15%-125%)

Notes:

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

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

Project:

Client ID:

Analyst Comments

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36892
Sample ID: 584117007
Matrix: Ground Water
Collect Date: 21-JUN-22 13:23

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting	5									
GFPC, Ra228, Liquid '	"As Received"										
Radium-228		3.77	+/-1.42	1.97	3.00	pCi/L		JXC9	07/07/22	0846 2282277	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		4.19	+/-1.44			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Liq	uid "As Recei	ved"									
Radium-226	56	0.415	+/-0.258	0.352	1.00	pCi/L		LXP1	07/12/22	0852 2282268	3
The following Analyti	cal Methods w	ere perfo	rmed:								

Method Description

1 EPA 904.0/SW846 9320 Modified 2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

82.9 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Analyst Comments

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36893 Sample ID: 584117008 Matrix: Ground Water Collect Date: 21-JUN-22 14:23

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting	5									
GFPC, Ra228, Liquid	"As Received"										
Radium-228		3.76	+/-1.32	1.72	3.00	pCi/L		JXC9	07/07/22	0846 2282277	1
Radium-226+Radium-	-228 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		5.80	+/-1.40			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Lie	quid "As Recei	ved"									
Radium-226		2.04	+/-0.491	0.314	1.00	pCi/L		LXP1	07/12/22	0852 2282268	3
The following Analyt	ical Methods w	zere perfoi	rmed:								

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.9 (15%-125%)

Notes:

Method

1

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/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

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36874
Sample ID: 584117009
Matrix: Ground Water
Collect Date: 22-JUN-22 10:27

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportio	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228	U	1.55	+/-1.31	2.13	3.00	pCi/L		JXC9	07/07/22	0846 2282277	1
Radium-226+Radium-22	28 Calculation	n "See Pa	rent Products"								
Radium-226+228 Sum		1.79	+/-1.33			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	id "As Recei	ved"									
Radium-226	U	0.236	+/-0.231	0.363	1.00	pCi/L		LXP1	07/12/22	0852 2282268	3
The following Analytic	al Methods w	ere perfo	rmed:								
Method	Description					Ŋ	Analys	st Comments	s		

Method	Description	
1	EPA 904.0/SW846 9320 Modified	
2	Calculation	

3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

83 (15%-125%)

Notes:

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

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: July 25, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36861 Sample ID: 584117010 Matrix: Ground Water Collect Date: 22-JUN-22 12:53 Receive Date: 24-JUN-22

Client

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proport:	ional Counting	5									
GFPC, Ra228, Liquid	"As Received"										
Radium-228	U	0.947	+/-0.985	1.64	3.00	pCi/L		JXC9	07/07/22	0847 2282277	1
Radium-226+Radium-	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.12	+/-1.06			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Lic	quid "As Recei	ved"									
Radium-226		1.18	+/-0.394	0.250	1.00	pCi/L		LXP1	07/12/22	0925 2282268	3
DERON THESE REPORT NO ATTOCK AND ARREST	The second state of	(5)491	986								

The following Analytical Methods were performed: Method Description

2 Calculation EPA 903.1 Modified Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 86.9 (15%-125%)

Notes:

1

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

Collector:

DF: Dilution Factor Lc/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

Project:

Client ID:

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36871
Sample ID: 584117011
Matrix: Ground Water
Collect Date: 22-JUN-22 14:45

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid ".	As Received"										
Radium-228	U	1.30	+/-1.12	1.81	3.00	pCi/L		JXC9	07/07/22	0847 2282277	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.24	+/-1.18			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.936	+/-0.387	0.345	1.00	pCi/L		LXP1	07/12/22	0925 2282268	3
The following Analytical Methods were performed:											

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	-

2 Calculation
3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 79 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: July 25, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Client

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36869
Sample ID: 584117012
Matrix: Ground Water
Collect Date: 22-JUN-22 15:40
Receive Date: 24-JUN-22

Client ID: SOOP001

Analyst Comments

SOOP00119

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	rst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid "	As Received"										
Radium-228		2.45	+/-0.946	1.14	3.00	pCi/L		JXC9	07/07/22	0847 2282277	1
Radium-226+Radium-2	28 Calculation	n "See Pa	arent Products"								
Radium-226+228 Sum		2.99	+/-0.987			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.538	+/-0.279	0.331	1.00	pCi/L		LXP1	07/12/22	0925 2282268	3

The following Analytical Methods were performed:

Description

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limit Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 84.9 (15%-125%)

Notes:

Method

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

Collector:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

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

Project:

Client ID:

Analyst Comments

Report Date: July 25, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF36870
Sample ID: 584117013
Matrix: Ground Water
Collect Date: 22-JUN-22 15:45

Receive Date: 24-JUN-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Propor	tional Counting										
GFPC, Ra228, Liquid	l "As Received"										
Radium-228		4.25	+/-1.46	1.86	3.00	pCi/L		JXC9	07/07/22	0943 2282277	1
Radium-226+Radium	-228 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		4.38	+/-1.48			pCi/L		NXL1	07/14/22	0846 2282276	2
Rad Radium-226											
Lucas Cell, Ra226, Li	iquid "As Recei	ved"									
Radium-226	U	0.124	+/-0.242	0.445	1.00	pCi/L		LXP1	07/12/22	0925 2282268	3
The following Analyt	tical Methods w	ere perfo	rmed:								

The rene iing	r mary crear refreshed in ore performed.
Method	Description

1	EPA 904.0/SW846 9320 Modified
2	Calculation
3	EPA 903 1 Modified

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			81.3	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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

QC Summary

Report Date: July 25, 2022

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 584117

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Gas Flow Batch 2282277 ——									
QC1205124936 584117001 DUP Radium-228	U Uncertainty	0.588 +/-0.926		2.63 +/-1.11	pCi/L	127*		(0% - 100%) JXC	c9 07/07/22 08:44
QC1205124937 LCS Radium-228	45.3 Uncertainty			37.8 +/-3.15	pCi/L		83.3	(75%-125%)	07/07/22 08:45
QC1205124935 MB Radium-228	Uncertainty		U	0.990 +/-0.924	pCi/L				07/07/22 08:44
Rad Ra-226 Batch 2282268									
QC1205124915 584117001 DUP Radium-226	Uncertainty	0.702 +/-0.297	U	0.234 +/-0.184	pCi/L	100		(0% - 100%) LXE	21 07/12/22 09:25
QC1205124917 LCS Radium-226	26.5 Uncertainty			21.9 +/-1.66	pCi/L		82.4	(75%-125%)	07/12/22 09:58
QC1205124914 MB Radium-226	Uncertainty		U	0.190 +/-0.263	pCi/L				07/12/22 09:25
QC1205124916 584117001 MS Radium-226	131 Uncertainty	0.702 +/-0.297		100 +/-7.68	pCi/L		76.2	(75%-125%)	07/12/22 09:58

Notes:

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

The Qualifiers in this report are defined as follows:

** Analyte is a Tracer compound

< Result is less than value reported

> Result is greater than value reported

BD Results are either below the MDC or tracer recovery is low

FA Failed analysis.

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Page 1 of 2

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

QC Summary

Workorder: 584117 Page 2 of 2 Parmname NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time Η Analytical holding time was exceeded J See case narrative for an explanation Value is estimated K Analyte present. Reported value may be biased high. Actual value is expected to be lower. L Analyte present. Reported value may be biased low. Actual value is expected to be higher. Μ M if above MDC and less than LLD M REMP Result > MDC/CL and < RDL N/A RPD or %Recovery limits do not apply. N1 See case narrative ND Analyte concentration is not detected above the detection limit NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier One or more quality control criteria have not been met. Refer to the applicable narrative or DER. Q R Sample results are rejected U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD. UI Gamma Spectroscopy--Uncertain identification Gamma Spectroscopy--Uncertain identification UJ UL Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias. X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier Y Other specific qualifiers were required to properly define the results. Consult case narrative.

Λ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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

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Radiochemistry Technical Case Narrative Santee Cooper SDG #: 584117

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified Analytical Procedure: GL-RAD-A-063 REV# 5

Analytical Batch: 2282277

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

GEL Sample ID#	Client Sample Identification
584117001	AF36876
584117002	AF36901
584117003	AF36888
584117004	AF36889
584117005	AF36890
584117006	AF36891
584117007	AF36892
584117008	AF36893
584117009	AF36874
584117010	AF36861
584117011	AF36871
584117012	AF36869
584117013	AF36870
1205124935	Method Blank (MB)
1205124936	584117001(AF36876) Sample Duplicate (DUP)
1205124937	Laboratory Control Sample (LCS)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Duplication Criteria between QC Sample and Duplicate Sample

The Sample and the Duplicate, (See Below), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with the value listed below.

Sample	Analyte	Value
1205124936 (AF36876DUP)	Radium-228	RPD 127* (0.0%-100.0%) RER 2.5 (0-3)

Technical Information

Recounts

Sample 584117006 (AF36891) was re-eluted and recounted to verify sample result. The recount is reported.

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Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

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

Analytical Batch: 2282268

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

GEL Sample ID#	Client Sample Identification
584117001	AF36876
584117002	AF36901
584117003	AF36888
584117004	AF36889
584117005	AF36890
584117006	AF36891
584117007	AF36892
584117008	AF36893
584117009	AF36874
584117010	AF36861
584117011	AF36871
584117012	AF36869
584117013	AF36870
1205124914	Method Blank (MB)
1205124915	584117001(AF36876) Sample Duplicate (DUP)
1205124916	584117001(AF36876) Matrix Spike (MS)
1205124917	Laboratory Control Sample (LCS)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

The matrix spike, 1205124916 (AF36876MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

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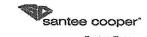
Contract Lab Info: GEL

Contract Lab Due Date (Lab Only): 7 / 5 / 22

584117/4114

Send report to lcwillia@santeecooper.com sjbrown@santeecooper.com sjbrown.com <a href="mailt

Chain of Custody



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

Customer Email	Date Res	Date Results Needed by:					oject/	Task/l	Rerun reques	Rerun request for any flagged QC				
LCWILLIA	@santeecooper.com					125	915	/JMI	02.05	1-601-1	<u>/ 365∞</u> Yes	No		
	1					1				ı		į	·	s 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)	Repo Miso	Comments nod # orting limit sample info other notes	RAD 226/228	TOTAL RAD CALC.	H9
AF36876	CBW-I	6/20/22	1416	ML	3	ヤ	G	GW	2	Hg 747	0 RL C 0.200 Mg/L	2	×	1
AF36901	PM-1	1 1	1531	1								2	×	1
AF36888	CGYP-1	6/21/22	1004										١	
89	CGYP-2		1109											
90	COYP-2 DUP		1114											
91	CG1 P-3		[23]								*			
92	CGYP- 4		1329											
1 93	CEYP-6		1423	\prod	I							1	I	1
	3													
Relinquished by:	Employeeff Date	Time	Received	l by:	E	mployee	<i>n</i>	Date		Time	Sample Receiving (Internal			
Announ Relinquished by:	35594 6/24/22	0586 Time	Received) I by:		GEL mployee	6	/24/2 Date		1935 Time	TEMP (°C): Correct pH: Yes No Preservative Lot#:	Initia)		
Kelinquished by:	Employee# Date	Time	Héteivec	(by/)	4	niployee	"	Date		Time	Date/Time/Init for presery	ative:		
□ MI □ Ag □ Co □ Al □ Fe □ As □ K □ Ba □ M □ Be □ M □ Cd □ Ne □ Co □ Ne □ Cr □ Pb		OC	MISC BTEX Napthalene THM/HA/ VOC Oil & Grea Total Colif Dissolved Dissolved Dissolved Rad 226 Red 228	s A Se Sorm As		Wallhoo Gyp belov Al TO Tot Sol Pur Sul Sul Sul Cuptt	strp(a) M C ial meta able M ity (Ca) Moistan files	ili is crists secht)	000	Coal Ultimate □ % Moist □ A Moist □ Ash □ Sulfur □ BTUs □ Volatile □ CHN ther Tests: XRF Scan HGI Fineness Particulate Ma	© % Carbon ☐ Mineral Analysis Matter ☐ Sieve ☐ % Moisture NPDES ☐ Oil & Gresse	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	More total and the control of the co	Charles Strength Chares

7 5

Chain of Custody



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

Customer Email/Report Recipient:			Date Results Needed by:					Pr	oject/	Task/	Unit #:	Rerun request	Rerun request for any flagged QC					
LCWILLIA	@santeeco	oper.com		JJ			125	915	J_JM	102.	08.Gøl.3	/_3650° Yes	No					
												Analysis Group						
Labworks ID # (Internal use only)			of o		Comments and # bring limit a sample info other notes	RMD 226/228	8	11.9										
A-968-5	CAT-12		6/21/2		DEW		200			estimate MATES	Ha-747	1 RL < 0.200 49/L	e=2	X	 	annan-sara		
36874 AF-8	CAP-13		6/22/2	-	DEX ML	3	P	G-	GW	2			4		10			
861	CAP-1			1253														
871	CAP-IO			1445														
869	CAP-9			(Patho														
1 870	GAP-9 DUP	•	<u> </u>	1545	1	1	1	<u> </u>	<u>L</u>	<u> </u>				L	1			
	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												<u> </u>					
Relinquished by:	Employee#	Date	Time	Recei	ed by:	Ε	mployee	#	Date		Time	Sample Receiving (Internal TEMP (°C):	Use On Initial			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
egnroun		6/24/22	1292/	D	1		GEL.	and the same of the same	6/24 ₇		9595 Time	Correct pH: Yes No						
Relinquished by:	Employee#	Date	Inne		red by:	-	mployee		<u>, [27]</u>	മ		Preservative Lot#:			e es Senere E de se			
Relinquished by:	Employee#	Date	fime	Recei	red by:	E	mployee	#	Date	// 0>-	Time							
				l ,	V	<u>'</u>						Date/Time/Init for preserv	ative:					
□ MI □ Ag □ C □ Al □ F □ As □ K □ B □ L □ Ba □ M □ Be □ M □ Ca □ M □ Cd □ N □ Cc □ P	e ☐ Se ☐ Sn i ☐ Sr ig ☐ Ti in ☐ Tl io ☐ V ia ☐ Zn ii ☐ Hg	00 E TO	ients PPO4 S-N	MII BTEX Napthal THM/H VOC Oil & G E. Coli Total C pH Dissolv Dissolv Rad 220 Rad 220 PCB	AA rease oliform ed As ed Fe		Wallburger	astrin(a nr) IM 3C stal met duble M dustrin (Ca Moistri diffies I hiorides	ell als fetals ISO4) re		Coal Ultimate '' Moist '' Moist '' Sulfur '' BTUs '' Volatile '' CHN '' Other Tests: '' XRF Scan HGI Fineness Particulate Mo	Matter P% Moisture MPDES 198 Carbon Moisture MPDES 1901& Grease	ica io iii iii iiii iiiiiiiiiiiiiiiiiiii	salon edin cudity incorb Fi bicariy ed Ot babpe fetals	i Owni ture succe ed Cas i ini	oth.		

Cli	ient: (C)(C)			SD	SAMPLE RECEIPT & REVIEW FORM G/AR/COC/Work Order: 584105/4103/4102/4117/
Re	ceived By: MVH			1	te Received: Olo 12412022
	Carrier and Tracking Number				Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other
Sus	spected Hazard Information	Yes	N _o	*If	Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
4)S	Shipped as a DOT Hazardous?		X	Haz	ard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes No
	Did the client designate the samples are to be eived as radioactive?		X	co	C notation or radioactive stickers on containers equal client designation.
	Did the RSO classify the samples as joactive?		X	Ma	ximum Net Counts Observed* (Observed Counts - Area Background Counts):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
<u>)) </u>	Did the client designate samples are hazardous?		X	١	C notation or hazard labels on containers equal client designation. or E is yes, select Hazards below.
<u>:) I</u>	Did the RSO identify possible hazards?		X		PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	X			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within $(0 \le 6 \text{ deg. C})$?*	X			Preservation Method: Wet Ice Ree Packs Dry ice None Other: *all temperatures are recorded in Celsius *TEMP:
4	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: IR2-21 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?			X	Sample ID's and Containers Affected: If Preservation added, Lot#: 200-00-18P
7	Do any samples require Volatile Analysis?			X	If Yes, are Encores or Soil Kits present for solids? YesNoNA(If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? YesNoNA(If unknown, select No) Are liquid VOA vials free of headspace? YesNoNA Sample ID's and containers affected:
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
1	Number of containers received match number indicated on COC?	X			Circle Applicable: No container count on COC Other (describe)
2	Are sample containers identifiable as GEL provided by use of GEL labels?	- 10		X	
	COC form is properly signed in relinquished/received sections?	3			Circle Applicable: Not relinquished Other (describe)
13 Com	COC form is properly signed in	3			Circle Applicable: Not relinquished Other (describe)

List of current GEL Certifications as of 25 July 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122022-5
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2019–165
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
	SC000122021-36
Litah NIFI AD	1 MANNATE AND 10 10 10 10 10 10 10 10 10 10 10 10 10
Utah NELAP Vermont	The state of the s
Utah NELAP Vermont Virginia NELAP	VT87156 460202











PO Box 30712 Charleston, SC 29417 2040 Savage Road Charleston, SC 29407 P 843.556.8171 F 843.766.1178

gel.com

November 07, 2022

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

Re: ABS Lab Analytical Work Order: 598717

Dear Ms. Gilmetti:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 28, 2022. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

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

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

Sincerely,

Heather Millar for Julie Robinson Project Manager

Purchase Order: 398684

Enclosures



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

Certificate of Analysis Report for

SOOP001 Santee Cooper

Client SDG: 598717 GEL Work Order: 598717

The Qualifiers in this report are defined as follows:

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

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

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

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

	Eather Millarc	
Reviewed by	D. T. Control of the	

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

Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti ABS Lab Analytical Project:

Client Sample ID: AF47633 Sample ID: 598717001

Matrix: GW

Collect Date: 25-OCT-22 09:27 28-OCT-22 Receive Date: Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		2.16	+/-1.22	1.84	3.00	pCi/L		JE1	11/04/22	1016 2335631	1
Radium-226+Radium-22	28 Calculation	n "See Par	ent Products"								
Radium-226+228 Sum		2.90	+/-1.26			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	id "As Recei	ved"									
Radium-226		0.738	+/-0.348	0.371	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytica	al Methods w	ere perfor	med:								

Description EDA 004 0/SW84C 0220 Modified	Analyst Comm	ents
	1 mary St Commi	CIICS

EPA 904.0/SW846 9320 Modified

Calculation EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 91 (15%-125%)

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

Notes:

Column headers are defined as follows: DF: Dilution Factor Lc/LC: Critical Level DL: Detection Limit PF: Prep Factor RL: Reporting Limit MDA: Minimum Detectable Activity

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 3 of 35 SDG: 598717

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

Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Project:

Ms. Jeanette Gilmetti ABS Lab Analytical

Client Sample ID: AF47632

Sample ID:

598717002

Matrix:

GW

Collect Date:

25-OCT-22 10:34

Receive Date: Collector:

28-OCT-22 Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting										
GFPC, Ra228, Liquid '	'As Received"										
Radium-228	U	1.88	+/-1.26	1.97	3.00	pCi/L		JE1	11/04/22	1016 2335631	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		2.51	+/-1.30			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liq	uid "As Recei	ved"									
Radium-226		0.630	+/-0.337	0.438	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytic	cal Methods w	ere perfo	ormed:								
Method	Description					2	Analy:	st Comment	S		
1	EPA 904.0/SW	846 9320 1	Modified								

D 122 E	GED G D -000 T ' - '1 4 D ' - 1			07	(150/ 1050/)
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
3 EPA	3 903.1 Modified				

Barium-133 Tracer (15%-125%)GFPC, Ra228, Liquid "As Received" 86

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 RL: Reporting Limit MDA: Minimum Detectable Activity

Calculation

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 4 of 35 SDG: 598717

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

Certificate of Analysis

Report Date: November 7, 2022

SOOP00119

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47651 Sample ID: 598717003

Matrix: GW

Collect Date: 25-OCT-22 11:40
Receive Date: 28-OCT-22
Collector: Client

Calculation

'17003 Client ID: SOOP001

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time	e Batch	Method
Rad Gas Flow Proporti	onal Counting											
GFPC, Ra228, Liquid '	"As Received"											
Radium-228		4.02	+/-1.51	2.09	3.00	pCi/L		JE1	11/04/22	1016	2335631	1
Radium-226+Radium-2	228 Calculation	n "See Pa	arent Products"									
Radium-226+228 Sum		6.17	+/-1.61			pCi/L		NXL1	11/07/22	1238	2335629	2
Rad Radium-226												
Lucas Cell, Ra226, Liq	uid "As Recei	ved"										
Radium-226		2.15	+/-0.554	0.407	1.00	pCi/L		LXP1	11/06/22	0725	2335609	3
The following Analyti	cal Methods w	ere perfo	ormed:									
Method	Description					I	Analys	st Comment	s			
1	EPA 904.0/SW	846 9320 1	Modified				-					*

3 EPA	A 903.1 Modified				
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			82.3	(15%-125%)

Notes:

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

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 5 of 35 SDG: 598717

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

Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Project:

Ms. Jeanette Gilmetti ABS Lab Analytical

Client Sample ID: AF47650 Sample ID:

598717004

Matrix:

GW

Collect Date:

25-OCT-22 12:46 28-OCT-22

Receive Date: Collector:

Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Propo	rtional Counting										
GFPC, Ra228, Liqui	d "As Received"										
Radium-228		3.03	+/-1.68	2.59	3.00	pCi/L		Æ1	11/04/22	1016 2335631	1
Radium-226+Radiun	n-228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		3.77	+/-1.73			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, I	iquid "As Recei	ved"									
Radium-226		0.738	+/-0.405	0.542	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analy	tical Methods w	ere perfo	ormed:								
Method	Description						Analy:	st Comment	S		
1	EPA 904.0/SW	/846 9320 N	Modified								
2	Calculation										

3 EP	A 903.1 Modified				
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC, Ra228, Liquid "As Received"			78.8	(15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 6 of 35 SDG: 598717

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

Certificate of Analysis

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47649 Sample ID: 598717005

Matrix: GW

Collect Date: 25-OCT-22 14:11 Receive Date: 28-OCT-22 Collector:

Client

Project:

Client ID:

Analyst Comments

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	rst Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		6.11	+/-1.69	2.15	3.00	pCi/L		JE1	11/07/22	0917 2335631	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		6.68	+/-1.72			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.568	+/-0.305	0.368	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytic	al Methods w	ere perfo	rmed:								

Method Description

2 Ca	alculation				
3 EF	PA 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).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 7 of 35 SDG: 598717

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

Certificate of Analysis

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address:

P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47647 Sample ID: 598717006

Matrix: GW

Collect Date: 25-OCT-22 15:16 R C

somett Batt.	20 001 22 10:10		
Receive Date:	28-OCT-22		
Collector:	Client		

Project:

Client ID:

Parameter	Qualifier	Result	Uncertainty	MDC	KL	Units	PF	DF Analy	st Date	Time Bate	h Method
Rad Gas Flow Proportion	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		4.41	+/-2.08	2.96	3.00	pCi/L		Æ1	11/04/22	1405 23350	31 1
Radium-226+Radium-22	28 Calculation	ı "See Pa	rent Products"								
Radium-226+228 Sum		5.12	+/-2.11			pCi/L		NXL1	11/07/22	1238 2335	29 2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	id "As Receiv	red"									
Radium-226		0.708	+/-0.355	0.458	1.00	pCi/L		LXP1	11/06/22	0725 23350	509 3
The following Analytica	al Methods w	ere perfo	rmed:								
Method	Description					1	Analys	st Comment	S		

2	Calculation							
3	EPA 903.1 Modified							
Surrogate/Tracer Recov	ery 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).

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 8 of 35 SDG: 598717

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

Certificate of Analysis

Report Date: November 7, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47648 Sample ID: 598717007

Matrix: GW

Collect Date: 25-OCT-22 15:21
Receive Date: 28-OCT-22
Collector: Client

Project: SOOP00119 Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid ".	As Received"										
Radium-228		3.69	+/-1.59	2.32	3.00	pCi/L		JE1	11/04/22	1017 2335631	1
Radium-226+Radium-228 Calculation "See Parent Products"											
Radium-226+228 Sum		4.35	+/-1.63			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.665	+/-0.368	0.478	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytic	eal Methods w	ere perfo	rmed:								

Method	Description	Analyst Comments
1	EPA 904.0/SW846 9320 Modified	-

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

81.8 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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

Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: S Address: P

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47652 Sample ID: 598717008

Matrix: GW

Collect Date: 26-OCT-22 09:24
Receive Date: 28-OCT-22
Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	nal Counting										
GFPC, Ra228, Liquid "A	As Received"										
Radium-228		4.67	+/-1.48	1.87	3.00	pCi/L		JE1	11/07/22	0917 2335631	1
Radium-226+Radium-2	28 Calculatio	n "See Par	ent Products"								
Radium-226+228 Sum		6.04	+/-1.54			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"									
Radium-226		1.38	+/-0.421	0.405	1.00	pCi/L		LXP1	11/06/22	0725 2335609	3
The following Analytic	al Methods w	ere perfor	med:								
Method	Description					1	Analys	st Comment	S		

Method	Description	Analyst
1	EPA 904.0/SW846 9320 Modified	-
/=/	HISTORIA MATERIA A STATE A STA	

2 Calculation 3 EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

83.1 (15%-125%)

Notes:

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

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 7, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47646 Sample ID: 598717009

Matrix: GW

Collect Date: 26-OCT-22 10:30
Receive Date: 28-OCT-22
Collector: Client

Project: SOOP00119 Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting										
GFPC, Ra228, Liquid ".	As Received"										
Radium-228		2.13	+/-1.17	1.74	3.00	pCi/L		JE1	11/04/22	1017 2335631	1
Radium-226+Radium-2	28 Calculation	n "See Pa	arent Products"								
Radium-226+228 Sum		3.53	+/-1.25			pCi/L		NXL1	11/07/22	1238 2335629	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		1.40	+/-0.452	0.368	1.00	pCi/L		LXP1	11/06/22	0756 2335609	3
The following Analytic	al Methods w	ere perfo	ormed:								
Method	Description					u u	Analys	st Comment	S		
1	EPA 904.0/SW	846 9320 1	Modified								

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recov	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 84 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 7, 2022

Time Batch Method

Acceptable Limits

(15%-125%)

SOOP00119

SOOP001

DF Analyst Date

Recovery%

82.9

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Result Uncertainty

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47621 Sample ID: 598717010

Matrix: GW

Co Re Co

Oualifier

Collect Date:	26-OCT-22 11:47
Receive Date:	28-OCT-22
Collector:	Client

RL

MDC

Project:

Units

Result

Client ID:

PF

Nominal

Rad Gas Flow Prop	ortional Counting								
GFPC, Ra228, Liqu	ıid "As Received"								
Radium-228	2.62	+/-1.56	2.42	3.00	pCi/L	JE1	11/04/22	1017 2335631	1
Radium-226+Radiu	ım-228 Calculation "See Pare	ent Products"							
Radium-226+228 Sum	3.01	+/-1.57			pCi/L	NXL1	11/07/22	1238 2335629	2
Rad Radium-226									
Lucas Cell, Ra226,	Liquid "As Received"								
Radium-226	0.391	+/-0.219	0.214	1.00	pCi/L	LXP1	11/06/22	0756 2335609	3
The following Ana	lytical Methods were perforr	ned:							
Method	Description				Analy	st Comment	s		
1	EPA 904.0/SW846 9320 Mc	dified			-				
2	Calculation								
3	EPA 903.1 Modified								

Barium-133 Tracer Notes:

Surrogate/Tracer Recovery

Parameter

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

GFPC, Ra228, Liquid "As Received"

Column headers are defined as follows:

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

Test

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Project:

Ms. Jeanette Gilmetti ABS Lab Analytical

Client Sample ID: AF47630 Sample ID:

598717011

Matrix:

GW

Collect Date:

26-OCT-22 12:58 28-OCT-22

Receive Date: Collector:

Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	yst Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting	5									
GFPC, Ra228, Liquid	"As Received"										
Radium-228	U	2.19	+/-1.76	2.86	3.00	pCi/L		JE1	11/04/22	1403 2335632	1
Radium-226+Radium-	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		3.09	+/-1.79			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Lie	quid "As Recei	ved"									
Radium-226		0.898	+/-0.350	0.365	1.00	pCi/L		LXP1	11/06/22	0756 2335610	3
The following Analyt	ical Methods w	ere perfo	ormed:								
Method	Description						Analys	st Comment	S		
1	EPA 904.0/SW	/846 9320 I	Modified								

2 Calc	culation				
3 EPA	A 903.1 Modified				
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 82.6 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Project:

Ms. Jeanette Gilmetti ABS Lab Analytical

Client Sample ID: Sample ID:

AF47628 598717012

Matrix:

GW

Collect Date:

26-OCT-22 14:05

Receive Date: Collector:

28-OCT-22 Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proportion	onal Counting	5									
GFPC, Ra228, Liquid ".	As Received"										
Radium-228		4.81	+/-1.65	2.05	3.00	pCi/L		JE1	11/04/22	1403 2335632	1
Radium-226+Radium-2	28 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		5.64	+/-1.69			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Liqu	uid "As Recei	ved"									
Radium-226		0.832	+/-0.375	0.409	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analytic	al Methods w	ere perfo	ormed:								
Method	Description					I	Analys	st Comment	S		

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ery Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.8 (15%-125%)

Notes:

1

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Report Date: November 7, 2022

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47629 Sample ID: 598717013

Matrix: GW

Collect Date: 26-OCT-22 14:10 Receive Date: 28-OCT-22 Collector: Client

Project: SOOP00119 Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting										3
GFPC, Ra228, Liquid '	'As Received"										
Radium-228		4.75	+/-1.55	2.02	3.00	pCi/L		JE1	11/04/22	1134 2335632	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		5.27	+/-1.58			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Liq	uid "As Recei	ved"									
Radium-226		0.518	+/-0.287	0.354	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analyti	cal Methods w	ere perfo	rmed:								
Method	Description					1	Analys	st Comment	S		

D : 100 M	CERC P. 200 T I H. P III			02.5	(150/ 1050/)
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
	A 903.1 Modified				

GFPC, Ra228, Liquid "As Received" Barium-133 Tracer 83.5 (15%-125%)

Notes:

1

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

EPA 904.0/SW846 9320 Modified

Calculation

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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Certificate of Analysis

Report Date: November 7, 2022

SOOP00119

Company: Santee Cooper Address:

P.O. Box 2946101 OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47627 Sample ID: 598717014

Matrix: GW

Collect Date: 26-OCT-22 15:32 Receive Date: 28-OCT-22 Collector: Client

Client ID: SOOP001

Project:

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time	e Batch	Method
Rad Gas Flow Proportion	nal Counting											3.
GFPC, Ra228, Liquid "A	As Received"											
Radium-228		2.74	+/-1.32	1.93	3.00	pCi/L		JE1	11/04/22	1134	2335632	1
Radium-226+Radium-2	28 Calculation	n "See Pa	arent Products"									
Radium-226+228 Sum		3.76	+/-1.37			pCi/L		NXL1	11/07/22	1237	2335630	2
Rad Radium-226												
Lucas Cell, Ra226, Liqu	iid "As Recei	ved"										
Radium-226		1.02	+/-0.366	0.245	1.00	pCi/L		LXP1	11/06/22	0830	2335610	3
The following Analytic	al Methods w	ere perfo	ormed:									
Method	Description					Å	Analys	st Comments	5			
1	EPA 904.0/SW	846 9320 1	Modified									~
2	Calculation											

EPA 903.1 Modified Surrogate/Tracer Recovery Test Result Nominal Nominal Recovery% Acceptable Limits

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

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 88.4 (15%-125%)

Column headers are defined as follows:

Notes:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: November 7, 2022

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47626 Sample ID: 598717015

Matrix: GW

Collect Date: 27-OCT-22 09:41
Receive Date: 28-OCT-22
Collector: Client

Project: SOOP00119 Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proport	tional Counting	5									
GFPC, Ra228, Liquid	"As Received"										
Radium-228		4.92	+/-1.69	2.35	3.00	pCi/L		JE1	11/04/22	1134 2335632	1
Radium-226+Radium	-228 Calculatio	n "See Pa	rent Products"								
Radium-226+228 Sum		6.18	+/-1.74			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Li	quid "As Recei	ved"									
Radium-226		1.26	+/-0.423	0.319	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analyt	ical Methods w	ere perfo	rmed:								
Method	Description					1	Analys	st Comment	S		

2	Calculation				
3	EPA 903.1 Modified				
Surrogate/Tracer Recove	ry Test	Result	Nominal	Recovery%	Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received"

85.8 (15%-125%)

Notes:

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/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

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47625 Sample ID: 598717016

Matrix: GW

Collect Date: 27-OCT-22 11:01 Receive Date: 28-OCT-22 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting	5									
GFPC, Ra228, Liquid	"As Received"										
Radium-228		2.32	+/-1.27	1.88	3.00	pCi/L		Æ1	11/04/22	1134 2335632	1
Radium-226+Radium-											
Radium-226+228 Sum		3.90	+/-1.33			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Lie	quid "As Recei	ved"									
Radium-226		1.58	+/-0.422	0.217	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analyt											
Method	Description		Analyst Comments								

4	ED A 004 0/931946 0220 Modified	.
Method	Description	Analyst Commer

EPA 904.0/SW846 9320 Modified 2 Calculation

EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.8 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

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

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Project:

Ms. Jeanette Gilmetti ABS Lab Analytical

Client Sample ID: AF47624 Sample ID:

598717017

Matrix:

GW

Collect Date:

27-OCT-22 12:15

Receive Date: Collector:

28-OCT-22 Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy:	st Date	Time Batch	Method
Rad Gas Flow Proporti	onal Counting	5									
GFPC, Ra228, Liquid '	'As Received"										
Radium-228		12.9	+/-1.93	1.55	3.00	pCi/L		JE1	11/07/22	0919 2335632	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"								
Radium-226+228 Sum		19.4	+/-2.11			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Liq	uid "As Recei	ved"									
Radium-226		6.45	+/-0.837	0.305	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analyti	cal Methods w	ere perfo	ormed:								
Method	Description					1	Analy:	st Comments	5		
1	EPA 904.0/SW	/846 9320 I	Modified								

- 10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	AND THE PERSON AND THE PERSON AND AND AND AND AND AND AND AND AND AN			24232	60 2 ann an 2 ann an
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
3 EP/	A 903.1 Modified				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 88.3 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

Calculation

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

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Project:

Ms. Jeanette Gilmetti ABS Lab Analytical

Client Sample ID: AF47623

598717018

Sample ID: Matrix:

GW

Collect Date:

27-OCT-22 13:24 28-OCT-22

Receive Date: Collector:

Client

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Proport	ional Counting	7									
GFPC, Ra228, Liquid	"As Received"	l.									
Radium-228		1.92	+/-1.23	1.88	3.00	pCi/L		JE1	11/04/22	1135 2335632	1
Radium-226+Radium-	228 Calculation	n "See Pa	rent Products"								
Radium-226+228 Sum		2.56	+/-1.27			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226, Lie	quid "As Recei	ived"									
Radium-226	±56	0.641	+/-0.344	0.430	1.00	pCi/L		LXP1	11/06/22	0830 2335610	3
The following Analyt	ical Methods w	vere perfo	rmed:								
Method	Description		Analyst Comments								
1	EPA 904.0/SW	V846 9320 N	Iodified								*

	processing the tenter tests of the test of the				(4 50 (4 5 50 ()
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
	903.1 Modified				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 81.3 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

Calculation

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

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

Certificate of Analysis

Report Date: November 7, 2022

SOOP00119

Company: Santee Cooper Address: P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47622 Sample ID: 598717019

Matrix: GW

Collect Date: 27-OCT-22 14:46 Receive Date: 28-OCT-22 Client Collector:

Project: Client ID: SOOP001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time	Batch	Method
Rad Gas Flow Proporti	onal Counting											3.
GFPC, Ra228, Liquid'	'As Received"											
Radium-228	U	1.51	+/-1.34	2.16	3.00	pCi/L		JE1	11/04/22	1404	2335632	1
Radium-226+Radium-2	228 Calculatio	n "See Pa	arent Products"			**************************************						
Radium-226+228 Sum		2.29	+/-1.38			pCi/L		NXL1	11/07/22	1237	2335630	2
Rad Radium-226												
Lucas Cell, Ra226, Liq	uid "As Recei	ved"										
Radium-226		0.777	+/-0.335	0.372	1.00	pCi/L		LXP1	11/06/22	0830	2335610	3
The following Analyti	cal Methods w	ere perfo	ormed:									
Method	Description					Å	Analys	st Comment:	S			
1	EPA 904.0/SW	846 9320 1	Modified									
2	Calculation											

EPA 903.1 Modified

Nominal Nominal Surrogate/Tracer Recovery Test Result Recovery% Acceptable Limits Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 85.1 (15%-125%)

Notes:

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

Column headers are defined as follows:

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

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 21 of 35 SDG: 598717

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

Certificate of Analysis

Project:

Client ID:

Report Date: November 7, 2022

SOOP00119

SOOP001

Company: SAddress:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47659 Sample ID: 598717020

Matrix: GW

Collect Date: 27-OCT-22 15:56
Receive Date: 28-OCT-22
Collector: Client

Parameter	Qualifier	Result U	Uncertainty	MDC	RL	Units	PF	DF Analy	st Date	Time Batch	Method
Rad Gas Flow Pro	portional Counting	5	15 V								
GFPC, Ra228, Lic	quid "As Received"										
Radium-228	The property of the state of th	3.00	+/-1.29	1.84	3.00	pCi/L		JE1	11/04/22	1135 2335632	1
Radium-226+Radi	ium-228 Calculatio	n "See Par	ent Products"			64 - 10 20 000 1 CON					
Radium-226+228 Sum		4.08	+/-1.35			pCi/L		NXL1	11/07/22	1237 2335630	2
Rad Radium-226											
Lucas Cell, Ra226	, Liquid "As Recei	ved"									
Radium-226		1.09	+/-0.380	0.297	1.00	pCi/L		LXP1	11/06/22	0902 2335610	3
The following An	alytical Methods w	vere perfori	med:								
Method	Description	Š				3/	Analys	st Comment	S		

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
3 EPA	903.1 Modified				
2 Care	uration				

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 87.5 (15%-125%)

Notes:

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor

DL: Detection Limit

MDA: Minimum Detectable Activity

Lc/LC: Critical Level

PF: Prep Factor

RL: Reporting Limit

MDC: Minimum Detectable Concentration SQL: Sample Quantitation Limit

Page 22 of 35 SDG: 598717

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Certificate of Analysis

Report Date: November 7, 2022

3

SOOP00119

SOOP001

Company: Address:

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina 29461

Contact: Ms. Jeanette Gilmetti Project: ABS Lab Analytical

Client Sample ID: AF47660 Sample ID: 598717021

Matrix: GW

Collect Date: 27-OCT-22 16:01 Receive Date: 28-OCT-22 Client Collector:

Oualifier Result Uncertainty MDC RLUnits PF Time Batch Method DF Analyst Date Rad Gas Flow Proportional Counting GFPC, Ra228, Liquid "As Received"

Project:

Client ID:

Analyst Comments

Radium-228 3.29 +/-1.46 2.15 3.00 pCi/L 11/04/22 1135 2335632 Radium-226+Radium-228 Calculation "See Parent Products" Radium-226+228 Sum +/-1.49 pCi/L NXL1 11/07/22 1237 2335630

Rad Radium-226

Lucas Cell, Ra226, Liquid "As Received"

Radium-226 0.443 +/-0.277 0.371 1.00 pCi/L LXP1 11/06/22 0902 2335610

The following Analytical Methods were performed: Method Description

2 Calculation EPA 903.1 Modified

Surrogate/Tracer Recovery Test Result Nominal Recovery% Acceptable Limits

Barium-133 Tracer GFPC, Ra228, Liquid "As Received" 87.6 (15%-125%)

Notes:

1

Parameter

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

EPA 904.0/SW846 9320 Modified

Column headers are defined as follows:

DF: Dilution Factor Lc/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

QC Summary

Report Date: November 7, 2022

Page 1 of 3

Santee Cooper P.O. Box 2946101

OCO3

Moncks Corner, South Carolina

Contact: Ms. Jeanette Gilmetti

Workorder: 598717

Parmname	NOM	Sample (QC QC	Units	RPD%	REC%	Range Anlst	Date Time
Rad Gas Flow Batch 2335631								
QC1205230990 598717001 DUP								
Radium-228	TT	2.16	2.10	pCi/L	3		(0% - 100%) JE	1 11/04/22 10:40
	Uncertainty	+/-1.22	+/-1.09					
QC1205230991 LCS								
Radium-228	65.4		50.4	pCi/L		77.1	(75%-125%)	11/04/22 10:40
	Uncertainty		+/-3.79					
QC1205230989 MB								
Radium-228			U 0.227	pCi/L				11/04/22 10:40
	Uncertainty		+/-1.03					
Batch 2335632 ——								
QC1205230993 598717011 DUP								
Radium-228	U	2.19	U 0.260	pCi/L	N/A		N/A JE	1 11/04/22 11:34
	Uncertainty	+/-1.76	+/-1.00					
QC1205230994 LCS								
Radium-228	65.6		63.1	pCi/L		96.3	(75%-125%)	11/04/22 11:34
	Uncertainty		+/-3.95					
QC1205230992 MB								
Radium-228			U 0.0260	pCi/L				11/04/22 14:03
	Uncertainty		+/-1.43	■ workerstand				
Rad Ra-226 Batch 2335609 ———								
QC1205230921 598717001 DUP								
Radium-226		0.738	1.13	pCi/L	42.2		(0% - 100%) LXP	1 11/06/22 07:56
	Uncertainty	+/-0.348	+/-0.386					
QC1205230923 LCS								
Radium-226	26.6		22.3	pCi/L		83.9	(75%-125%)	11/06/22 07:56
	Uncertainty		+/-1.64					
OC1205230920 MB								
QC1205230920 MB Radium-226			U 0.437	pCi/L				11/06/22 07:56
	Uncertainty		+/-0.308	1 (422-79-25)				

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QC Summary

Workorder: 598717 Page 2 of 3 **Parmname** NOM Sample Qual QC Units RPD% REC% Range Anlst Date Time Rad Ra-226 2335609 Batch QC1205230922 598717001 MS 130 0.738 135 pCi/L (75%-125%) LXP1 11/06/22 07:56 Radium-226 103 +/-8.59 Uncertainty +/-0.348Batch 2335610 QC1205230925 598717011 DUP Radium-226 0.898 0.779 pCi/L 14.2 (0% - 100%) LXP1 11/06/22 09:02 +/-0.350+/-0.392 Uncertainty LCS QC1205230927 pCi/L Radium-226 26.5 21.3 80.1 (75%-125%) 11/06/22 09:02 Uncertainty +/-1.54QC1205230928 LCSD 25.1 pCi/L Radium-226 26.5 16.6 94.6 (0%-20%)11/06/22 09:02 Uncertainty +/-1.80 QC1205230924 MB U Radium-226 0.304 pCi/L 11/06/22 09:02 Uncertainty +/-0.292QC1205230926 598717011 MS Radium-226 131 0.898 116 pCi/L 88.1 (75%-125%) 11/06/22 09:02

+/-8.03

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a Tracer compound
- < Result is less than value reported
- > Result is greater than value reported
- BD Results are either below the MDC or tracer recovery is low
- FA Failed analysis.
- H Analytical holding time was exceeded
- J See case narrative for an explanation
- J Value is estimated
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.

Uncertainty

 $\pm /-0.350$

- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M REMP Result > MDC/CL and < RDL
- N/A RPD or %Recovery limits do not apply.

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QC Summary

Workorder: 598717 Page 3 of 3 Danmana NIONE Sample Qual T1--24--DECO

Parmna	me NOM Sample Qual QC Units RPD% REC% Range Anist Date Time
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
UI	Gamma SpectroscopyUncertain identification
UJ	Gamma SpectroscopyUncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Λ

RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

Y

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable. ^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where the duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

* Indicates that a Quality Control parameter was not within specifications.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Other specific qualifiers were required to properly define the results. Consult case narrative.

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.

Page 26 of 35 SDG: 598717

Radiochemistry Technical Case Narrative Santee Cooper SDG #: 598717

Product: GFPC, Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified Analytical Procedure: GL-RAD-A-063 REV# 5

Analytical Batch: 2335631

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

GEL Sample ID#	Client Sample Identification
598717001	AF47633
598717002	AF47632
598717003	AF47651
598717004	AF47650
598717005	AF47649
598717006	AF47647
598717007	AF47648
598717008	AF47652
598717009	AF47646
598717010	AF47621
1205230989	Method Blank (MB)
1205230990	598717001(AF47633) Sample Duplicate (DUP)
1205230991	Laboratory Control Sample (LCS)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts

Sample 598717006 (AF47647) was recounted to verify sample results. Recount is reported. Samples 598717005 (AF47649) and 598717008 (AF47652) were re-eluted and recounted to verify sample results. The recounts are reported.

Product: GFPC, Ra228, Liquid

<u>Analytical Method:</u> EPA 904.0/SW846 9320 Modified <u>Analytical Procedure:</u> GL-RAD-A-063 REV# 5

Analytical Batch: 2335632

Page 27 of 35 SDG: 598717

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

GEL Sample ID#	Client Sample Identification
598717011	AF47630
598717012	AF47628
598717013	AF47629
598717014	AF47627
598717015	AF47626
598717016	AF47625
598717017	AF47624
598717018	AF47623
598717019	AF47622
598717020	AF47659
598717021	AF47660
1205230992	Method Blank (MB)
1205230993	598717011(AF47630) Sample Duplicate (DUP)
1205230994	Laboratory Control Sample (LCS)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Technical Information

Recounts

Sample 1205230992 (MB) was recounted due to a suspected blank false positive. The recount is reported. Samples 598717011 (AF47630), 598717012 (AF47628) and 598717019 (AF47622) were recounted due to a suspected false positive. The recounts are reported. Sample 598717017 (AF47624) was re-eluted and recounted to verify sample result. The recount is reported.

Product: Lucas Cell, Ra226, Liquid Analytical Method: EPA 903.1 Modified

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

Analytical Batch: 2335609

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

GEL Sample ID#	Client Sample Identification
598717001	AF47633
598717002	AF47632
598717003	AF47651
598717004	AF47650
598717005	AF47649
598717006	AF47647
598717007	AF47648
598717008	AF47652
598717009	AF47646
598717010	AF47621

Page 28 of 35 SDG: 598717

1205230920	Method Blank (MB)
1205230921	598717001(AF47633) Sample Duplicate (DUP)
1205230922	598717001(AF47633) Matrix Spike (MS)
1205230923	Laboratory Control Sample (LCS)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Additional Comments

The matrix spike, 1205230922 (AF47633MS), aliquot was reduced to conserve sample volume.

<u>Product:</u> Lucas Cell, Ra226, Liquid <u>Analytical Method:</u> EPA 903.1 Modified

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

Analytical Batch: 2335610

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

GEL Sample ID#	Client Sample Identification
598717011	AF47630
598717012	AF47628
598717013	AF47629
598717014	AF47627
598717015	AF47626
598717016	AF47625
598717017	AF47624
598717018	AF47623
598717019	AF47622
598717020	AF47659
598717021	AF47660
1205230924	Method Blank (MB)
1205230925	598717011(AF47630) Sample Duplicate (DUP)
1205230926	598717011(AF47630) Matrix Spike (MS)
1205230927	Laboratory Control Sample (LCS)
1205230928	Laboratory Control Sample Duplicate (LCSD)

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

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Miscellaneous Information

Page 29 of 35 SDG: 598717

Additional Comments

The matrix spike, 1205230926 (AF47630MS), aliquot was reduced to conserve sample volume.

Certification Statement

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

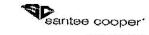
Page 30 of 35 SDG: 598717

Contract Lab Info: _

Contract Lab Due Date (Lab Only):_

2.2. Send report to <u>lcwillia@santeecooper.com</u> & <u>sibrown@santeecooper.com</u>

Chain of Custody

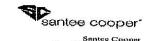


Santee Cooper One Riverwood Drive Moneks Corner, SC 29461 Phone: (843)761-8000 Ext. 5148 Fax: (843)761-4175

30 30 30 30 30 30 30 30 30 30 30 30 30 3	Sample Location Sample Location Description		Collection Date	Collection Time	Sample Collector	Total # of containers	1 . 1		I	ļ		/_36500 Yes		<u>ınalysi</u>	s Grou	D ~
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(Internal use only) AF47633 AF47632	PM−1	on/	-	Collection Time	mple Collector	containers	(Glass-		(Mc	a,		Comments		r	पि	
AF47632.					S.	Total#of	Bottle type: (Glass- G/Plastic-P)	Grab (G) or Composite (C)	Matrix(see below)	Preservative (see	RepMiss	hod # orting limit c. sample info other notes	SALFIDE	Tac/Dac	FORM RED GALL RED 226/228	TOTAL, BICARB, CATB
20 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12	CBW-I		10/25/22	0927	WK	5 7	P ₄	G	GW	Y*-7	SULFIDE TOC H	5 140H LSO4	t	2	2.	1
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Contract Lab Info:	GEL	Contract Lab Due Date (Lab Only):_	11	/_	7/	22	Send report to icwillia@santeecooper.com & sibrown@santeecooper.com
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Chain of Custody



Customer	Email,	Report Reci	Date R	esults Ne		P	roject,	/Task	c/Uni	F	Rerun request for any flagged QC								
LINDA. V	VILLEM	MS_@sante	ecooper.com		' <i>.</i>			125	715	<u>/</u> _J\	102.	. ୦୩.	6ø1.1	136500	_ Yes	No			
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Chain of Custody



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

Customer Email/Report Recipient:					Date R	esults Ne	y:		Pr	oject/	Task/	Unit #:	Reru	ın request	for ar	ıy fla	gged	l QC		
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Í	eimquish	ed by:		Employee#	Date	firme	Receiv	ed by:	E	mployee		Date		Time				16.		Ì
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GEU Laboratories u.c.

SAMPLE RECEIPT & REVIEW FORM

Client: SCOP			SDG/AR/COC/Work Order: 598717
Received By: StacyBoone			Date Received: 10/28/22
Carrier and Tracking Number			Circle Applicable: FedEx Express FedEx Ground UPS Field Services Courier Other
Suspected Hazard Information	Yes	No	
		~	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation. Hazard Class Shipped: UN#:
A)Shipped as a DOT Hazardous?		_	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):CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Did the client designate samples are hazardous?		A	COC notation or hazard labels on containers equal client designation.
E) Did the RSO identify possible hazards?		/	If D or E is yes, select Hazards below. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:
Sample Receipt Criteria	8	NA	Comments/Qualifiers (Required for Non-Conforming Items)
Shipping containers received intact and sealed?			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Chain of custody documents included with shipment?			Circle Applicable: Client contacted and provided COC COC created upon receipt
3 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP:
4 Daily check performed and passed on IR temperature gun?		1	Temperature Device Serial #: JRd-22 Secondary Temperature Device Serial # (If Applicable):
5 Sample containers intact and sealed?			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6 Samples requiring chemical preservation at proper pH?	7		Sample ID's and Containers Affected: If Preservation added, Lot#:
7 Do any samples require Volatile Analysis?		(1) 1000	If Yes, are Encores or Soil Kits present for solids? Yes No NA (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes No NA (If unknown, select No) Are liquid VOA vials free of headspace? Yes No NA Sample ID's and containers affected:
8 Samples received within holding time?		学品を	ID's and tests affected:
9 Sample ID's on COC match ID's on botties?	1		ID's and containers affected:
10 Date & time on COC match date & time on bottles?	1		Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11 Number of containers received match number indicated on COC?		100	Circle Applicable: No container count on COC Other (describe)
Are sample containers identifiable as GEL provided by use of GEL labels?			
13 COC form is properly signed in relinquished/received sections?		4	Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):			

Page 34 of 35 SDG: 598717 (or PMA) review: Initials

Date 10/28/22 Page 1 of 1

List of current GEL Certifications as of 07 November 2022

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122023-3
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2022–160
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122022-37
Vermont	VT87156
Virginia NELAP	460202
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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/22/2022 6:01:28 PM

JOB DESCRIPTION

125915/JM02.09.G01.1/36500

JOB NUMBER

680-224844-1

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Case Narrative

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

Job ID: 680-224844-1

Job ID: 680-224844-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-224844-1

Receipt

The samples were received on 11/5/2022 11:38 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 20.6°C

Metals

Method 6020A: preparation batch 160-589629 and 160-589630 and analytical batch 160-590226 The following samples were diluted to bring the concentration of target analytes within the calibration range: AF47627 (680-224844-14), AF47626 (680-224844-15) and AF47658 (680-224844-34). Elevated reporting limits (RLs) are provided.

Method 6020B: preparation batch 160-589627 Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: AF47633 (680-224844-1), AF47632 (680-224844-2), AF47628 (680-224844-12), (680-224844-A-2 MSD).

Method 6020B: preparation batch 160-589628 Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: AF47660 (680-224844-21), AF47635 (680-224844-24), (680-224844-A-24 MS) and (680-224844-A-24 MSD).

Method 6020B: preparation batch 160-589629 Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: AF47654 (680-224844-41).

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

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Sample Summary

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

Job ID: 680-224844-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
680-224844-1	AF47633	Water	10/25/22 09:27	11/05/22 11:38	
680-224844-2	AF47632	Water	10/25/22 10:34	11/05/22 11:38	
680-224844-3	AF47651	Water	10/25/22 11:10	11/05/22 11:38	
680-224844-4	AF47650	Water	10/25/22 12:46	11/05/22 11:38	
680-224844-5	AF47649	Water	10/25/22 14:11	11/05/22 11:38	
680-224844-6	AF47647	Water	10/25/22 15:16	11/05/22 11:38	
680-224844-7	AF47648	Water	10/25/22 15:21	11/05/22 11:38	
680-224844-8	AF47652	Water	10/26/22 09:24	11/05/22 11:38	
680-224844-9	AF47646	Water	10/26/22 10:30	11/05/22 11:38	
680-224844-10	AF47621	Water	10/26/22 11:47	11/05/22 11:38	
680-224844-11	AF47630	Water	10/26/22 12:58	11/05/22 11:38	
680-224844-12	AF47628	Water	10/26/22 14:05	11/05/22 11:38	
680-224844-13	AF47629	Water	10/26/22 14:10	11/05/22 11:38	
680-224844-14	AF47627	Water	10/26/22 15:32	11/05/22 11:38	
680-224844-15	AF47626	Water	10/27/22 09:41	11/05/22 11:38	
680-224844-16	AF47625	Water	10/27/22 11:01	11/05/22 11:38	
680-224844-17	AF47624	Water	10/27/22 12:15	11/05/22 11:38	
680-224844-18	AF47623	Water	10/27/22 13:24	11/05/22 11:38	
680-224844-19	AF47622	Water	10/27/22 14:46	11/05/22 11:38	
680-224844-20	AF47659	Water	10/27/22 15:56	11/05/22 11:38	
680-224844-21	AF47660	Water	10/27/22 16:01	11/05/22 11:38	
680-224844-22	AF47661	Water	10/31/22 10:13	11/05/22 11:38	
680-224844-23	AF47634	Water	10/31/22 11:27	11/05/22 11:38	
680-224844-24	AF47635	Water	10/31/22 11:32	11/05/22 11:38	
680-224844-25	AF47636	Water	10/31/22 12:40	11/05/22 11:38	
680-224844-26	AF47637	Water	10/31/22 13:42	11/05/22 11:38	
680-224844-27	AF47638	Water	10/31/22 14:32	11/05/22 11:38	
680-224844-28	AF47643	Water	11/02/22 09:42	11/05/22 11:38	
680-224844-29	AF47644	Water	11/02/22 09:47	11/05/22 11:38	
680-224844-30	AF47631	Water	11/02/22 11:02	11/05/22 11:38	
680-224844-31	AF47655	Water	11/02/22 12:32	11/05/22 11:38	
680-224844-32	AF47662	Water	11/02/22 13:51	11/05/22 11:38	
680-224844-33	AF47663	Water	11/02/22 14:52	11/05/22 11:38	
680-224844-34	AF47658	Water	11/02/22 16:00	11/05/22 11:38	
680-224844-35	AF47639	Water	11/01/22 10:13	11/05/22 11:38	
680-224844-36	AF47645	Water	11/01/22 11:29	11/05/22 11:38	
680-224844-37	AF47641	Water	11/01/22 12:28	11/05/22 11:38	
680-224844-38	AF47642	Water	11/01/22 14:06	11/05/22 11:38	
680-224844-39	AF47640	Water	11/01/22 15:15	11/05/22 11:38	
680-224844-40	AF47653	Water	11/03/22 10:03	11/05/22 11:38	
680-224844-41	AF47654	Water	11/03/22 11:04	11/05/22 11:38	
680-224844-42	AF47657	Water	11/03/22 12:20	11/05/22 11:38	
680-224844-43	AF47664	Water	11/03/22 13:44	11/05/22 11:38	
680-224844-44	AF47656	Water	11/03/22 14:49	11/05/22 11:38	

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Method Summary

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

Job ID: 680-224844-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SAV
6020A	Metals (ICP/MS)	SW846	EET SL
6020B	Metals (ICP/MS)	SW846	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SL
3010A	Preparation, Total Metals	SW846	EET SL

Protocol References:

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

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858 EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Definitions/Glossary

Client: South Carolina Public Service Authority

Project/Site: 125915/JM02.09.G01.1/36500

Job ID: 680-224844-1

Qualifiers

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NC

ND

NEG

POS

PQL

QC

RL RPD

TEF

TEQ

TNTC

RER

PRES

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Qualifier	Qualifier Description	
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not	
	applicable.	
11	Indicates the analyte was analyzed for but not detected	

	Number right, stock in control access (** Control of American
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
a	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

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Eurofins Savannah

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

Client Sample ID: AF47633

Job ID: 680-224844-1

Lab Sample ID: 680-224844-1

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	13100	500	*	ug/L			6010D	Total
								Recoverable
Iron	10900	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	647	500		ug/L	1		6010D	Total
								Recoverable
Sodium	5680	2000		ug/L	1		6010D	Total
								Recoverable
Cobalt	3.42	2.00		ug/L	2		6020A	Dissolved
Manganese	13.0	5.00		ug/L	2		6020A	Dissolved
Lithium	6.06	5.00		ug/L	2		6020A	Dissolved
Iron	10900	50.0		ug/L	2		6020A	Dissolved
Barium	85.1	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	1.89	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	12.9	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47632

Lab Sample ID: 680-224844-2

500 500 2000		ug/L ug/L ug/L	1 1		6010D 6010D 6010D	Total Recoverable Total Recoverable Total
2000		5 75 00	1			Total Recoverable
2000		5 75 00	1			Recoverable
		ug/L	į		60100	
		ug/L	1		6010D	Total
					00100	Total
						Recoverable
5.00		ug/L	2		6020A	Dissolved
50.0		ug/L	2		6020A	Dissolved
5.00		ug/L	1		6020B	Total
						Recoverable
0.500		ug/L	1		6020B	Total
						Recoverable
2.50		ug/L	1		6020B	Total
						Recoverable
5.00		ug/L	1		6020B	Total
	50.0 5.00 0.500 2.50	50.0 5.00 0.500 2.50	50.0 ug/L 5.00 ug/L 0.500 ug/L 2.50 ug/L	50.0 ug/L 2 5.00 ug/L 1 0.500 ug/L 1 2.50 ug/L 1	50.0 ug/L 2 5.00 ug/L 1 0.500 ug/L 1 2.50 ug/L 1	50.0 ug/L 2 6020A 5.00 ug/L 1 6020B 0.500 ug/L 1 6020B 2.50 ug/L 1 6020B

Client Sample ID: AF47651

Lab Sample ID: 680-224844-3

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	370000	500		ug/L		_	6010D	Total
								Recoverable
Iron	30400	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	13100	500		ug/L	1		6010D	Total
								Recoverable
Potassium	1830	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	87000	2000		ug/L	1		6010D	Total
								Recoverable
Beryllium	24.8	0.500		ug/L	2		6020A	Dissolved
Cobalt	133	2.00		ug/L	2		6020A	Dissolved
Manganese	140	5.00		ug/L	2		6020A	Dissolved
Lithium	106	5.00		ug/L	2		6020A	Dissolved
Iron	33500	50.0		ug/L	2		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

Page 7 of 121

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

Job ID: 680-224844-1

Client Sample ID: AF47651 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	465	·	5.00		ug/L	1	-	6020B	Total
									Recoverable
Beryllium	27.0		0.500		ug/L	1		6020B	Total
									Recoverable
Cadmium	0.580		0.500		ug/L	1		6020B	Total
									Recoverable
Cobalt	156		0.500		ug/L	1		6020B	Total
									Recoverable
Lead	2.85		2.50		ug/L	1		6020B	Total
									Recoverable
Manganese	162		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47650

Lab Sample ID: 680-224844-4

Lab Sample ID: 680-224844-3

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	231000	500		ug/L	1		6010D	Total
								Recoverable
Iron	81000	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	12000	500		ug/L	1		6010D	Total
		NA DESPISADO DO DESCRIPCIDOS DOS						Recoverable
Potassium	2460	1000		ug/L	1		6010D	Total
	2770	0000		2022			20125	Recoverable
Sodium	67700	2000		ug/L	1		6010D	Total
Beryllium	16.4	0.500		um/l	2		6020A	Recoverable Dissolved
				ug/L				
Cobalt	38.1	2.00		ug/L	2		6020A	Dissolved
Manganese	280	5.00		ug/L	2		6020A	Dissolved
Lithium	54.5	5.00		ug/L	2		6020A	Dissolved
Iron	86500	50.0		ug/L	2		6020A	Dissolved
Selenium	8.56	5.00		ug/L	2		6020B	Total/NA
Arsenic	4.10	3.00		ug/L	1		6020B	Total
								Recoverable
Barium	30.6	5.00		ug/L	1		6020B	Total
								Recoverable
Beryllium	18.8	0.500		ug/L	1		6020B	Total
								Recoverable
Cadmium	0.805	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	41.5	0.500		ug/L	1		6020B	Total
Lead	40.4	2.50		/I			6020B	Recoverable Total
Leau	13.4	2.50		ug/L	1		0020B	lotal Recoverable
Manganese	316	5.00		ug/L	1		6020B	Recoverable Total
wanganese	310	5.00		ug/L			0020B	rotai Recoverable

Client Sample ID: AF47649

Lab Sample ID: 680-224844-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	415000	·	500		ug/L			6010D	Total
									Recoverable
Iron	171000		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	20600		500		ug/L	1		6010D	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

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

Client Sample ID: AF47649 (Continued)

Lab Sample ID: 680-224844-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	2300	-	1000		ug/L		-	6010D	Total
									Recoverable
Sodium	73300		2000		ug/L	1		6010D	Total
									Recoverable
Beryllium	30.8		0.500		ug/L	2		6020A	Dissolved
Cobalt	82.8		2.00		ug/L	2		6020A	Dissolved
Manganese	411		5.00		ug/L	2		6020A	Dissolved
Lithium	65.1		5.00		ug/L	2		6020A	Dissolved
Iron	192000		50.0		ug/L	2		6020A	Dissolved
Selenium	18.9		5.00		ug/L	2		6020B	Total/NA
Arsenic	6.53		3.00		ug/L	1		6020B	Total
					17731				Recoverable
Barium	42.2		5.00		ug/L	1		6020B	Total
									Recoverable
Beryllium	34.5		0.500		ug/L	1		6020B	Total
									Recoverable
Cadmium	1.87		0.500		ug/L	1		6020B	Total
									Recoverable
Chromium	8.79		5.00		ug/L	1		6020B	Total
Calcula	05.0		0.500		recover			00000	Recoverable
Cobalt	95.6		0.500		ug/L	1		6020B	Total
Lead	29.8		2.50		ug/L	1		6020B	Recoverable Total
Leau	25.6		2.50		ug/L			00200	Recoverable
Manganese	471		5.00		ug/L	1		6020B	Total
Manganese	77.1		3.00		ug/ L			00200	Recoverable

Client Sample ID: AF47647

Lab Sample ID: 680-224844-6

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	214000	500		ug/L	1	_	6010D	Total
								Recoverable
Iron	63500	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	18600	500		ug/L	1		6010D	Total
								Recoverable
Potassium	2350	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	8250	2000		ug/L	1		6010D	Total
								Recoverable
Beryllium	3.74	0.500		ug/L	2		6020A	Dissolved
Cobalt	19.4	2.00		ug/L	2		6020A	Dissolved
Manganese	289	5.00		ug/L	2		6020A	Dissolved
Lithium	15.1	5.00		ug/L	2		6020A	Dissolved
Iron	71400	50.0		ug/L	2		6020A	Dissolved
Selenium	27.3	5.00		ug/L	2		6020B	Total/NA
Barium	18.3	5.00		ug/L	1		6020B	Total
				(Fig. 6)				Recoverable
Beryllium	4.32	0.500		ug/L	1		6020B	Total
								Recoverable
Cadmium	1.38	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	21.5	0.500		ug/L	1		6020B	Total
								Recoverable
Lead	25.1	2.50		ug/L	1		6020B	Total
								Recoverable

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11/22/2022

Job ID: 680-224844-1

Detection Summary

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

Client Sample ID: AF47647 (Continued)

Job ID: 680-224844-1

Lab Sample ID: 680-224844-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	325		5.00		ug/L			6020B	Total
									Recoverable

Client Sample ID: AF47648 Lab Sample ID: 680-224844-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	213000		500		ug/L	1		6010D	Total
									Recoverable
Iron	62800		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	18600		500		ug/L	1		6010D	Total
									Recoverable
Potassium	2310		1000		ug/L	1		6010D	Total
									Recoverable
Sodium	8230		2000		ug/L	1		6010D	Total
w	U 200					-		New Autority of	Recoverable
Beryllium	3.71		0.500		ug/L	2		6020A	Dissolved
Cobalt	18.7		2.00		ug/L	2		6020A	Dissolved
Manganese	284		5.00		ug/L	2		6020A	Dissolved
Lithium	15.3		5.00		ug/L	2		6020A	Dissolved
Iron	68100		50.0		ug/L	2		6020A	Dissolved
Selenium	28.0		5.00		ug/L	2		6020B	Total/NA
Barium	17.8		5.00		ug/L	1		6020B	Total
									Recoverable
Beryllium	4.00		0.500		ug/L	1		6020B	Total
									Recoverable
Cadmium	1.72		0.500		ug/L	1		6020B	Total
									Recoverable
Cobalt	20.4		0.500		ug/L	1		6020B	Total
									Recoverable
Lead	24.3		2.50		ug/L	1		6020B	Total
									Recoverable
Manganese	314		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47652

Lab Sample ID: 680-224844-8

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	320000	500	-	ug/L		_	6010D	Total
								Recoverable
Iron	114000	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	68200	5000		ug/L	10		6010D	Total
								Recoverable
Potassium	4210	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	80200	20000		ug/L	10		6010D	Total
								Recoverable
Beryllium	11.7	0.500		ug/L	2		6020A	Dissolved
Cobalt	68.3	2.00		ug/L	2		6020A	Dissolved
Manganese	885	5.00		ug/L	2		6020A	Dissolved
Lithium	13.7	5.00		ug/L	2		6020A	Dissolved
Iron	141000	50.0		ug/L	2		6020A	Dissolved
Selenium	46.4	5.00		ug/L	2		6020B	Total/NA
Arsenic	6.21	3.00		ug/L	1		6020B	Total
								Recoverable

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Job ID: 680-224844-1

Lab Sample ID: 680-224844-8 Client Sample ID: AF47652 (Continued)

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Ргер Туре
Barium	28.1	5.00	2	ug/L	1		6020B	Total
								Recoverable
Beryllium	11.7	0.500		ug/L	1		6020B	Total
								Recoverable
Cadmium	3.19	0.500		ug/L	1		6020B	Total
		300000000000000000000000000000000000000						Recoverable
Cobalt	79.7	0.500		ug/L	1		6020B	Total
								Recoverable
Lead	55.1	2.50		ug/L	1		6020B	Total
								Recoverable
Manganese	1050	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47646 Lab Sample ID: 680-224844-9

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D Method	Prep Type
Calcium	193000	500	-	ug/L	1	6010D	Total
							Recoverable
Iron	133000	100		ug/L	1	6010D	Total
							Recoverable
Magnesium	43000	500		ug/L	1	6010D	Total
							Recoverable
Potassium	3850	1000		ug/L	1	6010D	Total
				notes to a second			Recoverable
Sodium	57000	2000		ug/L	1	6010D	Total
Day was		0.500		21		22224	Recoverable
Beryllium	9.82	0.500		ug/L	2	6020A	Dissolved
Cobalt	43.6	2.00		ug/L	2	6020A	Dissolved
Manganese	391	5.00		ug/L	2	6020A	Dissolved
Lithium	21.0	5.00		ug/L	2	6020A	Dissolved
Iron	162000	50.0		ug/L	2	6020A	Dissolved
Selenium	26.5	5.00		ug/L	2	6020B	Total/NA
Arsenic	4.72	3.00		ug/L	1	6020B	Total
							Recoverable
Barium	46.9	5.00		ug/L	1	6020B	Total
							Recoverable
Beryllium	11.2	0.500		ug/L	1	6020B	Total
							Recoverable
Cadmium	2.20	0.500		ug/L	1	6020B	Total
							Recoverable
Cobalt	52.3	0.500		ug/L	1	6020B	Total
							Recoverable
Lead	8.88	2.50		ug/L	1	6020B	Total
5736	1200-2003	A220 A240		100	500	2000 Late (1982) Co.	Recoverable
Manganese	468	5.00		ug/L	1	6020B	Total
							Recoverable

Client Sample ID: AF47621

Lab Sample ID: 680-224844-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	181000	S 	500		ug/L		-	6010D	Total
									Recoverable
Iron	54800		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	6720		500		ug/L	1		6010D	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Job ID: 680-224844-1

Lab Sample ID: 680-224844-10 Client Sample ID: AF47621 (Continued)

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	44600	2000	-	ug/L		_	6010D	Total
								Recoverable
Beryllium	3.78	0.500		ug/L	2		6020A	Dissolved
Cobalt	14.7	2.00		ug/L	2		6020A	Dissolved
Manganese	196	5.00		ug/L	2		6020A	Dissolved
Lithium	63.3	5.00		ug/L	2		6020A	Dissolved
Iron	55600	50.0		ug/L	2		6020A	Dissolved
Barium	46.7	5.00		ug/L	1		6020B	Total
								Recoverable
Beryllium	5.21	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	15.3	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	141	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47630 Lab Sample ID: 680-224844-11

Analyte	Result (Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	85200	500		ug/L			6010D	Total
								Recoverable
Iron	2230	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	1860	500		ug/L	1		6010D	Total
								Recoverable
Sodium	12400	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	58.1	5.00		ug/L	2		6020A	Dissolved
Lithium	5.79	5.00		ug/L	2		6020A	Dissolved
Iron	1870	50.0		ug/L	2		6020A	Dissolved
Barium	94.8	5.00		ug/L	1		6020B	Total
								Recoverable
Manganese	56.2	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47628 Lab Sample ID: 680-224844-12

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	486000	500		ug/L		-	6010D	Total
								Recoverable
Iron	94300	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	52700	500		ug/L	1		6010D	Total
								Recoverable
Potassium	6890	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	133000	2000		ug/L	1		6010D	Total
								Recoverable
Beryllium	19.6	0.500		ug/L	2		6020A	Dissolved
Cobalt	40.6	2.00		ug/L	2		6020A	Dissolved
Manganese	1010	5.00		ug/L	2		6020A	Dissolved
Lithium	59.8	5.00		ug/L	2		6020A	Dissolved
Iron	98800	50.0		ug/L	2		6020A	Dissolved
Selenium	14.4	10.0		ug/L	2		6020B	Total/NA
Barium	41.2	5.00		ug/L	1		6020B	Total
								Recoverable

This Detection Summary does not include radiochemical test results.

Job ID: 680-224844-1

Lab Sample ID: 680-224844-12

Client Sample ID: AF47	ent Sample ID: AF47628 (Continued)						Sa	mple ID: (680-224844-12
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Ргер Туре
Beryllium	24.5		0.500		ug/L	1	_	6020B	Total
									Recoverable
Cadmium	1.47		0.500		ug/L	1		6020B	Total
									Recoverable
Cobalt	50.1		0.500		ug/L	1		6020B	Total
									Recoverable
Lead	18.7		2.50		ug/L	1		6020B	Total
									Recoverable
Manganese	1250		5.00		ug/L	1		6020B	Total
_									Recoverable

Lab Sample ID: 680-224844-13 Client Sample ID: AF47629

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	483000	-	500		ug/L	1	_	6010D	Total
									Recoverable
Iron	93200		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	52400		500		ug/L	1		6010D	Total
									Recoverable
Potassium	6810		1000		ug/L	1		6010D	Total
									Recoverable
Sodium	133000		2000		ug/L	1		6010D	Total
B			0.500						Recoverable
Beryllium	20.2		0.500		ug/L	2		6020A	Dissolved
Cobalt	41.7		2.00		ug/L	2		6020A	Dissolved
Manganese	1040		5.00		ug/L	2		6020A	Dissolved
Lithium	63.1		5.00		ug/L	2		6020A	Dissolved
Iron	102000		50.0		ug/L	2		6020A	Dissolved
Selenium	13.8		5.00		ug/L	2		6020B	Total/NA
Barium	40.2		5.00		ug/L	1		6020B	Total
									Recoverable
Beryllium	23.6		0.500		ug/L	1		6020B	Total
									Recoverable
Cadmium	1.58		0.500		ug/L	1		6020B	Total
									Recoverable
Cobalt	47.3		0.500		ug/L	1		6020B	Total
									Recoverable
Lead	17.7		2.50		ug/L	1		6020B	Total
									Recoverable
Manganese	1180		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47627 Lab Sample ID: 680-224844-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1120000		5000		ug/L	10		6010D	Total
									Recoverable
Iron	10200		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	143000		500		ug/L	1		6010D	Total
									Recoverable
Potassium	10400		1000		ug/L	1		6010D	Total
									Recoverable
Sodium	183000		2000		ug/L	1		6010D	Total
									Recoverable
Cobalt	37.0		2.00		ug/L	2		6020A	Dissolved

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11/22/2022

Job ID: 680-224844-1

Lab Sample ID: 680-224844-14

Lab Sample ID: 680-224844-15

Lab Sample ID: 680-224844-16

Client Sample ID: AF47627 (Continued)	Client Sam	ple ID:	AF47627	(Continued)
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Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	5130	· —	12.5	-	ug/L	5	_	6020A	Dissolved
Lithium	50.7		5.00		ug/L	2		6020A	Dissolved
Iron	12300		50.0		ug/L	2		6020A	Dissolved
Arsenic	4.35		3.00		ug/L	1		6020B	Total
									Recoverable
Barium	56.2		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	43.1		0.500		ug/L	1		6020B	Total
									Recoverable
Manganese	6170		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47626

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1300000	5000	3	ug/L	10		6010D	Total
								Recoverable
Iron	204000	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	349000	500		ug/L	1		6010D	Total
								Recoverable
Potassium	20800	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	194000	2000		ug/L	1		6010D	Total
								Recoverable
Cobalt	9.13	2.00		ug/L	2		6020A	Dissolved
Manganese	8830	25.0		ug/L	10		6020A	Dissolved
Iron	219000	250		ug/L	10		6020A	Dissolved
Arsenic	4.83	3.00		ug/L	1		6020B	Total
								Recoverable
Barium	48.3	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	10.4	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	10200	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47625

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	472000		500	-	ug/L	1		6010D	Total
									Recoverable
Iron	15300		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	15200		500		ug/L	1		6010D	Total
									Recoverable
Potassium	1450		1000		ug/L	1		6010D	Total
									Recoverable
Sodium	70200		2000		ug/L	1		6010D	Total
									Recoverable
Manganese	517		5.00		ug/L	2		6020A	Dissolved
Iron	14300		50.0		ug/L	2		6020A	Dissolved
Barium	338		5.00		ug/L	1		6020B	Total
									Recoverable
Manganese	452		5.00		ug/L	1		6020B	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

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Job ID: 680-224844-1

Client Sample ID: AF47624

Lab Sample ID: 680-224844-17

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	152000	500	-	ug/L		_	6010D	Total
								Recoverable
Iron	120000	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	3990	500		ug/L	1		6010D	Total
								Recoverable
Sodium	78700	2000		ug/L	1		6010D	Total
								Recoverable
Beryllium	4.57	0.500		ug/L	2		6020A	Dissolved
Cobalt	14.3	2.00		ug/L	2		6020A	Dissolved
Manganese	84.2	5.00		ug/L	2		6020A	Dissolved
Lithium	12.4	5.00		ug/L	2		6020A	Dissolved
Iron	118000	50.0		ug/L	2		6020A	Dissolved
Barium	1540	5.00		ug/L	1		6020B	Total
								Recoverable
Beryllium	5.20	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	15.1	0.500		ug/L	1		6020B	Total
								Recoverable
Lead	8.81	2.50		ug/L	1		6020B	Total
								Recoverable
Manganese	80.3	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47623

Lab Sample ID: 680-224844-18

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	697000	500		ug/L		_	6010D	Total
								Recoverable
Iron	13100	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	76500	500		ug/L	1		6010D	Total
								Recoverable
Potassium	8510	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	129000	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	610	5.00		ug/L	2		6020A	Dissolved
Lithium	19.3	5.00		ug/L	2		6020A	Dissolved
Iron	12800	50.0		ug/L	2		6020A	Dissolved
Barium	133	5.00		ug/L	1		6020B	Total
								Recoverable
Manganese	660	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47622

Lab Sample ID: 680-224844-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	549000	X-	500		ug/L	1		6010D	Total
									Recoverable
Iron	1230		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	52000		500		ug/L	1		6010D	Total
									Recoverable
Potassium	3890		1000		ug/L	1		6010D	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Job ID: 680-224844-1

Client Sample ID: AF47622 (Continued)

Lab Sample ID: 680-224844-19

Analyte	Result	Qualifier R	_ MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	81800	200	5	ug/L		_	6010D	Total
								Recoverable
Cobalt	25.3	2.0	0	ug/L	2		6020A	Dissolved
Manganese	3290	5.0	0	ug/L	2		6020A	Dissolved
Lithium	7.09	5.0	ס	ug/L	2		6020A	Dissolved
Iron	1330	50.	ס	ug/L	2		6020A	Dissolved
Barium	83.8	5.0	0	ug/L	1		6020B	Total
								Recoverable
Cobalt	28.6	0.50	0	ug/L	1		6020B	Total
								Recoverable
Manganese	3730	5.0	ס	ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47659	Lab Sample ID: 680-224844-20

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	81700	500		ug/L			6010D	Total
								Recoverable
Iron	2300	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	2720	500		ug/L	1		6010D	Total
								Recoverable
Sodium	14300	2000		ug/L	1		6010D	Total
								Recoverable
Cobalt	7.01	2.00		ug/L	2		6020A	Dissolved
Manganese	97.5	5.00		ug/L	2		6020A	Dissolved
Iron	2170	50.0		ug/L	2		6020A	Dissolved
Barium	189	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	7.29	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	101	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47660

Lab Sample ID: 680-224844-21

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	79400	500		ug/L		_	6010D	Total
								Recoverable
Iron	2250	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	2700	500		ug/L	1		6010D	Total
								Recoverable
Sodium	14100	2000		ug/L	1		6010D	Total
								Recoverable
Cobalt	6.68	2.00		ug/L	2		6020A	Dissolved
Manganese	90.9	5.00		ug/L	2		6020A	Dissolved
Iron	1760	50.0		ug/L	2		6020A	Dissolved
Barium	191	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	7.45	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	104	5.00		ug/L	1		6020B	Total
								Recoverable

This Detection Summary does not include radiochemical test results.

Job ID: 680-224844-1

Lab Sample ID: 680-224844-23

Client Sample ID: AF47661	Cli	ient	Sam	ple	ID:	AF4	7661
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Client Sample ID: AF47661						Lab	Sa	mple ID:	680-224844-22
- Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	115000	-	500		ug/L			6010D	Total
									Recoverable
Iron	242		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	2480		500		ug/L	1		6010D	Total
									Recoverable
Potassium	1970		1000		ug/L	1		6010D	Total
									Recoverable
Sodium	16300		2000		ug/L	1		6010D	Total
									Recoverable
Cobalt	7.85		2.00		ug/L	2		6020A	Dissolved
Manganese	243		5.00		ug/L	2		6020A	Dissolved
Lithium	5.47		5.00		ug/L	2		6020A	Dissolved
Iron	225		50.0		ug/L	2		6020A	Dissolved
Barium	222		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	8.62		0.500		ug/L	1		6020B	Total
									Recoverable
Manganese	256		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47634

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	168000	S 	500		ug/L	1	-	6010D	Total
									Recoverable
Magnesium	3000		500		ug/L	1		6010D	Total
									Recoverable
Sodium	24200		2000		ug/L	1		6010D	Total
									Recoverable
Cobalt	2.79		2.00		ug/L	2		6020A	Dissolved
Manganese	117		5.00		ug/L	2		6020A	Dissolved
Lithium	9.21		5.00		ug/L	2		6020A	Dissolved
Iron	79.1		50.0		ug/L	2		6020A	Dissolved
Barium	129		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	3.06		0.500		ug/L	1		6020B	Total
									Recoverable
Manganese	126		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47635

Client Sample ID: AF47635	ent Sample ID: AF47635 La							
Analyte	Result	Qualifier	RL MD	L Unit	Dil Fac	D	Method	Prep Type
Calcium	175000		500	ug/L	1		6010D	Total
								Recoverable
Magnesium	3060		500	ug/L	1		6010D	Total
								Recoverable
Sodium	25000	1	2000	ug/L	1		6010D	Total
								Recoverable
Cobalt	2.92		2.00	ug/L	2		6020A	Dissolved
Manganese	118		5.00	ug/L	2		6020A	Dissolved
Lithium	9.97		5.00	ug/L	2		6020A	Dissolved
Iron	82.0		50.0	ug/L	2		6020A	Dissolved
Barium	134		5.00	ug/L	1		6020B	Total
								Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF47635 (Continued)

Job ID: 680-224844-1

Lab Sample ID: 680-224844-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	3.13	·	0.500	*	ug/L			6020B	Total
									Recoverable
Manganese	130		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47636 Lab Sample ID: 680-224844-25

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D Method	Prep Type
Calcium	138000	500	8 8	ug/L	1	6010D	Total
							Recoverable
Iron	402	100		ug/L	1	6010D	Total
							Recoverable
Magnesium	2190	500		ug/L	1	6010D	Total
							Recoverable
Sodium	10000	2000		ug/L	1	6010D	Total
							Recoverable
Cobalt	3.33	2.00		ug/L	2	6020A	Dissolved
Manganese	144	5.00		ug/L	2	6020A	Dissolved
Iron	338	50.0		ug/L	2	6020A	Dissolved
Barium	184	5.00		ug/L	1	6020B	Total
							Recoverable
Cobalt	3.64	0.500		ug/L	1	6020B	Total
							Recoverable
Manganese	157	5.00		ug/L	1	6020B	Total
							Recoverable

Client Sample ID: AF47637

Lab Sample ID: 680-224844-26

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	222000	500		ug/L	1		6010D	Total
								Recoverable
Iron	2080	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	7110	500		ug/L	1		6010D	Total
								Recoverable
Sodium	7350	2000		ug/L	1		6010D	Total
								Recoverable
Cobalt	13.7	2.00		ug/L	2		6020A	Dissolved
Manganese	664	5.00		ug/L	2		6020A	Dissolved
Iron	1970	50.0		ug/L	2		6020A	Dissolved
Barium	80.4	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	14.2	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	693	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47638

Lab Sample ID: 680-224844-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	130000	· ·	500	-	ug/L		_	6010D	Total
									Recoverable
Magnesium	3140		500		ug/L	1		6010D	Total
									Recoverable
Sodium	11800		2000		ug/L	1		6010D	Total
									Recoverable
Manganese	7.64		5.00		ug/L	2		6020A	Dissolved

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Job ID: 680-224844-1

Client Sample ID: AF47638 (Continued)							Lab Sample ID: 680-224				
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Ргер Туре		
Barium	61.6	9	5.00		ua/l	1		6020B	Total		

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	61.6		5.00		ug/L	1	-	6020B	Total
									Recoverable
Manganese	8.26		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47643 Lab Sample ID: 680-224844-28

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	13500	500		ug/L	1		6010D	Total
								Recoverable
Magnesium	922	500	1	ug/L	1		6010D	Total
								Recoverable
Potassium	2270	1000	ñ	ug/L	1		6010D	Total
								Recoverable
Sodium	6800	2000	Į.	ug/L	1		6010D	Total
								Recoverable
Manganese	10.4	5.00	31	ug/L	2		6020A	Dissolved
Barium	132	5.00	1	ug/L	1		6020B	Total
								Recoverable
Cobalt	0.860	0.500	1	ug/L	1		6020B	Total
								Recoverable
Manganese	8.61	5.00	1	ug/L	1		6020B	Total
								Recoverable

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Client Sample ID: AF47644	Lab Sample ID: 680-224844-29
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Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	14400	500	<u> </u>	ug/L	1		6010D	Total
								Recoverable
Magnesium	979	500		ug/L	1		6010D	Total
								Recoverable
Potassium	2400	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	7190	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	6.63	5.00		ug/L	2		6020A	Dissolved
Barium	138	5.00		ug/L	1		6020B	Total
								Recoverable
Beryllium	0.740	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	0.905	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	7.44	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47631

Client Sample ID: AF47	lient Sample ID: AF47631								
	Result Qual	ifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type	
Calcium	41600	500		ug/L	1	77-25	6010D	Total	
								Recoverable	
Iron	8980	100		ug/L	1		6010D	Total	
								Recoverable	
Magnesium	2680	500		ug/L	1		6010D	Total	
								Recoverable	
Potassium	1720	1000		ug/L	1		6010D	Total	
								Recoverable	
Sodium	6460	2000		ug/L	1		6010D	Total	
								Recoverable	

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Job ID: 680-224844-1

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Lab Sample ID: 680-224844-32

Lab Sample ID: 680-224844-33

Client Sample ID: AF47631 (Continued)						Lab	Sa	mple ID:	680-224844-30
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Ргер Туре
Manganese	162		5.00		ug/L	2	_	6020A	Dissolved
Iron	7800		50.0		ug/L	2		6020A	Dissolved
Barium	170		5.00		ug/L	1		6020B	Total
									Recoverable
Manganese	88.3		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47655 Lab Sample ID: 680-224844-31

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	15700	500	-	ug/L	1	-	6010D	Total
								Recoverable
Iron	341	100		ug/L	1		6010D	Total
								Recoverable
Sodium	4060	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	192	5.00		ug/L	2		6020A	Dissolved
Iron	366	50.0		ug/L	2		6020A	Dissolved
Barium	38.6	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	1.19	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	198	5.00		ug/L	1		6020B	Total
- 9								Recoverable

Client Sample ID: AF47662

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	16100	500		ug/L	1	_	6010D	Total
								Recoverable
Magnesium	5150	500		ug/L	1		6010D	Total
								Recoverable
Potassium	1230	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	2540	2000		ug/L	1		6010D	Total
								Recoverable
Beryllium	3.84	0.500		ug/L	2		6020A	Dissolved
Cobalt	30.5	2.00		ug/L	2		6020A	Dissolved
Manganese	40.5	5.00		ug/L	2		6020A	Dissolved
Iron	172	50.0		ug/L	2		6020A	Dissolved
Barium	48.1	5.00		ug/L	1		6020B	Total
								Recoverable
Beryllium	4.07	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	32.6	0.500		ug/L	1		6020B	Total
								Recoverable
Lead	2.63	2.50		ug/L	1		6020B	Total
								Recoverable
Manganese	37.9	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47663

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	11500		500		ug/L	1	_	6010D	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Job ID: 680-224844-1

Client Sample ID: AF47663 (Continued)

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Lan	Sample	11.30	bau-	-224844-3	5.5

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	136	100		ug/L	1	-	6010D	Total
								Recoverable
Magnesium	617	500		ug/L	1		6010D	Total
								Recoverable
Sodium	6350	2000		ug/L	1		6010D	Total
								Recoverable
Cobalt	9.36	2.00		ug/L	2		6020A	Dissolved
Manganese	478	5.00		ug/L	2		6020A	Dissolved
Iron	143	50.0		ug/L	2		6020A	Dissolved
Barium	40.5	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	9.60	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	517	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47658

Lab Sample ID: 680-224844-34

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1260000	5000		ug/L	10		6010D	Total
								Recoverable
Iron	3090	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	144000	500		ug/L	1		6010D	Total
								Recoverable
Potassium	8560	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	202000	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	5950	12.5		ug/L	5		6020A	Dissolved
Lithium	19.2	5.00		ug/L	2		6020A	Dissolved
Iron	3030	50.0		ug/L	2		6020A	Dissolved
Barium	60.1	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	1.15	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	6800	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47639

Lab Sample ID: 680-224844-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	274000		500		ug/L	1		6010D	Total
									Recoverable
Iron	1750		100		ug/L	1		6010D	Total
									Recoverable
Magnesium	4760		500		ug/L	1		6010D	Total
									Recoverable
Sodium	19900		2000		ug/L	1		6010D	Total
									Recoverable
Cobalt	4.55		2.00		ug/L	2		6020A	Dissolved
Manganese	305		5.00		ug/L	2		6020A	Dissolved
Iron	1490		50.0		ug/L	2		6020A	Dissolved
Barium	126		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	4.20		0.500		ug/L	1		6020B	Total
									Recoverable

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Client Sample ID: AF47639 (Continued)

Job ID: 680-224844-1

Lab Sample ID: 680-224844-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	n	Method	Ргер Туре
Manganese	305		5.00	IVIDE	ug/L	1	_	6020B	Total
									Recoverable

Client Sample ID: AF4	47645					Lab	Sa	mple ID:	680-224844-36
	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	393000		500	-	ug/L	1		6010D	Total
									Recoverable
Iron	9740		100		ug/L	1		6010D	Total
									Recoverable

Calcium	393000	500	ug/L	1	6010D	Total
						Recoverable
Iron	9740	100	ug/L	1	6010D	Total
						Recoverable
Magnesium	10200	500	ug/L	1	6010D	Total
						Recoverable
Potassium	4370	1000	ug/L	1	6010D	Total
						Recoverable
Sodium	52100	2000	ug/L	1	6010D	Total
						Recoverable
Manganese	701	5.00	ug/L	2	6020A	Dissolved
Lithium	27.6	5.00	ug/L	2	6020A	Dissolved
Iron	8850	50.0	ug/L	2	6020A	Dissolved
Barium	333	5.00	ug/L	1	6020B	Total
						Recoverable
Cobalt	0.580	0.500	ug/L	1	6020B	Total
						Recoverable
Manganese	714	5.00	ug/L	1	6020B	Total
						Recoverable

Client Sample ID: AF47641 Lab Sample ID: 680-224844-37

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	273000	500		ug/L		_	6010D	Total
								Recoverable
Iron	494	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	4570	500		ug/L	1		6010D	Total
								Recoverable
Potassium	2330	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	66800	2000		ug/L	1		6010D	Total
								Recoverable
Cobalt	56.7	2.00		ug/L	2		6020A	Dissolved
Manganese	1710	5.00		ug/L	2		6020A	Dissolved
Lithium	8.26	5.00		ug/L	2		6020A	Dissolved
Iron	532	50.0		ug/L	2		6020A	Dissolved
Barium	121	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	60.0	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	1840	5.00		ug/L	1		6020B	Total
								Recoverable

Lab Sample ID: 680-224844-38 Client Sample ID: AF47642

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	450000		500		ug/L	1	-	6010D	Total
									Recoverable
Iron	13500		100		ug/L	1		6010D	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

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11/22/2022

Job ID: 680-224844-1

Lab Sample ID: 680-224844-38

Client Sample ID: AF47642 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	8030	·	500		ug/L		_	6010D	Total
									Recoverable
Potassium	1230		1000		ug/L	1		6010D	Total
									Recoverable
Sodium	70600		2000		ug/L	1		6010D	Total
									Recoverable
Cobalt	3.16		2.00		ug/L	2		6020A	Dissolved
Manganese	676		5.00		ug/L	2		6020A	Dissolved
Lithium	6.35		5.00		ug/L	2		6020A	Dissolved
Iron	13700		50.0		ug/L	2		6020A	Dissolved
Barium	58.1		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	3.07		0.500		ug/L	1		6020B	Total
									Recoverable
Manganese	673		5.00		ug/L	1		6020B	Total
_									Recoverable

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Client Sample ID: AF47640	Lab Sample ID: 680-224844-39

Analyte	Result	Qualifier	RL:	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	164000	-	500		ug/L	1		6010D	Total
									Recoverable
Magnesium	7410		500		ug/L	1		6010D	Total
									Recoverable
Sodium	48100		2000		ug/L	1		6010D	Total
									Recoverable
Manganese	14.5		5.00		ug/L	2		6020A	Dissolved
Barium	106		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	0.955		0.500		ug/L	1		6020B	Total
									Recoverable
Manganese	15.7		5.00		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF47653

Lab Sample ID: 680-224844-40

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	21800	500	A	ug/L			6010D	Total
								Recoverable
Iron	155	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	913	500		ug/L	1		6010D	Total
					202122122222222			Recoverable
Potassium	1080	1000		ug/L	1		6010D	Total
								Recoverable
Sodium	3870	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	198	5.00		ug/L	2		6020A	Dissolved
Iron	181	50.0		ug/L	2		6020A	Dissolved
Barium	77.8	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	1.24	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	205	5.00		ug/L	1		6020B	Total
								Recoverable

This Detection Summary does not include radiochemical test results.

Job ID: 680-224844-1

Lab Sample ID: 680-224844-41

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Client Sample ID: AF47654

Analyte	Result	Qualifier RL	MDL U	Jnit	Dil Fac	D	Method	Prep Type
Calcium	51400	500	u	ıg/L			6010D	Total
								Recoverable
Iron	1100	100	u	ıg/L	1		6010D	Total
								Recoverable
Magnesium	1270	500	u	ıg/L	1		6010D	Total
								Recoverable
Potassium	1080	1000	u	ıg/L	1		6010D	Total
								Recoverable
Sodium	3340	2000	u	ıg/L	1		6010D	Total
								Recoverable
Manganese	113	5.00	u	ıg/L	2		6020A	Dissolved
Iron	437	50.0	u	ıg/L	2		6020A	Dissolved
Barium	40.3	5.00	u	ıg/L	1		6020B	Total
								Recoverable
Manganese	114	5.00	u	ıg/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47657

Lab Sample ID: 680-224844-42

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	6360	500		ug/L	1		6010D	Total
								Recoverable
Iron	886	100		ug/L	1		6010D	Total
								Recoverable
Sodium	3550	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	43.4	5.00		ug/L	2		6020A	Dissolved
Iron	931	50.0		ug/L	2		6020A	Dissolved
Barium	17.2	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	2.06	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	47.2	5.00		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF47664

Lab Sample ID: 680-224844-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	2020		500		ug/L		-	6010D	Total
									Recoverable
Iron	383		100		ug/L	1		6010D	Total
									Recoverable
Sodium	4040		2000		ug/L	1		6010D	Total
09/00/20/21/20/20/00/21/22/20/20/2	osiylogagalpos aoslogagagalyada		/25/25/201 201/2			05/05/5/05/5/20/00	5 501		Recoverable
Cobalt	12.5		2.00		ug/L	2		6020A	Dissolved
Manganese	77.3		5.00		ug/L	2		6020A	Dissolved
Iron	597		50.0		ug/L	2		6020A	Dissolved
Barium	31.1		5.00		ug/L	1		6020B	Total
									Recoverable
Beryllium	0.750		0.500		ug/L	1		6020B	Total
									Recoverable
Cobalt	15.4		0.500		ug/L	1		6020B	Total
									Recoverable
Manganese	84.4		5.00		ug/L	1		6020B	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 680-224844-1

Client Sample ID: AF47656

Lab Sample ID: 680-224844-44

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	58600	500		ug/L		-	6010D	Total
								Recoverable
Iron	513	100		ug/L	1		6010D	Total
								Recoverable
Magnesium	1520	500		ug/L	1		6010D	Total
								Recoverable
Sodium	7450	2000		ug/L	1		6010D	Total
								Recoverable
Manganese	161	5.00		ug/L	2		6020A	Dissolved
Iron	235	50.0		ug/L	2		6020A	Dissolved
Barium	56.6	5.00		ug/L	1		6020B	Total
								Recoverable
Cobalt	0.765	0.500		ug/L	1		6020B	Total
								Recoverable
Manganese	179	5.00		ug/L	1		6020B	Total
								Recoverable

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

Lab Sample ID: 680-224844-1

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47633 Date Collected: 10/25/22 09:27 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	13100		500		ug/L		11/08/22 04:59	11/08/22 23:10	1
Iron	10900		100		ug/L		11/08/22 04:59	11/08/22 23:10	1
Magnesium	647		500		ug/L		11/08/22 04:59	11/08/22 23:10	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:10	1
Sodium	5680		2000		ug/L		11/08/22 04:59	11/08/22 23:10	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 15:45	2
Cobalt	3.42		2.00		ug/L		11/10/22 14:09	11/14/22 15:45	2
Manganese	13.0		5.00		ug/L		11/10/22 14:09	11/14/22 15:45	2
Lithium	6.06		5.00		ug/L		11/10/22 14:09	11/14/22 15:45	2
Iron	10900		50.0		ug/L		11/10/22 14:09	11/14/22 15:45	2

Method: SW846 6020B - Metals (ICP/	MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	10.0	U	10.0	100	ug/L		11/10/22 14:04	11/14/22 20:20	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00	-	ug/L		11/08/22 04:59	11/09/22 17:00	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:00	1
Barium	85.1		5.00		ug/L		11/08/22 04:59	11/09/22 17:00	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:00	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:00	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:00	1
Cobalt	1.89		0.500		ug/L		11/08/22 04:59	11/09/22 17:00	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:00	1
Manganese	12.9		5.00		ug/L		11/08/22 04:59	11/09/22 17:00	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:00	1

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

Lab Sample ID: 680-224844-2

Matrix: Water

Job ID: 680-224844-1

Client	Sample	ID:	AF47632

Date Collected: 10/25/22 10:34 Date Received: 11/05/22 11:38

Method: SW846 6010D - Metals (ICP) - Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	27500		500		ug/L		11/08/22 04:59	11/08/22 23:19	
Iron	100	U	100		ug/L		11/08/22 04:59	11/08/22 23:19	1
Magnesium	1820		500		ug/L		11/08/22 04:59	11/08/22 23:19	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:19	1
Sodium	5740		2000		ug/L		11/08/22 04:59	11/08/22 23:19	1
Method: SW846 6020A - Metals (ICP/N	VIS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 15:59	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:09	11/14/22 15:59	2
Manganese	12.9		5.00		ug/L		11/10/22 14:09	11/14/22 15:59	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 15:59	2
Iron	264		50.0		ug/L		11/10/22 14:09	11/14/22 15:59	2
Method: SW846 6020B - Metals (ICP/N	VIS)								
SEED OF THE PROPERTY OF THE PARTY OF THE PAR	Contract to the	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Contract to the		RL 10.0	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:04	Analyzed 11/14/22 20:23	Dil Fac
Method: SW846 6020B - Metals (ICP/MAnalyte Selenium Method: SW846 6020B - Metals (ICP/M	Result 10.0	U		MDL		<u>D</u>		· · · · · · · · · · · · · · · · · · ·	
Analyte Selenium Method: SW846 6020B - Metals (ICP/M	Result 10.0 VIS) - Total Result	U Recoverable Qualifier				<u>D</u>		· · · · · · · · · · · · · · · · · · ·	
Analyte Selenium Method: SW846 6020B - Metals (ICP/N Analyte	Result 10.0 VIS) - Total	U Recoverable Qualifier	10.0		ug/L		11/10/22 14:04	11/14/22 20:23	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MAnalyte Antimony	Result 10.0 VIS) - Total Result	Recoverable Qualifier	10.0		ug/L Unit		11/10/22 14:04 Prepared	11/14/22 20:23 Analyzed	2 Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MAnalyte Antimony Arsenic	Result 10.0 VIS) - Total Result 5.00	Recoverable Qualifier	10.0 RL 5.00		ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 20:23 Analyzed 11/09/22 17:08	2 Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/N Analyte Antimony Arsenic Barium	Result 10.0 VIS) - Total Result 5.00 3.00	Recoverable Qualifier U	10.0 RL 5.00 3.00		ug/L Unit ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:08 11/09/22 17:08	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/N Analyte Antimony Arsenic Barium Beryllium	Result 10.0	Recoverable Qualifier U	10.0 RL 5.00 3.00 5.00		ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/N Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 10.0 VIS) - Total Result 5.00 3.00 46.6 0.500	Recoverable Qualifier U U	10.0 RL 5.00 3.00 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MAnalyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 10.0 VIS) - Total Result 5.00 3.00 46.6 0.500 0.500	Recoverable Qualifier U U	10.0 RL 5.00 3.00 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08	Dil Fac 1 1 1 1 1 1
Analyte Selenium	Result 10.0 VIS) - Total Result 5.00 3.00 46.6 0.500 0.500 5.00	Recoverable Qualifier U U	10.0 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08	Dil Fac 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MAnalyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 10.0 VIS) - Total Result 5.00 3.00 46.6 0.500 0.500 5.00 0.625	Recoverable Qualifier U U	RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08 11/09/22 17:08	Dil Fac 1 1 1 1 1 1 1 1 1 1

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

Client Sample ID: AF47651 Lab Sample ID: 680-224844-3

Matrix: Water

Job ID: 680-224844-1

Date Collected: 10/25/22 11:10 Date Received: 11/05/22 11:38

Manganese

Thallium

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	370000	-	500		ug/L		11/08/22 04:59	11/08/22 23:22	1
Iron	30400		100		ug/L		11/08/22 04:59	11/08/22 23:22	1
Magnesium	13100		500		ug/L		11/08/22 04:59	11/08/22 23:22	1
Potassium	1830		1000		ug/L		11/08/22 04:59	11/08/22 23:22	1
Sodium	87000		2000		ug/L		11/08/22 04:59	11/08/22 23:22	1
Method: SW846 6020A - I	Metals (ICP/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	24.8		0.500		ug/L		11/10/22 14:09	11/14/22 16:13	2
Cobalt	133		2.00		ug/L		11/10/22 14:09	11/14/22 16:13	2
Manganese	140		5.00		ug/L		11/10/22 14:09	11/14/22 16:13	2
Lithium	106		5.00		ug/L		11/10/22 14:09	11/14/22 16:13	2
Iron	33500		50.0		ug/L		11/10/22 14:09	11/14/22 16:13	2
Method: SW846 6020B - I	Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	2.50	U	2.50		ug/L		11/10/22 14:04	11/14/22 20:50	1
Method: SW846 6020B - I	Metals (ICP/MS) - Total	Recoverable	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:11	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:11	1
Barium	465		5.00		ug/L		11/08/22 04:59	11/09/22 17:11	1
Beryllium	27.0		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	1
Cadmium	0.580		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:11	1
Cobalt	156		0.500		ug/L		11/08/22 04:59	11/09/22 17:11	1
Lead	2.85		2.50		ug/L		11/08/22 04:59	11/09/22 17:11	1

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11/08/22 04:59

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-4

Matrix: Water

Client Sample ID: AF47650

Date Collected: 10/25/22 12:46 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	231000		500		ug/L		11/08/22 04:59	11/08/22 23:25	1
Iron	81000		100		ug/L		11/08/22 04:59	11/08/22 23:25	1
Magnesium	12000		500		ug/L		11/08/22 04:59	11/08/22 23:25	1
Potassium	2460		1000		ug/L		11/08/22 04:59	11/08/22 23:25	1
Sodium	67700		2000		ug/L		11/08/22 04:59	11/08/22 23:25	1
Method: SW846 6020A - Meta	ls (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	16.4		0.500		ug/L		11/10/22 14:09	11/14/22 16:16	2
Cobalt	38.1		2.00		ug/L		11/10/22 14:09	11/14/22 16:16	2
Manganese Manganese	280		5.00		ug/L		11/10/22 14:09	11/14/22 16:16	2
Lithium	54.5		5.00		ug/L		11/10/22 14:09	11/14/22 16:16	2
Iron	86500		50.0		ug/L		11/10/22 14:09	11/14/22 16:16	2
Method: SW846 6020B - Meta	ls (ICP/MS)								
NAME OF THE PARTY									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Selenium	Result 8.56	Qualifier	RL 5.00	MDL	ug/L	<u>D</u>	11/10/22 14:04	Analyzed 11/14/22 20:54	Dil Fac
	8.56			MDL		<u>D</u>			
Selenium Method: SW846 6020B - Meta	8.56 Is (ICP/MS) - Total			MDL	ug/L	<u>D</u> 			
Selenium	8.56 Is (ICP/MS) - Total	Recoverable Qualifier	5.00		ug/L		11/10/22 14:04	11/14/22 20:54	
Selenium Method: SW846 6020B - Meta Analyte	8.56 Ils (ICP/MS) - Total Result	Recoverable Qualifier	5.00		ug/L Unit		11/10/22 14:04 Prepared	11/14/22 20:54 Analyzed	Dil Fac
Selenium Method: SW846 6020B - Meta Analyte Antimony Arsenic	8.56 Ils (ICP/MS) - Total Result 5.00	Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 20:54 Analyzed 11/09/22 17:14	Dil Fac
Selenium Method: SW846 6020B - Meta Analyte Antimony Arsenic Barium	8.56 Ils (ICP/MS) - Total Result 5.00 4.10	Recoverable Qualifier	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59	11/14/22 20:54 Analyzed 11/09/22 17:14 11/09/22 17:14	Dil Fac
Selenium Method: SW846 6020B - Meta Analyte Antimony Arsenic Barium Beryllium	8.56 Is (ICP/MS) - Total Result 5.00 4.10 30.6	Recoverable Qualifier	5.00 RL 5.00 3.00 5.00		ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14	Dil Fac
Selenium Method: SW846 6020B - Meta Analyte Antimony Arsenic Barium Beryllium Cadmium	8.56 Ils (ICP/MS) - Total Result 5.00 4.10 30.6 18.8	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14	Dil Fac
Selenium Method: SW846 6020B - Meta Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	8.56 Ils (ICP/MS) - Total Result 5.00 4.10 30.6 18.8 0.805	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14	Dil Face 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Selenium Method: SW846 6020B - Meta Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	8.56 Ils (ICP/MS) - Total Result 5.00 4.10 30.6 18.8 0.805 5.00	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14	Dil Fac
Selenium Method: SW846 6020B - Meta Analyte Antimony	8.56 Ils (ICP/MS) - Total Result 5.00 4.10 30.6 18.8 0.805 5.00 41.5	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14 11/09/22 17:14	Dil Fac

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

Lab Sample ID: 680-224844-5

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47649
Date Collected: 10/25/22 14:11

Date Received: 11/05/22 11:38

Thallium

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	415000		500		ug/L		11/08/22 04:59	11/08/22 23:34	1
Iron	171000		100		ug/L		11/08/22 04:59	11/08/22 23:34	1
Magnesium	20600		500		ug/L		11/08/22 04:59	11/08/22 23:34	1
Potassium	2300		1000		ug/L		11/08/22 04:59	11/08/22 23:34	1
Sodium	73300		2000		ug/L		11/08/22 04:59	11/08/22 23:34	1
Method: SW846 6020A -	Metals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	30.8	<u> </u>	0.500		ug/L	sese	11/10/22 14:09	11/14/22 16:20	2
Cobalt	82.8		2.00		ug/L		11/10/22 14:09	11/14/22 16:20	2
Manganese	411		5.00		ug/L		11/10/22 14:09	11/14/22 16:20	2
Lithium	65.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:20	2
								STREET WILLIAM STREET	E
l <mark>ron</mark>	192000		50.0		ug/L		11/10/22 14:09	11/14/22 16:20	2
Iron Method: SW846 6020B -			50.0		ug/L		11/10/22 14:09	11/14/22 16:20	2
	Metals (ICP/MS)	Qualifier	50.0 RL	MDL		D	11/10/22 14:09 Prepared	11/14/22 16:20 Analyzed	
Method: SW846 6020B -	Metals (ICP/MS)	Qualifier		MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Analyte Selenium	Metals (ICP/MS) Result 18.9		RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Analyte	Metals (ICP/MS) Result 18.9 Metals (ICP/MS) - Total		RL	MDL	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B -	Metals (ICP/MS) Result 18.9 Metals (ICP/MS) - Total	Recoverable Qualifier	RL 5.00	75.	Unit ug/L		Prepared 11/10/22 14:04	Analyzed 11/14/22 20:57	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte	Metals (ICP/MS) Result 18.9 Metals (ICP/MS) - Total Result	Recoverable Qualifier	RL 5.00	75.	Unit ug/L Unit		Prepared 11/10/22 14:04 Prepared	Analyzed 11/14/22 20:57 Analyzed	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony	Metals (ICP/MS) Result 18.9 Metals (ICP/MS) - Total Result 5.00	Recoverable Qualifier	RL 5.00	75.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59	Analyzed 11/14/22 20:57 Analyzed 11/09/22 17:16	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium	Netals (ICP/MS) Result 18.9	Recoverable Qualifier	RL 5.00 RL 5.00 3.00	75.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 20:57 Analyzed 11/09/22 17:16 11/09/22 17:16	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic	Netals (ICP/MS) Result 18.9	Recoverable Qualifier	RL 5.00 RL 5.00 3.00 5.00	75.	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 20:57 Analyzed 11/09/22 17:16 11/09/22 17:16 11/09/22 17:16	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium Cadmium	Netals (ICP/MS) Result 18.9	Recoverable Qualifier	RL 5.00 RL 5.00 3.00 5.00 0.500	75.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 20:57 Analyzed 11/09/22 17:16 11/09/22 17:16 11/09/22 17:16	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Metals (ICP/MS) Result 18.9 Metals (ICP/MS) - Total Result 5.00 6.53 42.2 34.5 1.87	Recoverable Qualifier	RL 5.00 RL 5.00 3.00 5.00 0.500	75.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 20:57 Analyzed 11/09/22 17:16 11/09/22 17:16 11/09/22 17:16 11/09/22 17:16	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium	Metals (ICP/MS) Result 18.9 Metals (ICP/MS) - Total Result 5.00 6.53 42.2 34.5 1.87 8.79	Recoverable Qualifier	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	75.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 20:57 Analyzed 11/09/22 17:16 11/09/22 17:16 11/09/22 17:16 11/09/22 17:16 11/09/22 17:16	Dil Fac

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ug/L

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-6

Matrix: Water

Client Sample ID: AF47647 Date Collected: 10/25/22 15:16

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	214000		500		ug/L		11/08/22 04:59	11/08/22 23:37	1
Iron	63500		100		ug/L		11/08/22 04:59	11/08/22 23:37	1
Magnesium	18600		500		ug/L		11/08/22 04:59	11/08/22 23:37	1
Potassium	2350		1000		ug/L		11/08/22 04:59	11/08/22 23:37	1
Sodium	8250		2000		ug/L		11/08/22 04:59	11/08/22 23:37	1
Method: SW846 6020A - Me	etals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.74		0.500		ug/L	e <u>e</u>	11/10/22 14:09	11/14/22 16:23	2
Cobalt	19.4		2.00		ug/L		11/10/22 14:09	11/14/22 16:23	2
Manganese	289		5.00		ug/L		11/10/22 14:09	11/14/22 16:23	2
Lithium	15.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:23	2
Iron	71400		50.0		ug/L		11/10/22 14:09	11/14/22 16:23	2
			30.0		ugri		11710722 11.00	11711722 10:20	=
Method: SW846 6020B - Me			30.0		- ug/ L		11710/22 11.00	11/1/22 10:20	-
Method: SW846 6020B - Me	etals (ICP/MS)	Qualifier	RL.	MDL		D	Prepared	Analyzed	Dil Fac
	etals (ICP/MS)	Qualifier		MDL		<u>D</u>			
Method: SW846 6020B - M Analyte	etals (ICP/MS) Result 27.3		RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Mo Analyte Selenium	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total		RL	3.	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B -	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total	Recoverable Qualifier	RL 5.00	3.	Unit ug/L		Prepared 11/10/22 14:04	Analyzed 11/14/22 21:01	Dil Fac
Method: SW846 6020B - Me Analyte Selenium Method: SW846 6020B - Me Analyte	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total Result	Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit		Prepared 11/10/22 14:04 Prepared	Analyzed 11/14/22 21:01 Analyzed	Dil Fac
Method: SW846 6020B - Me Analyte Selenium Method: SW846 6020B - Me Analyte Antimony	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total Result 5.00	Recoverable Qualifier	RL 5.00 RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59	Analyzed 11/14/22 21:01 Analyzed 11/09/22 17:25	Dil Fac
Method: SW846 6020B -	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total Result 5.00 3.00	Recoverable Qualifier	RL 5.00 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:01 Analyzed 11/09/22 17:25 11/09/22 17:25	Dil Fac
Method: SW846 6020B -	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total Result 5.00 3.00 18.3	Recoverable Qualifier	RL 5.00 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:01 Analyzed 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25	Dil Fac
Method: SW846 6020B -	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total Result 5.00 3.00 18.3 4.32	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:01 Analyzed 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25	Dil Fac
Method: SW846 6020B -	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total Result 5.00 3.00 18.3 4.32 1.38	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:01 Analyzed 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25	Dil Fac 2 Dil Fac 1 1 1 1 1 1
Method: SW846 6020B -	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total Result 5.00 3.00 18.3 4.32 1.38 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:01 Analyzed 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25	Dil Fac Dil Fac 1 1 1
Method: SW846 6020B - Method: SW846 6020B - Method: SW846 6020B - Method: SW846 6020B - Method: Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	etals (ICP/MS) Result 27.3 etals (ICP/MS) - Total Result 5.00 3.00 18.3 4.32 1.38 5.00 21.5	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:01 Analyzed 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25 11/09/22 17:25	Dil Fac 2 Dil Fac 1 1 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-7

Matrix: Water

Client Sample ID: AF47648

Date Collected: 10/25/22 15:21 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	213000		500		ug/L		11/08/22 04:59	11/08/22 23:40	1
Iron	62800		100		ug/L		11/08/22 04:59	11/08/22 23:40	1
Magnesium	18600		500		ug/L		11/08/22 04:59	11/08/22 23:40	1
Potassium	2310		1000		ug/L		11/08/22 04:59	11/08/22 23:40	1
Sodium	8230		2000		ug/L		11/08/22 04:59	11/08/22 23:40	1
Method: SW846 6020A - N	Metals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium er	3.71		0.500		ug/L		11/10/22 14:09	11/14/22 16:26	2
Cobalt	18.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:26	2
Manganese	284		5.00		ug/L		11/10/22 14:09	11/14/22 16:26	2
Lithium	15.3		5.00		ug/L		11/10/22 14:09	11/14/22 16:26	2
Iron	68100		50.0		ug/L		11/10/22 14:09	11/14/22 16:26	2
Method: SW846 6020B - N	Vietals (ICP/MS)								
	Market Control of the	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - M Analyte Selenium	Market Control of the	Qualifier	RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:04	Analyzed 11/14/22 21:04	Dil Fac
Analyte	Result 28.0 Metals (ICP/MS) - Total	Recoverable		MDL		D			
Analyte Selenium	Result 28.0 Vietals (ICP/MS) - Total Result	Recoverable Qualifier		MDL	ug/L	D D			
Analyte Selenium Method: SW846 6020B - N		Recoverable Qualifier	5.00	3.	ug/L		11/10/22 14:04	11/14/22 21:04	2
Analyte Selenium Method: SW846 6020B - M Analyte	Result 28.0 Vietals (ICP/MS) - Total Result	Recoverable Qualifier	5.00	3.	ug/L Unit		11/10/22 14:04 Prepared	11/14/22 21:04 Analyzed	2
Analyte Selenium Method: SW846 6020B - Malyte Antimony		Recoverable Qualifier	5.00 RL 5.00	3.	ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 21:04 Analyzed 11/09/22 17:27	2
Analyte Selenium Method: SW846 6020B - Malyte Antimony Arsenic	Result 28.0	Recoverable Qualifier	5.00 RL 5.00 3.00	3.	ug/L Unit ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:27 11/09/22 17:27	Dil Fac
Analyte Selenium Method: SW846 6020B - Malyte Antimony Arsenic Barium Beryllium	Result 28.0 Metals (ICP/MS) - Total Result 5.00 3.00 17.8	Recoverable Qualifier	5.00 RL 5.00 3.00 5.00	3.	ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Nanalyte Antimony Arsenic Barium Beryllium Cadmium	Result 28.0	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Malyte Antimony Arsenic Barium	Result 28.0	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27	Dil Fac 1 1 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Manalyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 28.0 Vietals (ICP/MS) - Total Result 5.00 3.00 17.8 4.00 1.72 5.00	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27	Dil Fac 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Nanalyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 28.0 Vietals (ICP/MS) - Total Result 5.00 3.00 17.8 4.00 1.72 5.00 20.4	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 5.00 0.500 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27 11/09/22 17:27	Dil Fac 1 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Client Sample ID: AF47652 Lab Sam

Lab Sample ID: 680-224844-8 Matrix: Water

Date Collected: 10/26/22 09:24 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	320000	500		ug/L		11/08/22 04:59	11/08/22 23:43	1
Iron	114000	100		ug/L		11/08/22 04:59	11/08/22 23:43	1
Magnesium	68200	5000		ug/L		11/08/22 04:59	11/09/22 15:44	10
Potassium	4210	1000		ug/L		11/08/22 04:59	11/08/22 23:43	1
Sodium	80200	20000		ug/L		11/08/22 04:59	11/09/22 15:44	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	11.7	\ <u></u>	0.500		ug/L		11/10/22 14:09	11/14/22 16:30	2
Cobalt	68.3		2.00		ug/L		11/10/22 14:09	11/14/22 16:30	2
Manganese	885		5.00		ug/L		11/10/22 14:09	11/14/22 16:30	2
Lithium	13.7		5.00		ug/L		11/10/22 14:09	11/14/22 16:30	2
Iron	141000		50.0		ug/L		11/10/22 14:09	11/14/22 16:30	2

Method: SW846 6020B - Metals (ICP/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	46.4	\$C.	5.00		ug/L		11/10/22 14:04	11/14/22 21:08	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L	sese	11/08/22 04:59	11/09/22 17:30	1
Arsenic	6.21		3.00		ug/L		11/08/22 04:59	11/09/22 17:30	1
Barium	28.1		5.00		ug/L		11/08/22 04:59	11/09/22 17:30	1
Beryllium	11.7		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	1
Cadmium	3.19		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:30	1
Cobalt	79.7		0.500		ug/L		11/08/22 04:59	11/09/22 17:30	1
Lead	55.1		2.50		ug/L		11/08/22 04:59	11/09/22 17:30	1
Manganese	1050		5.00		ug/L		11/08/22 04:59	11/09/22 17:30	1
Thallium	1.00	U	1.00		ug/L		11/08/22 04:59	11/09/22 17:30	1

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Jbs

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

Lab Sample ID: 680-224844-9

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47646

Date Collected: 10/26/22 10:30 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	193000		500		ug/L		11/08/22 04:59	11/08/22 23:46	1
Iron	133000		100		ug/L		11/08/22 04:59	11/08/22 23:46	
Magnesium	43000		500		ug/L		11/08/22 04:59	11/08/22 23:46	
Potassium	3850		1000		ug/L		11/08/22 04:59	11/08/22 23:46	
Sodium	57000		2000		ug/L		11/08/22 04:59	11/08/22 23:46	
Method: SW846 6020A - Metals (ICP/MS)) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	9.82		0.500		ug/L		11/10/22 14:09	11/14/22 16:33	2
Cobalt	43.6		2.00		ug/L		11/10/22 14:09	11/14/22 16:33	2
Manganese	391		5.00		ug/L		11/10/22 14:09	11/14/22 16:33	2
Lithium	21.0		5.00		ug/L		11/10/22 14:09	11/14/22 16:33	2
Processor Control of the Control of	162000		FO 0		ug/L		11/10/22 14:09	11/14/22 16:33	
Iron	102000		50.0		ug/L		11/10/22 14:09	11/14/22 10.33	4
iron : Method: SW846 6020B - Metals (ICP/MS)			50.0		ug/L		11/10/22 14:09	11/14/22 10:33	2
)	Qualifier	50.0 RL	MDL		D	Prepared	Analyzed	
Method: SW846 6020B - Metals (ICP/MS))	Qualifier		MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte	Result		RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium) Result 26.5		RL		Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte) Result 26.5	Recoverable Qualifier	RL		Unit ug/L		Prepared 11/10/22 14:04	Analyzed 11/14/22 21:11	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS)	Result 26.5) - Total Result	Recoverable Qualifier	RL 5.00		Unit ug/L Unit		Prepared 11/10/22 14:04 Prepared	Analyzed 11/14/22 21:11 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony	Result 26.5) - Total Result 5.00	Recoverable Qualifier	RL 5.00		Unit ug/L Unit ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59	Analyzed 11/14/22 21:11 Analyzed 11/09/22 17:33	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic) Result 26.5) - Total Result 5.00	Recoverable Qualifier	RL 5.00 RL 5.00 3.00		Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:11 Analyzed 11/09/22 17:33 11/09/22 17:33	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium) Result 26.5) - Total Result 5.00 4.72 46.9	Recoverable Qualifier	RL 5.00 RL 5.00 3.00 5.00		Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:11 Analyzed 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium	Pesult 26.5) - Total Result 5.00 4.72 46.9 11.2	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L Ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:11 Analyzed 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 26.5) - Total Result 5.00 4.72 46.9 11.2 2.20	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:11 Analyzed 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33	Dil Fa
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium	Result 26.5) - Total Result 5.00 4.72 46.9 11.2 2.20 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:11 Analyzed 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00 4.72 46.9 11.2 2.20 5.00 52.3	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:11 Analyzed 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33 11/09/22 17:33	Dil Fac

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-10

Matrix: Water

Client Sample ID: AF47621 Date Collected: 10/26/22 11:47

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	181000		500		ug/L		11/08/22 04:59	11/08/22 23:49	1
Iron	54800		100		ug/L		11/08/22 04:59	11/08/22 23:49	1
M agnesium	6720		500		ug/L		11/08/22 04:59	11/08/22 23:49	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:49	1
Sodium	44600		2000		ug/L		11/08/22 04:59	11/08/22 23:49	1
Method: SW846 6020A - Metals (ICP)	/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.78		0.500	***	ug/L	e <u>e</u>	11/10/22 14:09	11/14/22 16:37	2
Cobalt	14.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:37	2
Manganese	196		5.00		ug/L		11/10/22 14:09	11/14/22 16:37	2
Lithium	63.3		5.00		ug/L		11/10/22 14:09	11/14/22 16:37	2
Iron	55600		50.0		ug/L		11/10/22 14:09	11/14/22 16:37	2
Method: SW846 6020B - Metals (ICP)	/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Selenium	Result 5.00		5.00	MDL	ug/L	<u>D</u>	Prepared 11/10/22 14:04	Analyzed 11/14/22 21:25	Dil Fac
	5.00	U		MDL		<u>D</u>			
Selenium	5.00 /MS) - Total	U		MDL	ug/L	<u>D</u> D			
Selenium Method: SW846 6020B - Metals (ICP: Analyte	5.00 /MS) - Total	U Recoverable Qualifier	5.00		ug/L		11/10/22 14:04	11/14/22 21:25	2
Selenium Method: SW846 6020B - Metals (ICP) Analyte Antimony	5.00 /MS) - Total Result	Recoverable Qualifier	5.00		ug/L Unit		11/10/22 14:04 Prepared	11/14/22 21:25 Analyzed	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP) Analyte Antimony Arsenic	5.00 /MS) - Total Result 5.00	Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 21:25 Analyzed 11/09/22 17:35	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP) Analyte Antimony Arsenic Barium	5.00 /MS) - Total Result 5.00 3.00	Recoverable Qualifier	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:35 11/09/22 17:35	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP: Analyte Antimony Arsenic Barium Beryllium	5.00 /MS) - Total Result 5.00 3.00 46.7	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00		ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35	Dil Fac 1 1
Selenium Method: SW846 6020B - Metals (ICP) Analyte Antimony Arsenic Barium Beryllium Cadmium	5.00 /MS) - Total Result 5.00 3.00 46.7 5.21	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L Unit ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP) Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	5.00 /MS) - Total Result 5.00 3.00 46.7 5.21 0.500	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35	Dil Fac 1 1 1 1 1
Selenium Method: SW846 6020B - Metals (ICP)	5.00 /MS) - Total Result 5.00 3.00 46.7 5.21 0.500 5.00	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35	Dil Fac 1 1 1 1 1 1 1 1
Selenium Method: SW846 6020B - Metals (ICP) Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	5.00 /MS) - Total Result 5.00 3.00 46.7 5.21 0.500 5.00 15.3	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35 11/09/22 17:35	Dil Fac 1 1 1 1 1 1 1 1 1

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

Lab Sample ID: 680-224844-11

Job ID: 680-224844-1

Matrix: Water

Date Collected: 10/26/22 12:58 Date Received: 11/05/22 11:38

Client Sample ID: AF47630

Analyte F	tesult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium 8	5200		500		ug/L		11/08/22 04:59	11/08/22 23:52	1
Iron	2230		100		ug/L		11/08/22 04:59	11/08/22 23:52	1
Magnesium	1860		500		ug/L		11/08/22 04:59	11/08/22 23:52	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:52	1
Sodium	2400		2000		ug/L		11/08/22 04:59	11/08/22 23:52	1
Method: SW846 6020A - Metals (ICP/MS) -	Diss	olved							
Analyte F	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L	——se —se	11/10/22 14:09	11/14/22 16:40	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:09	11/14/22 16:40	2
Manganese	58.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:40	2
Lithium	5.79		5.00		ug/L		11/10/22 14:09	11/14/22 16:40	2
<mark>Iron</mark>	1870		50.0		ug/L		11/10/22 14:09	11/14/22 16:40	2
Method: SW846 6020B - Metals (ICP/MS)									
ASSESSMENT OF THE PROPERTY OF	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ASSESSMENT OF THE PROPERTY OF	tesult 5.00		RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:04	Analyzed 11/14/22 21:28	Dil Fac
Analyte F	5.00	U		MDL		<u>D</u>			
Analyte F Selenium Method: SW846 6020B - Metals (ICP/MS) -	5.00 Tota	U		3.	ug/L	<u>D</u>			
Analyte F Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte F	5.00 Tota	U Recoverable Qualifier	5.00	3.	ug/L		11/10/22 14:04	11/14/22 21:28	2
Analyte February Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte February	5.00 Total	Recoverable Qualifier	5.00	3.	ug/L Unit		11/10/22 14:04 Prepared	11/14/22 21:28 Analyzed	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte FAntimony Arsenic	5.00 Total tesult 5.00	Recoverable Qualifier	5.00 RL 5.00	3.	ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 21:28 Analyzed 11/09/22 17:38	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium	5.00 Tota tesult 5.00 3.00	Recoverable Qualifier U	5.00 RL 5.00 3.00	3.	ug/L Unit ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59	11/14/22 21:28 Analyzed 11/09/22 17:38 11/09/22 17:38	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Farium Arsenic Barium Beryllium	5.00 Total tesult 5.00 3.00 94.8	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00	3.	ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Fantimony Arsenic Barium Beryllium Cadmium	5.00 Total Result 5.00 3.00 94.8 0.500	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38	2
Analyte F Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte F Antimony Arsenic Barium Beryllium Cadmium Chromium	5.00 Total tesult 5.00 3.00 94.8 0.500 0.500	Recoverable Qualifier U U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Farium Beryllium Cadmium Chromium	5.00 Total result 5.00 3.00 94.8 0.500 0.500 5.00	Recoverable Qualifier U U U U U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38	Dil Fac 1 1 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Fantimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	5.00 Total Sesult 5.00 3.00 94.8 0.500 0.500 5.00 0.500	Recoverable Qualifier U U U U U U U	5.00 RL 5.00 3.00 5.00 0.500 5.00 0.500 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38 11/09/22 17:38	Dil Fac 1 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-12

Matrix: Water

Client Sample ID: AF47628

Date Collected: 10/26/22 14:05 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	486000		500		ug/L		11/08/22 04:59	11/08/22 23:55	1
lron .	94300		100		ug/L		11/08/22 04:59	11/08/22 23:55	1
Magnesium	52700		500		ug/L		11/08/22 04:59	11/08/22 23:55	1
Potassium	6890		1000		ug/L		11/08/22 04:59	11/08/22 23:55	1
Sodium	133000		2000		ug/L		11/08/22 04:59	11/08/22 23:55	1
Method: SW846 6020A - Metals (ICP	/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	19.6		0.500		ug/L		11/10/22 14:09	11/14/22 16:44	2
Cobalt	40.6		2.00		ug/L		11/10/22 14:09	11/14/22 16:44	2
Manganese	1010		5.00		ug/L		11/10/22 14:09	11/14/22 16:44	2
Lithium	59.8		5.00		ug/L		11/10/22 14:09	11/14/22 16:44	2
Iron	98800		50.0		ug/L		11/10/22 14:09	11/14/22 16:44	2
Method: SW846 6020B - Metals (ICP	/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Selenium	Result 14.4	Qualifier	10.0 —	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:04	Analyzed 11/14/22 21:32	Dil Fac
Selenium	14.4			MDL		D			
Selenium Method: SW846 6020B - Metals (ICP	14.4 /MS) - Total			MDL	ug/L	<u>D</u>			
Selenium Method: SW846 6020B - Metals (ICP Analyte	14.4 /MS) - Total	Recoverable Qualifier	10.0		ug/L		11/10/22 14:04	11/14/22 21:32	2
	14.4 /MS) - Total Result	Recoverable Qualifier	10.0		ug/L Unit		11/10/22 14:04 Prepared	11/14/22 21:32 Analyzed	2 Dil Fac
Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony	14.4 /MS) - Total Result 5.00	Recoverable Qualifier	10.0 RL 5.00		ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 21:32 Analyzed 11/09/22 17:41	2 Dil Fac
Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic	14.4 //MS) - Total Result 5.00 3.00	Recoverable Qualifier	10.0 RL 5.00 3.00		ug/L Unit ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:41 11/09/22 17:41	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium Beryllium	14.4 /MS) - Total Result 5.00 3.00 41.2	Recoverable Qualifier	10.0 RL 5.00 3.00 5.00		ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41	Dil Fac 1 1 1
Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium	14.4 /MS) - Total Result 5.00 3.00 41.2 24.5	Recoverable Qualifier U	10.0 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41	Dil Fac 1 1 1
Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	14.4 /MS) - Total Result 5.00 3.00 41.2 24.5 1.47	Recoverable Qualifier U	10.0 RL 5.00 3.00 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41	Dil Fac 1 1 1 1 1
Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium Beryllium Cadmium	14.4 /MS) - Total Result 5.00 3.00 41.2 24.5 1.47 5.00	Recoverable Qualifier U	10.0 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41	Dil Fac 1 1 1 1 1 1 1
Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	14.4 /MS) - Total Result 5.00 3.00 41.2 24.5 1.47 5.00 50.1	Recoverable Qualifier U	10.0 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41 11/09/22 17:41	Dil Fac 1 1 1 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-13

Matrix: Water

Client Sample ID: AF47629 Date Collected: 10/26/22 14:10

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	483000		500		ug/L		11/08/22 04:59	11/08/22 23:58	1
lron .	93200		100		ug/L		11/08/22 04:59	11/08/22 23:58	1
Magnesium	52400		500		ug/L		11/08/22 04:59	11/08/22 23:58	1
Potassium	6810		1000		ug/L		11/08/22 04:59	11/08/22 23:58	1
Sodium	133000		2000		ug/L		11/08/22 04:59	11/08/22 23:58	1
Method: SW846 6020A - Metals (ICF	P/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	20.2		0.500		ug/L		11/10/22 14:09	11/14/22 16:57	2
Cobalt	41.7		2.00		ug/L		11/10/22 14:09	11/14/22 16:57	2
Manganese	1040		5.00		ug/L		11/10/22 14:09	11/14/22 16:57	2
Lithium	63.1		5.00		ug/L		11/10/22 14:09	11/14/22 16:57	2
lron .	102000		50.0		ug/L		11/10/22 14:09	11/14/22 16:57	2
: Method: SW846 6020B - Metals (ICF	P/MS)								
Method: SW846 6020B - Metals (ICF Analyte	CONTRACTOR OF THE PARTY OF THE	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CHARLES AND CONTRACTOR OF THE PART AND CONTRACTOR CONTRACTOR MERCANIC	CONTRACTOR OF THE PARTY OF THE	Qualifier	RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:04	Analyzed 11/14/22 21:35	
Analyte	Result 13.8	-		MDL		D_			
Analyte Selenium	Result 13.8 P/MS) - Total	-		MDL	ug/L	<u>D</u>			Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICF Analyte	Result 13.8 P/MS) - Total	Recoverable Qualifier	5.00	3.	ug/L		11/10/22 14:04	11/14/22 21:35	2
Analyte Selenium Method: SW846 6020B - Metals (ICF	Result 13.8 P/MS) - Total Result	Recoverable Qualifier	5.00	3.	ug/L Unit		11/10/22 14:04 Prepared	11/14/22 21:35 Analyzed	2
Analyte Selenium Method: SW846 6020B - Metals (ICF Analyte Antimony	Result 13.8 P/MS) - Total Result 5.00	Recoverable Qualifier	5.00 RL 5.00	3.	ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 21:35 Analyzed 11/09/22 17:44	2
Analyte Selenium Method: SW846 6020B - Metals (ICF Analyte Antimony Arsenic	Result 13.8 P/MS) - Total Result 5.00 3.00	Recoverable Qualifier	5.00 RL 5.00 3.00	3.	ug/L Unit ug/L ug/L		11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	11/14/22 21:35 Analyzed 11/09/22 17:44 11/09/22 17:44	Dil Fac 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICF Analyte Antimony Arsenic Barium Beryllium	Result 13.8 P/MS) - Total Result 5.00 3.00 40.2	Recoverable Qualifier	5.00 RL 5.00 3.00 5.00	3.	ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44	Dil Fac 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICF Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 13.8 P/MS) - Total Result 5.00 3.00 40.2 23.6	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICF Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 13.8 P/MS) - Total Result 5.00 3.00 40.2 23.6 1.58	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44	Dil Fac 1 1 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICF Analyte Antimony Arsenic Barium	Result 13.8 P/MS) - Total Result 5.00 3.00 40.2 23.6 1.58 5.00	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44	Dil Fac 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICF Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 13.8 P/MS) - Total Result 5.00 3.00 40.2 23.6 1.58 5.00 47.3	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44 11/09/22 17:44	Dil Fac 1 1 1 1 1 1 1 1

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

Lab Sample ID: 680-224844-14

Matrix: Water

Job ID: 680-224844-1

Date Collected: 10/26/22 15:32 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1120000	·	5000		ug/L		11/08/22 04:59	11/09/22 15:47	10
lron .	10200		100		ug/L		11/08/22 04:59	11/09/22 00:01	1
Magnesium	143000		500		ug/L		11/08/22 04:59	11/09/22 00:01	1
Potassium	10400		1000		ug/L		11/08/22 04:59	11/09/22 00:01	1
Sodium	183000		2000		ug/L		11/08/22 04:59	11/09/22 00:01	1
Method: SW846 6020A - Metals (ICP/	MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500	***	ug/L	e <u>e</u>	11/10/22 14:09	11/14/22 17:01	2
Cobalt	37.0		2.00		ug/L		11/10/22 14:09	11/14/22 17:01	2
Manganese	5130		12.5		ug/L		11/10/22 14:09	11/15/22 15:58	5
Lithium	50.7		5.00		ug/L		11/10/22 14:09	11/14/22 17:01	2
Iron	12300		50.0		ug/L		11/10/22 14:09	11/14/22 17:01	2
Method: SW846 6020B - Metals (ICP/	/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Selenium	Result 5.00		RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:04	Analyzed 11/14/22 21:38	Dil Fac
	5.00	U		MDL		<u>D</u>			
Selenium Method: SW846 6020B - Metals (ICP/	5.00 (MS) - Total	U		MDL	ug/L	<u>D</u>			
Selenium	5.00 (MS) - Total	U Recoverable Qualifier	5.00		ug/L		11/10/22 14:04	11/14/22 21:38	2
Selenium Method: SW846 6020B - Metals (ICP/ Analyte	5.00 (MS) - Total Result	U Recoverable Qualifier	5.00		ug/L Unit		11/10/22 14:04 Prepared	11/14/22 21:38 Analyzed	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP/ Analyte Antimony Arsenic	5.00 /MS) - Total Result 5.00	U Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 21:38 Analyzed 11/09/22 17:52	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP/ Analyte Antimony Arsenic Barium	5.00 (MS) - Total Result 5.00 4.35	Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:52 11/09/22 17:52	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP/ Analyte Antimony Arsenic Barium Beryllium	5.00 (MS) - Total Result 5.00 4.35 56.2	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00		ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP/ Analyte Antimony Arsenic Barium Beryllium Cadmium	5.00 (MS) - Total Result 5.00 4.35 56.2 0.500	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500		ug/L Unit ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP/ Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	5.00 (MS) - Total Result 5.00 4.35 56.2 0.500 0.500	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP/ Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	5.00 (MS) - Total Result 5.00 4.35 56.2 0.500 0.500 5.00	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52	Dil Fac
Selenium Method: SW846 6020B - Metals (ICP/ Analyte Antimony	5.00 (MS) - Total Result 5.00 4.35 56.2 0.500 0.500 5.00 43.1	Recoverable Qualifier U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52 11/09/22 17:52	Dil Fac

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

Lab Sample ID: 680-224844-15

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47626 Date Collected: 10/27/22 09:41

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1300000		5000		ug/L		11/08/22 04:59	11/09/22 15:50	10
Iron	204000		100		ug/L		11/08/22 04:59	11/09/22 00:10	1
Magnesium	349000		500		ug/L		11/08/22 04:59	11/09/22 00:10	1
Potassium	20800		1000		ug/L		11/08/22 04:59	11/09/22 00:10	1
Sodium	194000		2000		ug/L		11/08/22 04:59	11/09/22 00:10	1
Method: SW846 6020A - Metals (I	CP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:09	11/14/22 17:04	2
Cobalt	9.13		2.00		ug/L		11/10/22 14:09	11/14/22 17:04	2
Manganese	8830		25.0		ug/L		11/10/22 14:09	11/15/22 16:02	10
Lithium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 17:04	2
									2000
Iron	219000		250		ug/L		11/10/22 14:09	11/15/22 16:02	10
Iron · Method: SW846 6020B - Metals (I			250		ug/L		11/10/22 14:09	11/15/22 16:02	10
	CP/MS)	Qualifier	250 RL	MDL		D	11/10/22 14:09 Prepared	11/15/22 16:02 Analyzed	10 Dil Fac
Method: SW846 6020B - Metals (I	CP/MS)			MDL		<u>D</u>			
Method: SW846 6020B - Metals (I Analyte	Result 5.00	U	RL	MDL	Unit	<u>D</u> _	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (I Analyte Selenium	CP/MS) Result 5.00 CP/MS) - Total	U	RL	MDL	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I	CP/MS) Result 5.00 CP/MS) - Total	U Recoverable Qualifier	RL	3.	Unit ug/L		Prepared 11/10/22 14:04	Analyzed 11/14/22 21:42	Dil Fac
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I Analyte	CP/MS) Result 5.00 CP/MS) - Total Result	U Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit		Prepared 11/10/22 14:04 Prepared	Analyzed 11/14/22 21:42 Analyzed	Dil Fac
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I Analyte Antimony	Result 5.00 CP/MS) - Total Result 5.00	U Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59	Analyzed 11/14/22 21:42 Analyzed 11/09/22 17:54	Dil Fac
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I Analyte Antimony Arsenic	CP/MS Result 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:42 Analyzed 11/09/22 17:54 11/09/22 17:54	Dil Fac Dil Fac
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I Analyte Antimony Arsenic Barium	CP/MS Result 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:42 Analyzed 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54	Dil Fac
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I Analyte Antimony Arsenic Barium Beryllium	CP/MS Result 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:42 Analyzed 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54	Dil Fac Dil Fac 1 1 1 1
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I Analyte Antimony Arsenic Barium Beryllium Cadmium	CP/MS Result 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:42 Analyzed 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54	Dil Fac 2 Dil Fac 1 1 1 1 1 1
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	CP/MS) Result 5.00 CP/MS) - Total Result 5.00 4.83 48.3 0.500 0.500 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:42 Analyzed 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54	Dil Fac Dil Fac 1 1 1
Method: SW846 6020B - Metals (I Analyte Selenium Method: SW846 6020B - Metals (I Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	CP/MS) Result 5.00 CP/MS) - Total Result 5.00 4.83 48.3 0.500 0.500 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:42 Analyzed 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54 11/09/22 17:54	Dil Fac 2 Dil Fac 1 1 1 1 1 1 1 1

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

Lab Sample ID: 680-224844-16

Job ID: 680-224844-1

Matrix: Water

Client	Sample	e ID:	AF47	625
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Date Collected: 10/27/22 11:01 Date Received: 11/05/22 11:38

Thallium

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	472000		500		ug/L		11/08/22 04:59	11/09/22 00:13	1
ron	15300		100		ug/L		11/08/22 04:59	11/09/22 00:13	1
Magnesium	15200		500		ug/L		11/08/22 04:59	11/09/22 00:13	1
otassium	1450		1000		ug/L		11/08/22 04:59	11/09/22 00:13	1
Sodium	70200		2000		ug/L		11/08/22 04:59	11/09/22 00:13	1
Method: SW846 6020A - Metals	(ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500	-	ug/L		11/10/22 14:09	11/14/22 17:08	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:09	11/14/22 17:08	2
Manganese Mangan	517		5.00		ug/L		11/10/22 14:09	11/14/22 17:08	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:09	11/14/22 17:08	2
lron	14300		50.0		ug/L		11/10/22 14:09	11/14/22 17:08	2
Method: SW846 6020B - Metals	A STATE OF THE PROPERTY OF THE PARTY OF THE								
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:04	11/14/22 21:45	2
Method: SW846 6020B - Metals	2								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:57	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 17:57	1
Barium	338		5.00		ug/L		11/08/22 04:59	11/09/22 17:57	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 17:57	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 17:57	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 17:57	1
	452		5.00		ug/L		11/08/22 04:59	11/09/22 17:57	1

1.00

ug/L

11/08/22 04:59

11/09/22 17:57

1.00 U

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1.4

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

Lab Sample ID: 680-224844-17

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47624
Date Collected: 10/27/22 12:15

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	152000		500		ug/L		11/08/22 04:59	11/09/22 00:16	1
lron .	120000		100		ug/L		11/08/22 04:59	11/09/22 00:16	1
Magnesium	3990		500		ug/L		11/08/22 04:59	11/09/22 00:16	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/09/22 00:16	1
Sodium	78700		2000		ug/L		11/08/22 04:59	11/09/22 00:16	1
Method: SW846 6020A - Metals (ICP	/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	4.57		0.500		ug/L		11/10/22 14:12	11/14/22 17:18	2
Cobalt	14.3		2.00		ug/L		11/10/22 14:12	11/14/22 17:18	2
Manganese	84.2		5.00		ug/L		11/10/22 14:12	11/14/22 17:18	2
Lithium	12.4		5.00		ug/L		11/10/22 14:12	11/14/22 17:18	2
Iron	118000		50.0		ug/L		11/10/22 14:12	11/14/22 17:18	2
Iron Method: SW846 6020B - Metals (ICP			50.0		ug/L		11/10/22 14:12	11/14/22 17:18	2
	/MS)	Qualifier	50.0 RL	MDL		D	11/10/22 14:12 Prepared	11/14/22 17:18 Analyzed	2 Dil Fac
Method: SW846 6020B - Metals (ICP	/MS)			MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP Analyte	Result 5.00	U	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 6020B - Metals (ICP Analyte Selenium	Result 5.00	U	RL	MDL	Unit ug/L	D D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP	Result 5.00	U Recoverable Qualifier	RL 5.00	3.	Unit ug/L		Prepared 11/10/22 14:04	Analyzed 11/14/22 21:49	Dil Fac
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP Analyte	/MS) Result 5.00 /MS) - Total Result	U Recoverable Qualifier U	RL 5.00	3.	Unit ug/L Unit		Prepared 11/10/22 14:04 Prepared	Analyzed 11/14/22 21:49 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony	/MS) Result 5.00 /MS) - Total Result 5.00	U Recoverable Qualifier U	RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59	Analyzed 11/14/22 21:49 Analyzed 11/09/22 18:00	Dil Fac
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic	/MS) Result 5.00 /MS) - Total Result 5.00 3.00	U Recoverable Qualifier U	RL 5.00 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:49 Analyzed 11/09/22 18:00 11/09/22 18:00	Dil Fac
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium	/MS) Result 5.00 /MS) - Total Result 5.00 3.00 1540	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:49 Analyzed 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00	Dil Fac Dil Fac 1 1
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium Beryllium	/MS) Result 5.00 /MS) - Total Result 5.00 3.00 1540 5.20	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:49 Analyzed 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00	Dil Fac
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium Beryllium Cadmium	/MS) Result 5.00 /MS) - Total Result 5.00 3.00 1540 5.20 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:49 Analyzed 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00	Dil Fac 2 Dil Fac 1 1 1 1 1 1
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	/MS) Result 5.00 /MS) - Total Result 5.00 3.00 1540 5.20 0.500 5.00	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:49 Analyzed 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00	Dil Fac Dil Fac 1 1 1
Method: SW846 6020B - Metals (ICP Analyte Selenium Method: SW846 6020B - Metals (ICP Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	/MS) Result 5.00 /MS) - Total Result 5.00 3.00 1540 5.20 0.500 5.00 15.1	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:49 Analyzed 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00 11/09/22 18:00	Dil Fac 2 Dil Fac 1 1 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-18

Matrix: Water

Date Collected: 10/27/22 13:24 Date Received: 11/05/22 11:38

Client Sample ID: AF47623

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	697000		500		ug/L		11/08/22 04:59	11/09/22 00:19	
lron en	13100		100		ug/L		11/08/22 04:59	11/09/22 00:19	-
Magnesium	76500		500		ug/L		11/08/22 04:59	11/09/22 00:19	
Potassium	8510		1000		ug/L		11/08/22 04:59	11/09/22 00:19	
Sodium	129000		2000		ug/L		11/08/22 04:59	11/09/22 00:19	
Method: SW846 6020A - Metals (ICP/	MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:42	
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 17:42	:
Manganese	610		5.00		ug/L		11/10/22 14:12	11/14/22 17:42	:
Lithium	19.3		5.00		ug/L		11/10/22 14:12	11/14/22 17:42	
Iron	12800		50.0		ug/L		11/10/22 14:12	11/14/22 17:42	2
Iron Method: SW846 6020B - Metals (ICP/			50.0		ug/L		11/10/22 14:12	11/14/22 17:42	2
	MS)	Qualifier	50.0	MDL		D	11/10/22 14:12 Prepared	11/14/22 17:42 Analyzed	
Method: SW846 6020B - Metals (ICP/	MS)			MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP/ Analyte	Result 5.00	U	RL 5.00	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Method: SW846 6020B - Metals (ICP/ Analyte Selenium	Result 5.00	U	RL 5.00	MDL	Unit ug/L	D	Prepared	Analyzed	Dil Fa
Method: SW846 6020B - Metals (ICP/Analyte Selenium Method: SW846 6020B - Metals (ICP/	Result 5.00	U Recoverable Qualifier	RL 5.00		Unit ug/L		Prepared 11/10/22 14:04	Analyzed 11/14/22 21:52	Dil Fa
Method: SW846 6020B - Metals (ICP/ Analyte Selenium Method: SW846 6020B - Metals (ICP/ Analyte	Result 5.00 (MS) - Total Result	Recoverable Qualifier	RL 5.00		Unit ug/L Unit		Prepared 11/10/22 14:04 Prepared	Analyzed 11/14/22 21:52 Analyzed	Dil Fa
Method: SW846 6020B - Metals (ICP/Analyte Selenium Method: SW846 6020B - Metals (ICP/Analyte Antimony	Result 5.00 MS) - Total Result 5.00	Recoverable Qualifier	RL 5.00 RL 5.00		Unit ug/L Unit ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59	Analyzed 11/14/22 21:52 Analyzed 11/09/22 18:03	Dil Fa
Method: SW846 6020B - Metals (ICP/Analyte Selenium Method: SW846 6020B - Metals (ICP/Analyte Antimony Arsenic	MS) Result 5.00 MS) - Total Result 5.00 3.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00		Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:52 Analyzed 11/09/22 18:03 11/09/22 18:03	Dil Fa
Method: SW846 6020B - Metals (ICP/Analyte Selenium Method: SW846 6020B - Metals (ICP/Analyte Antimony Arsenic Barium	MS) Result 5.00 MS) - Total Result 5.00 3.00 133	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00		Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:52 Analyzed 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03	Dil Fa
Method: SW846 6020B - Metals (ICP/Analyte Selenium Method: SW846 6020B - Metals (ICP/Analyte Antimony Arsenic Barium Beryllium	MS) Result 5.00 MS) - Total Result 5.00 3.00 133 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L Ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:52 Analyzed 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03	Dil Fa
Method: SW846 6020B - Metals (ICP/Analyte Selenium Method: SW846 6020B - Metals (ICP/Analyte Antimony Arsenic Barium Beryllium Cadmium	MS) Result 5.00 MS) - Total Result 5.00 3.00 133 0.500 0.500	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:52 Analyzed 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03	Dil Fa
Method: SW846 6020B - Metals (ICP/Analyte Selenium Method: SW846 6020B - Metals (ICP/Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	MS) Result 5.00 MS) - Total Result 5.00 3.00 133 0.500 0.500 5.00	Recoverable Qualifier U U U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:52 Analyzed 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03	Dil Fa
Method: SW846 6020B - Metals (ICP/Analyte Selenium Method: SW846 6020B - Metals (ICP/Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00 (MS) - Total Result 5.00 3.00 133 0.500 0.500 5.00 0.500	Recoverable Qualifier U U U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:52 Analyzed 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03 11/09/22 18:03	Dil Fa

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-19

Matrix: Water

Client Sample ID: AF47622 Date Collected: 10/27/22 14:46

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Calcium	549000		500		ug/L		11/08/22 04:59	11/09/22 00:22	-
Iron	1230		100		ug/L		11/08/22 04:59	11/09/22 00:22	1
Magnesium	52000		500		ug/L		11/08/22 04:59	11/09/22 00:22	1
Potassium	3890		1000		ug/L		11/08/22 04:59	11/09/22 00:22	1
Sodium	81800		2000		ug/L		11/08/22 04:59	11/09/22 00:22	1
Method: SW846 6020A - Metals (ICP/MS	S) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:45	2
Cobalt	25.3		2.00		ug/L		11/10/22 14:12	11/14/22 17:45	2
Manganese	3290		5.00		ug/L		11/10/22 14:12	11/14/22 17:45	2
Lithium	7.09		5.00		ug/L		11/10/22 14:12	11/14/22 17:45	2
Iron	1330		50.0		ug/L		11/10/22 14:12	11/14/22 17:45	2
			30.0				11710722 11.12		
Method: SW846 6020B - Metals (ICP/MS			30.0		-3-				
Method: SW846 6020B - Metals (ICP/MS	S)	Qualifier	RL.	MDL		D	Prepared	Analyzed	Dil Fac
	S)			MDL		<u>D</u>			
Method: SW846 6020B - Metals (ICP/MS Analyte	Result 5.00	U	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS	5) Result 5.00 6) - Total	U	RL	MDL	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium	5) Result 5.00 6) - Total	U Recoverable Qualifier	RL	3.	Unit ug/L		Prepared 11/10/22 14:04	Analyzed 11/14/22 21:56	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte	Result 5.00 6) - Total Result	Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit		Prepared 11/10/22 14:04 Prepared	Analyzed 11/14/22 21:56 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony	Result 5.00 S) - Total Result 5.00	Recoverable Qualifier	RL 5.00 RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59	Analyzed 11/14/22 21:56 Analyzed 11/09/22 18:05	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic	5.00 S) - Total Result 5.00 3.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:56 Analyzed 11/09/22 18:05 11/09/22 18:05	Dil Fac Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium	5.00 S) - Total Result 5.00 3.00 83.8	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:56 Analyzed 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05	Dil Fac Dil Fac 1 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium	8) Result 5.00 8) - Total Result 5.00 3.00 83.8 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:56 Analyzed 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05	Dil Fac 2 Dil Fac 1 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium	8) Result 5.00 8) - Total Result 5.00 3.00 83.8 0.500 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:56 Analyzed 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	8) Result 5.00 8) - Total Result 5.00 3.00 83.8 0.500 0.500 5.00	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:56 Analyzed 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05	Dil Fac 2 Dil Fac 1 1 1 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	8) Result 5.00 8) - Total Result 5.00 3.00 83.8 0.500 0.500 5.00 28.6	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:04 Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/14/22 21:56 Analyzed 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05 11/09/22 18:05	Dil Fac 2 Dil Fac 1 1 1 1

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

Lab Sample ID: 680-224844-20

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47659 Date Collected: 10/27/22 15:56

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	81700		500		ug/L		11/08/22 04:59	11/09/22 00:25	1
Iron	2300		100		ug/L		11/08/22 04:59	11/09/22 00:25	1
Magnesium	2720		500		ug/L		11/08/22 04:59	11/09/22 00:25	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/09/22 00:25	1
Sodium	14300		2000		ug/L		11/08/22 04:59	11/09/22 00:25	•
Method: SW846 6020A - Me	etals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L	——se —se	11/10/22 14:12	11/14/22 17:49	
Cobalt	7.01		2.00		ug/L		11/10/22 14:12	11/14/22 17:49	2
Manganese .	97.5		5.00		ug/L		11/10/22 14:12	11/14/22 17:49	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:49	2
Iron	2170		50.0		ug/L		11/10/22 14:12	11/14/22 17:49	2
2011									
	etals (ICP/MS)								
Method: SW846 6020B - Me Analyte	Property and the second	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Me	Property and the second		RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:04	Analyzed 11/14/22 22:09	
Method: SW846 6020B - Me Analyte	Result 5.00	U		MDL		<u>D</u>			
Method: SW846 6020B - Mo Analyte Selenium	Result 5.00 etals (ICP/MS) - Total	U		MDL	ug/L	D D			2
Method: SW846 6020B -	Result 5.00 etals (ICP/MS) - Total	U Recoverable Qualifier	5.00		ug/L		11/10/22 14:04	11/14/22 22:09	Dil Fac
Method: SW846 6020B -	Result 5.00 etals (ICP/MS) - Total Result	Recoverable Qualifier U	5.00 RL		ug/L Unit		11/10/22 14:04 Prepared	11/14/22 22:09 Analyzed	Dil Fac
Method: SW846 6020B - Me Analyte Selenium Method: SW846 6020B - Me Analyte		Recoverable Qualifier U	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:04 Prepared 11/08/22 04:59	11/14/22 22:09 Analyzed 11/09/22 18:08	Dil Fac
Method: SW846 6020B -		Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 18:08 11/09/22 18:08	Dil Fac
Method: SW846 6020B -	Result 5.00	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00		ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08	Dil Fac
Method: SW846 6020B -	Result 5.00	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L Unit ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08	Dil Fac
Method: SW846 6020B -	Result 5.00	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08	Dil Fac
Method: SW846 6020B - Method: SW846 6020B - Method: SW846 6020B - Method: SW846 6020B - Method: Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00 etals (ICP/MS) - Total Result 5.00 3.00 189 0.500 0.500 5.00	Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08	Dil Fac
Method: SW846 6020B -	Result 5.00 etals (ICP/MS) - Total Result 5.00 3.00 189 0.500 0.500 5.00 7.29	Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59 11/08/22 04:59	Analyzed 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08 11/09/22 18:08	Dil Face 2 Dil Face 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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

Lab Sample ID: 680-224844-21

Matrix: Water

Job ID: 680-224844-1

C	lien	t Sa	ımpl	e ID	: AF	47	660

Date Collected: 10/27/22 16:01 Date Received: 11/05/22 11:38

Lead

Manganese

Thallium

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	79400		500		ug/L		11/08/22 05:33	11/09/22 00:34	1
lron	2250		100		ug/L		11/08/22 05:33	11/09/22 00:34	1
Magnesium	2700		500		ug/L		11/08/22 05:33	11/09/22 00:34	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:34	1
Sodium	14100		2000		ug/L		11/08/22 05:33	11/09/22 00:34	1
Method: SW846 6020A - Me	etals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:52	2
Cobalt	6.68		2.00		ug/L		11/10/22 14:12	11/14/22 17:52	2
Manganese	90.9		5.00		ug/L		11/10/22 14:12	11/14/22 17:52	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:52	2
lr <mark>on</mark>	1760		50.0		ug/L		11/10/22 14:12	11/14/22 17:52	2
Method: SW846 6020B - M	And the second state of th								
Analyte		Qualifier	RL	MDL	-	D	Prepared	Analyzed	Dil Fac
Selenium	10.0		10.0		ug/L		11/10/22 14:07	11/14/22 22:20	2
Method: SW846 6020B - Mo Analyte	Commence Com	Recoverable Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	, introduction	5.00		ug/L	— -	11/08/22 05:33	11/09/22 18:27	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:27	1
Barium	191		5.00		ug/L		11/08/22 05:33	11/09/22 18:27	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:27	1
Cadmium	0.500		0.500		ug/L		11/08/22 05:33	11/09/22 18:27	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:27	1
					ug/L		11/08/22 05:33	11/09/22 18:27	

2.50

5.00

1.00

ug/L

ug/L

ug/L

11/08/22 05:33

11/08/22 05:33

11/08/22 05:33

11/09/22 18:27

11/09/22 18:27

11/09/22 18:27

2.50 U

1.00 U

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-22

Matrix: Water

Client Sample ID: AF47661

Date Collected: 10/31/22 10:13

Date Received: 11/05/22 11:38

Analyte F	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium 11	15000		500		ug/L		11/08/22 05:33	11/09/22 00:49	1
Iron	242		100		ug/L		11/08/22 05:33	11/09/22 00:49	1
Magnesium	2480		500		ug/L		11/08/22 05:33	11/09/22 00:49	1
Potassium	1970		1000		ug/L		11/08/22 05:33	11/09/22 00:49	1
Sodium 1	6300		2000		ug/L		11/08/22 05:33	11/09/22 00:49	1
Method: SW846 6020A - Metals (ICP/MS) -	Disso	olved							
Analyte F	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:56	2
Cobalt	7.85		2.00		ug/L		11/10/22 14:12	11/14/22 17:56	2
Manganese	243		5.00		ug/L		11/10/22 14:12	11/14/22 17:56	2
Lithium	5.47		5.00		ug/L		11/10/22 14:12	11/14/22 17:56	2
Iron	225		50.0		ug/L		11/10/22 14:12	11/14/22 17:56	2
Method: SW846 6020B - Metals (ICP/MS)									
Analyte F	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 22:23	2
Method: SW846 6020B - Metals (ICP/MS) -	Total	Recoverable							
Small da F	Result	Qualifier		B 405 I	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		accarrie	RL	MIDE	Offic		CONTROL CONTRO		
	5.00	A STATE OF THE STA	5.00	IAIDE	ug/L		11/08/22 05:33	11/09/22 18:35	1
Antimony		U		IVIDL	CONSTRUCTOR CONTRACTOR		11/08/22 05:33 11/08/22 05:33	11/09/22 18:35 11/09/22 18:35	1
Antimony	5.00	U	5.00	MDL	ug/L	<u>==</u>			1 1 1
Antimony Arsenic Barium	5.00 3.00	U U	5.00 3.00	MIDL	ug/L ug/L		11/08/22 05:33	11/09/22 18:35	1 1 1
Antimony Arsenic Barium Beryllium	5.00 3.00 222	U U	5.00 3.00 5.00	MDL	ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33	11/09/22 18:35 11/09/22 18:35	1 1 1 1
Antimony Arsenic Barium Beryllium Cadmium	5.00 3.00 222 0.500	U U U	5.00 3.00 5.00 0.500	MDL	ug/L ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 18:35 11/09/22 18:35 11/09/22 18:35	1 1 1 1 1
Antimony Arsenic Barium Beryllium Cadmium Chromium	5.00 3.00 222 0.500 0.500	U U U	5.00 3.00 5.00 0.500 0.500	MUL	ug/L ug/L ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 18:35 11/09/22 18:35 11/09/22 18:35 11/09/22 18:35	1 1 1 1 1 1
Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	5.00 3.00 222 0.500 0.500 5.00	U U U U	5.00 3.00 5.00 0.500 0.500 5.00	MUL	ug/L ug/L ug/L ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 18:35 11/09/22 18:35 11/09/22 18:35 11/09/22 18:35 11/09/22 18:35	1
Antimony Arsenic Barium Beryllium	5.00 3.00 222 0.500 0.500 5.00 8.62	U U U U	5.00 3.00 5.00 0.500 0.500 5.00	MDL	ug/L ug/L ug/L ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 18:35 11/09/22 18:35 11/09/22 18:35 11/09/22 18:35 11/09/22 18:35 11/09/22 18:35	1

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

ah Cample ID: 000 004044 00

Lab Sample ID: 680-224844-23

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47634
Date Collected: 10/31/22 11:27
Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	168000		500		ug/L		11/08/22 05:33	11/09/22 00:52	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 00:52	1
Magnesium	3000		500		ug/L		11/08/22 05:33	11/09/22 00:52	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:52	1
Sodium	24200		2000		ug/L		11/08/22 05:33	11/09/22 00:52	1
Method: SW846 6020A - I	Metals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:59	2
Cobalt	2.79		2.00		ug/L		11/10/22 14:12	11/14/22 17:59	2
Manganese	117		5.00		ug/L		11/10/22 14:12	11/14/22 17:59	2
Lithium	9.21		5.00		ug/L		11/10/22 14:12	11/14/22 17:59	2
Iron	79.1		50.0		ug/L		11/10/22 14:12	11/14/22 17:59	2
Method: SW846 6020B - Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	CONTRACTOR		RL 5.00	MDL	Unit ug/L	D	Prepared 11/10/22 14:07	Analyzed 11/14/22 22:27	
Analyte Selenium	Result 5.00	U	5.00	MDL	6	<u>D</u>	 	· · · · · · · · · · · · · · · · · · ·	
Analyte Selenium Method: SW846 6020B -	Result 5.00 Metals (ICP/MS) - Total	U	5.00	MDL	ug/L	<u>D</u>	 	· · · · · · · · · · · · · · · · · · ·	2
Analyte Selenium Method: SW846 6020B - Analyte	Result 5.00 Metals (ICP/MS) - Total	U Recoverable	5.00		ug/L		11/10/22 14:07	11/14/22 22:27	Dil Fac Dil Fac
Analyte	Result 5.00 Metals (ICP/MS) - Total Result	Recoverable Qualifier	5.00 RL		ug/L Unit		11/10/22 14:07 Prepared	11/14/22 22:27 Analyzed	2 Dil Fac
Analyte Selenium Method: SW846 6020B - I Analyte Antimony Arsenic		Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:07 Prepared 11/08/22 05:33	11/14/22 22:27 Analyzed 11/09/22 18:38	Dil Fac
Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium	Metals (ICP/MS) - Total Result 5.00 3.00	Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:38 11/09/22 18:38	Dil Fac
Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium	Result	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00		ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38	Dil Fac 1 1
Analyte Selenium Method: SW846 6020B - I Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00	U Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - I Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 5.00	U Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38	Dil Fac 1 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - I Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00	Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38	Dil Fac 1 1 1 1 1 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Analyte Antimony	Result 5.00 Metals (ICP/MS) - Total Result 5.00 3.00 129 0.500 0.500 5.00 3.06	Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38 11/09/22 18:38	Dil Fac 1 1 1 1 1

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

Client Sample ID: AF47635

Lab Sample ID: 680-224844-24

Matrix: Water

Job ID: 680-224844-1

Date Collected: 10/31/22 11:32 Date Received: 11/05/22 11:38

Thallium

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	175000		500		ug/L		11/08/22 05:33	11/09/22 00:55	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 00:55	1
Magnesium	3060		500		ug/L		11/08/22 05:33	11/09/22 00:55	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:55	1
Sodium	25000		2000		ug/L		11/08/22 05:33	11/09/22 00:55	1
Method: SW846 6020A -	Metals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:02	2
Cobalt	2.92		2.00		ug/L		11/10/22 14:12	11/14/22 18:02	2
Manganese	118		5.00		ug/L		11/10/22 14:12	11/14/22 18:02	2
Lithium	9.97		5.00		ug/L		11/10/22 14:12	11/14/22 18:02	2
Iron	82.0		50.0		ug/L		11/10/22 14:12	11/14/22 18:02	2
Iron Method: SW846 6020B -			50.0		ug/L		11/10/22 14:12	11/14/22 18:02	2
	Metals (ICP/MS)	Qualifier	50.0 RL	MDL		D	11/10/22 14:12 Prepared	11/14/22 18:02 Analyzed	
Method: SW846 6020B -	Metals (ICP/MS)			MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Analyte Selenium	Metals (ICP/MS) Result 10.0	U	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Analyte	Metals (ICP/MS) Result 10.0 Metals (ICP/MS) - Total	U	RL	MDL	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B -	Metals (ICP/MS) Result 10.0 Metals (ICP/MS) - Total Result	U Recoverable Qualifier	RL 10.0	3.	Unit ug/L		Prepared 11/10/22 14:07	Analyzed 11/14/22 22:30	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte	Metals (ICP/MS) Result 10.0 Metals (ICP/MS) - Total Result	Recoverable Qualifier	RL 10.0	3.	Unit ug/L Unit		Prepared 11/10/22 14:07	Analyzed 11/14/22 22:30 Analyzed	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony	Metals (ICP/MS) Result 10.0 Metals (ICP/MS) - Total Result 5.00	Recoverable Qualifier	RL 10.0 RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33	Analyzed 11/14/22 22:30 Analyzed 11/09/22 18:41	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic	Result	Recoverable Qualifier U	RL 10.0 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 22:30 Analyzed 11/09/22 18:41 11/09/22 18:41	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium	Netals (ICP/MS) Result 10.0	Recoverable Qualifier U U	RL 10.0 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 22:30 Analyzed 11/09/22 18:41 11/09/22 18:41 11/09/22 18:41	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium Cadmium	Metals (ICP/MS) Result 10.0 Metals (ICP/MS) - Total Result 5.00 3.00 134 0.500	Recoverable Qualifier U U	RL 10.0 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 22:30 Analyzed 11/09/22 18:41 11/09/22 18:41 11/09/22 18:41	Dil Fac
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Metals (ICP/MS) Result 10.0 Metals (ICP/MS) - Total Result 5.00 3.00 134 0.500 0.500	Recoverable Qualifier U U	RL 10.0 RL 5.00 3.00 5.00 0.500 0.500	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 22:30 Analyzed 11/09/22 18:41 11/09/22 18:41 11/09/22 18:41 11/09/22 18:41	Dil Fac 2 Dil Fac 1 1 1 1
Method: SW846 6020B - Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium	Metals (ICP/MS) Result 10.0 Metals (ICP/MS) - Total Result 5.00 3.00 134 0.500 0.500 5.00	Recoverable Qualifier U U U	RL 10.0 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 22:30 Analyzed 11/09/22 18:41 11/09/22 18:41 11/09/22 18:41 11/09/22 18:41 11/09/22 18:41	Dil Fac 2 Dil Fac 1 1 1 1 1 1

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ug/L

11/08/22 05:33

11/09/22 18:41

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-25

Matrix: Water

Client Sample ID: AF47636 Date Collected: 10/31/22 12:40

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	138000		500		ug/L		11/08/22 05:33	11/09/22 00:58	1
Iron	402		100		ug/L		11/08/22 05:33	11/09/22 00:58	1
Magnesium	2190		500		ug/L		11/08/22 05:33	11/09/22 00:58	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:58	1
Sodium	10000		2000		ug/L		11/08/22 05:33	11/09/22 00:58	1
Method: SW846 6020A - Metals (ICP/M	S) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500	***	ug/L		11/10/22 14:12	11/14/22 18:06	2
Cobalt	3.33		2.00		ug/L		11/10/22 14:12	11/14/22 18:06	2
Manganese	144		5.00		ug/L		11/10/22 14:12	11/14/22 18:06	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:06	2
Iron	338		50.0		ug/L		11/10/22 14:12	11/14/22 18:06	2
Method: SW846 6020B - Metals (ICP/M	S)								
Method: SW846 6020B - Metals (ICP/M Analyte	1000	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Control of the second s	1000		RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:07	Analyzed 11/14/22 22:57	
Analyte	Result 5.00	U		MDL		<u>D</u>			
Analyte Selenium Method: SW846 6020B - Metals (ICP/M	Result 5.00	U				<u>D</u>			2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte	Result 5.00	U Recoverable Qualifier	5.00		ug/L		11/10/22 14:07	11/14/22 22:57	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte Antimony	Result 5.00 (S) - Total Result	U Recoverable Qualifier	5.00		ug/L Unit		11/10/22 14:07 Prepared	11/14/22 22:57 Analyzed	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte Antimony Arsenic	S) - Total Result 5.00	U Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:07 Prepared 11/08/22 05:33	11/14/22 22:57 Analyzed 11/09/22 18:43	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte Antimony Arsenic Barium	Result	Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	11/14/22 22:57 Analyzed 11/09/22 18:43 11/09/22 18:43	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte Antimony Arsenic Barium Beryllium	5.00 S) - Total Result 5.00 3.00 184	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00		ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte Antimony Arsenic Barium Beryllium Cadmium	Result	U Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 5.00 S - Total Result 5.00 3.00 184 0.500 0.500	U Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00	U Recoverable Qualifier U U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43	Dil Fac 1 1 1 1 1 1
Analyte Selenium	Result 5.00 S - Total Result 5.00 3.00 184 0.500 0.500 5.00 3.64	U Recoverable Qualifier U U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43 11/09/22 18:43	

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-26

Matrix: Water

Client Sample ID: AF47637 Date Collected: 10/31/22 13:42

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	222000		500		ug/L		11/08/22 05:33	11/09/22 01:01	1
lron .	2080		100		ug/L		11/08/22 05:33	11/09/22 01:01	1
Magnesium	7110		500		ug/L		11/08/22 05:33	11/09/22 01:01	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:01	1
Sodium	7350		2000		ug/L		11/08/22 05:33	11/09/22 01:01	1
Method: SW846 6020A - Metals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:09	2
Cobalt	13.7		2.00		ug/L		11/10/22 14:12	11/14/22 18:09	2
Manganese	664		5.00		ug/L		11/10/22 14:12	11/14/22 18:09	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:09	2
	4070		1000 000		ug/L		11/10/22 14:12	11/14/22 18:09	2
Iron	1970		50.0		ug/L		11/10/22 14:12	11/14/22 16:09	2
iron : Method: SW846 6020B - Metals (ICP/MS			50.0		ug/L		11/10/22 14:12	11/14/22 16:09	2
)	Qualifier	50.0	MDL		D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS)			MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte	Result	U	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Result 5.00	U	RL	MDL	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte) Result 5.00	U Recoverable Qualifier	RL 5.00	3.	Unit ug/L		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:01	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium	Result 5.00) - Total Result	Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:01 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony	Pesult 5.00 Total Result 5.00	Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33	Analyzed 11/14/22 23:01 Analyzed 11/09/22 18:52	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium) Result 5.00) - Total Result 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:01 Analyzed 11/09/22 18:52 11/09/22 18:52	Dil Fac 2 Dil Fac 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic) Result 5.00) - Total Result 5.00 3.00 80.4	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:01 Analyzed 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium	Pesult 5.00 1 - Total Result 5.00 3.00 80.4 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:01 Analyzed 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52	Dil Fac Dil Fac 1 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Pesult 5.00) - Total Result 5.00 3.00 80.4 0.500 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:01 Analyzed 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium	Pesuit 5.00) - Total Result 5.00 3.00 80.4 0.500 0.500 5.00	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:01 Analyzed 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52	Dil Fac 2 Dil Fac 1 1 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00) - Total Result 5.00 3.00 80.4 0.500 0.500 5.00 14.2	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:01 Analyzed 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52 11/09/22 18:52	Dil Fac 2 Dil Fac 1 1 1 1 1

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

Lab Sample ID: 680-224844-27

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47638 Date Collected: 10/31/22 14:32

Manganese

Thallium

	Metals (ICP) - Total Re								
Analyte		Qualifier	RL	MDL	2207032544	D	Prepared	Analyzed	Dil Fac
Calcium	130000		500		ug/L		11/08/22 05:33	11/09/22 01:04	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:04	1
Magnesium	3140		500	5-20-20-2	ug/L		11/08/22 05:33	11/09/22 01:04	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:04	1
Sodium	11800		2000		ug/L		11/08/22 05:33	11/09/22 01:04	1
Method: SW846 6020A -	Metals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:13	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:13	2
Manganese	7.64		5.00		ug/L		11/10/22 14:12	11/14/22 18:13	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:13	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:13	2
Method: SW846 6020B -	Metals (ICP/MS)								
Method: SW846 6020B - Analyte	Charles And Charles March Control of Charles	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Charles And Charles March Control of Charles		RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:07	Analyzed 11/14/22 23:04	Dil Fac
Analyte Selenium	Result 5.00	U	5.00	MDL		, <u>D</u>			
Analyte	Result 5.00 Metals (ICP/MS) - Total	U	5.00	MDL	ug/L	<u>D</u>			
Analyte Selenium Method: SW846 6020B -	Result 5.00 Metals (ICP/MS) - Total	U Recoverable Qualifier	5.00		ug/L		11/10/22 14:07	11/14/22 23:04	2
Analyte Selenium Method: SW846 6020B - Analyte	Result 5.00 Metals (ICP/MS) - Total Result	Recoverable Qualifier	5.00 RL		ug/L Unit		11/10/22 14:07 Prepared	11/14/22 23:04 Analyzed	2
Analyte Selenium Method: SW846 6020B - Analyte Antimony		Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:07 Prepared 11/08/22 05:33	11/14/22 23:04 Analyzed 11/09/22 18:54	2
Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic	Result 5.00 Metals (ICP/MS) - Total Result 5.00 3.00	Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33	11/14/22 23:04 Analyzed 11/09/22 18:54 11/09/22 18:54	2
Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium	Metals (ICP/MS) - Total Result 5.00 3.00 61.6	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00		ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:54 11/09/22 18:54 11/09/22 18:54	2
Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium	Result 5.00	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:54 11/09/22 18:54 11/09/22 18:54 11/09/22 18:54	2
Analyte Selenium Method: SW846 6020B - Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00	Recoverable Qualifier U U U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 18:54 11/09/22 18:54 11/09/22 18:54 11/09/22 18:54 11/09/22 18:54	2

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8.26

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ug/L

ug/L

11/08/22 05:33

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-28

Matrix: Water

Client Sample ID: AF47643 Date Collected: 11/02/22 09:42

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	13500		500		ug/L		11/08/22 05:33	11/09/22 01:07	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:07	1
Magnesium	922		500		ug/L		11/08/22 05:33	11/09/22 01:07	1
Potassium	2270		1000		ug/L		11/08/22 05:33	11/09/22 01:07	1
Sodium	6800		2000		ug/L		11/08/22 05:33	11/09/22 01:07	1
Method: SW846 6020A - Metals (ICI	P/MS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:26	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:26	2
Manganese	10.4		5.00		ug/L		11/10/22 14:12	11/14/22 18:26	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:26	2
	200000	2200			71		11/10/00 11 10	4444004000	_
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:26	2
Iron Method: SW846 6020B - Metals (ICI		U	50.0		ug/L		11/10/22 14:12	11/14/22 18:26	2
	P/MS)	Qualifier	50.0 RL	MDL		D	11/10/22 14:12 Prepared	11/14/22 18:26 Analyzed	
Method: SW846 6020B - Metals (ICI	P/MS)	Qualifier		MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICI Analyte	P/MS) Result 5.00	Qualifier U	RL	MDL	Unit		Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICI Analyte Selenium	P/MS) Result 5.00 P/MS) - Total	Qualifier U	RL	MDL	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI	P/MS) Result 5.00 P/MS) - Total	Qualifier U Recoverable Qualifier	RL 5.00	3.	Unit ug/L		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:08	Dil Fac
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI Analyte	P/MS) Result 5.00 P/MS) - Total Result	Qualifier U Recoverable Qualifier U	RL	3.	Unit ug/L Unit		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:08 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI Analyte Antimony	P/MS) Result 5.00 P/MS) - Total Result 5.00	Qualifier U Recoverable Qualifier U	RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33	Analyzed 11/14/22 23:08 Analyzed 11/09/22 18:57	Dil Fac
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI Analyte Antimony Arsenic	P/MS) Result 5.00 P/MS) - Total Result 5.00 3.00	Qualifier U Recoverable Qualifier U	RL 5.00 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:08 Analyzed 11/09/22 18:57 11/09/22 18:57	Dil Fac
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI Analyte Antimony Arsenic Barium Beryllium	P/MS) Result 5.00 P/MS) - Total Result 5.00 3.00 132	Qualifier U Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:08 Analyzed 11/09/22 18:57 11/09/22 18:57	Dil Fac
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI Analyte Antimony Arsenic Barium Beryllium Cadmium	P/MS) Result 5.00 P/MS) - Total Result 5.00 3.00 132 0.500	Qualifier U Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:08 Analyzed 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57	Dil Fac
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	P/MS) Result 5.00 P/MS) - Total Result 5.00 3.00 132 0.500 0.500	Qualifier U Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:08 Analyzed 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57	Dil Fac 2 Dil Fac 1 1 1 1 1 1 1
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	P/MS) Result 5.00 P/MS) - Total Result 5.00 3.00 132 0.500 0.500 5.00	Qualifier U Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:08 Analyzed 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57	Dil Fac 2 Dil Fac 1 1 1 1 1
Method: SW846 6020B - Metals (ICI Analyte Selenium Method: SW846 6020B - Metals (ICI Analyte Antimony Arsenic Barium	P/MS) Result 5.00 P/MS) - Total Result 5.00 3.00 132 0.500 0.500 5.00 0.860	Qualifier U Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:08 Analyzed 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57 11/09/22 18:57	Dil Fac 2 Dil Fac 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-29

Matrix: Water

Client Sample ID: AF47644 Date Collected: 11/02/22 09:47

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	14400		500		ug/L		11/08/22 05:33	11/09/22 01:10	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:10	1
Magnesium	979		500		ug/L		11/08/22 05:33	11/09/22 01:10	1
Potassium	2400		1000		ug/L		11/08/22 05:33	11/09/22 01:10	1
Sodium	7190		2000		ug/L		11/08/22 05:33	11/09/22 01:10	1
Method: SW846 6020A - Metals (ICP/MS	s) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:30	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:30	2
Manganese	6.63		5.00		ug/L		11/10/22 14:12	11/14/22 18:30	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:30	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 18:30	2
			00.0		ugr		11710/22 14.12	11711722 10.00	=
Method: SW846 6020B - Metals (ICP/MS	S)		00.0		ug/ L		11710/22 14.12	1771,722 10.00	-
Security Control of the Control of t		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium				MDL		<u>D</u>			
Analyte Selenium	Result 5.00	U	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS	Result 5.00 6) - Total Result	U Recoverable Qualifier	RL	MDL	Unit ug/L	D	Prepared	Analyzed	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte	Result 5.00 6) - Total	U Recoverable Qualifier	RL	3	Unit ug/L		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:11	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony	Result 5.00 6) - Total Result	U Recoverable Qualifier U	RL 5.00	3	Unit ug/L Unit		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:11 Analyzed	Dil Fac
Analyte	5.00 6) - Total Result 5.00	U Recoverable Qualifier U	RL 5.00	3	Unit ug/L Unit ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33	Analyzed 11/14/22 23:11 Analyzed 11/09/22 19:00	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium	8) - Total Result 5.00 3.00	U Recoverable Qualifier	RL 5.00 RL 5.00 3.00	3	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:11 Analyzed 11/09/22 19:00 11/09/22 19:00	Dil Fac Dil Fac 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium	8) - Total Result 5.00 3.00 138	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00	3	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:11 Analyzed 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00	Dil Fac 2 Dil Fac 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00 5) - Total Result 5.00 3.00 138 0.740	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:11 Analyzed 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00	Dil Fac 2 Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 5.00 6) - Total Result 5.00 3.00 138 0.740 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500	3	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:11 Analyzed 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00	Dil Fac Dil Fac 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00 6) - Total Result 5.00 3.00 138 0.740 0.500 5.00	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:11 Analyzed 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00	Dil Fac 2 Dil Fac 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic	Result 5.00 6) - Total Result 5.00 3.00 138 0.740 0.500 5.00 0.905	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:11 Analyzed 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00 11/09/22 19:00	Dil Fac 2 Dil Fac 1 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-30

Matrix: Water

Client Sample ID: AF47631 Date Collected: 11/02/22 11:02

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	41600		500		ug/L		11/08/22 05:33	11/09/22 01:13	1
Iron	8980		100		ug/L		11/08/22 05:33	11/09/22 01:13	1
Magnesium	2680		500		ug/L		11/08/22 05:33	11/09/22 01:13	1
Potassium	1720		1000		ug/L		11/08/22 05:33	11/09/22 01:13	1
Sodium	6460		2000		ug/L		11/08/22 05:33	11/09/22 01:13	1
Method: SW846 6020A - Metals	s (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:33	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:33	2
Manganese	162		5.00		ug/L		11/10/22 14:12	11/14/22 18:33	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:33	2
Iron	7800		50.0		ug/L		11/10/22 14:12	11/14/22 18:33	2
Method: SW846 6020B - Metals	s (ICP/MS)								
	A STATE OF THE PARTY OF THE PAR	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals Analyte Selenium	A STATE OF THE PARTY OF THE PAR		RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:07	Analyzed 11/14/22 23:15	
Analyte	Result 5.00	U	5.00	MDL		<u>D</u>			N-
Analyte Selenium Method: SW846 6020B - Metals	Result 5.00 s (ICP/MS) - Total	U	5.00			<u>D</u>			Dil Fac
Analyte Selenium Method: SW846 6020B - Metals Analyte	Result 5.00 s (ICP/MS) - Total	U Recoverable Qualifier	5.00		ug/L		11/10/22 14:07	11/14/22 23:15	2
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony	Result 5.00 s (ICP/MS) - Total Result	Recoverable Qualifier	5.00 RL		ug/L Unit		11/10/22 14:07 Prepared	11/14/22 23:15 Analyzed	2
Analyte Selenium		Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:07 Prepared 11/08/22 05:33	11/14/22 23:15 Analyzed 11/09/22 19:02	2
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony Arsenic Barium	Result	Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:02 11/09/22 19:02	2
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony Arsenic Barium Beryllium	Result	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00		ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02	2
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00 s (ICP/MS) - Total Result 5.00 3.00 170 0.500	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02	2
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 5.00 S (ICP/MS) - Total Result 5.00 3.00 170 0.500 0.500	Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00 S (ICP/MS) - Total Result 5.00 3.00 170 0.500 0.500 5.00	Recoverable Qualifier U U U U U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony Arsenic	Result 5.00 S (ICP/MS) - Total Result 5.00 3.00 170 0.500 0.500 5.00 0.500	Recoverable Qualifier U U U U U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02 11/09/22 19:02	2

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-31

Matrix: Water

Client Sample ID: AF47655

Date Collected: 11/02/22 12:32 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	15700		500		ug/L		11/08/22 05:33	11/09/22 01:23	1
Iron	341		100		ug/L		11/08/22 05:33	11/09/22 01:23	1
Magnesium	500	U	500		ug/L		11/08/22 05:33	11/09/22 01:23	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:23	1
Sodium	4060		2000		ug/L		11/08/22 05:33	11/09/22 01:23	20
Method: SW846 6020A - Metals (ICP/MS	S) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:37	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:37	2
Manganese	192		5.00		ug/L		11/10/22 14:12	11/14/22 18:37	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:37	2
Iron	366		50.0		ug/L		11/10/22 14:12	11/14/22 18:37	2
			00.0						
Method: SW846 6020B - Metals (ICP/MS	S)		00.0						
		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
: Method: SW846 6020B - Metals (ICP/MS				MDL		<u>D</u>	Prepared 11/10/22 14:07	Analyzed 11/14/22 23:18	
Method: SW846 6020B - Metals (ICP/MS Analyte	Result 5.00	U	RL	MDL	Unit	<u>D</u>			N-
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS	Result 5.00 S) - Total	U	RL		Unit ug/L	<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte	Result 5.00 S) - Total	U Recoverable Qualifier	RL		Unit ug/L		11/10/22 14:07	11/14/22 23:18	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Analyte Antimony	Result 5.00 S) - Total Result	U Recoverable Qualifier	RL 5.00		Unit ug/L Unit		11/10/22 14:07 Prepared	11/14/22 23:18 Analyzed	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic	S) - Total Result 5.00	U Recoverable Qualifier	RL 5.00		Unit ug/L Unit ug/L		11/10/22 14:07 Prepared 11/08/22 05:33	11/14/22 23:18 Analyzed 11/09/22 19:05	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium	Result	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00		Unit ug/L Unit ug/L ug/L		11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:05 11/09/22 19:05	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium	5.00 S) - Total Result 5.00 3.00 38.6	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00		Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium	5.00 S) - Total Result 5.00 3.00 38.6 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	5.00 S) - Total Result 5.00 3.00 38.6 0.500 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	5.00 S) - Total Result 5.00 3.00 38.6 0.500 0.500 5.00	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium	8) - Total Result 5.00 3.00 38.6 0.500 0.500 5.00 1.19	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05 11/09/22 19:05	Dil Fac 1 1 1 1 1 1 1 1 1 1

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

Lab Sample ID: 680-224844-32

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47662 Date Collected: 11/02/22 13:51

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	16100		500		ug/L		11/08/22 05:33	11/09/22 01:26	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:26	1
Magnesium	5150		500		ug/L		11/08/22 05:33	11/09/22 01:26	1
Potassium	1230		1000		ug/L		11/08/22 05:33	11/09/22 01:26	1
Sodium	2540		2000		ug/L		11/08/22 05:33	11/09/22 01:26	1
Method: SW846 6020A - N	Metals (ICP/MS) - Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	3.84		0.500		ug/L		11/10/22 14:12	11/14/22 18:40	2
Cobalt	30.5		2.00		ug/L		11/10/22 14:12	11/14/22 18:40	2
Manganese	40.5		5.00		ug/L		11/10/22 14:12	11/14/22 18:40	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:40	2
Iron	172		50.0		ug/L		11/10/22 14:12	11/14/22 18:40	2
Method: SW846 6020B - N	Metals (ICP/MS)								
Analyte	SERVICES CONTROL CONTR	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00	-	ug/L		11/10/22 14:07	11/14/22 23:22	2
Mathad: SW946 6000D	Metals (ICP/MS) - Total	Recoverable							
IVICTION. SVV646 6020B - IV					CARACTER CO.	D	Prepared	2237676022577776002	
	Contract of the Contract of th	Qualifier	RL	MDL	Unit		i i opaa ca	Analyzed	Dil Fac
Analyte Antimony	Contract of the Contract of th		RL 5.00	MDL	ug/L		11/08/22 05:33	11/09/22 19:08	Dil Fac
Analyte Antimony	Result	U		MDL	CONTRACTOR		STATE OF STA		Dil Fac
Analyte Antimony	Result 5.00	U	5.00	MDL	ug/L		11/08/22 05:33	11/09/22 19:08	Dil Fac 1 1
Analyte Antimony Arsenic Barium	5.00 3.00	U	5.00 3.00	MDL	ug/L ug/L		11/08/22 05:33 11/08/22 05:33	11/09/22 19:08 11/09/22 19:08	1
Analyte Antimony Arsenic Barium Beryllium	5.00 3.00 48.1	U U	5.00 3.00 5.00	MDL	ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:08 11/09/22 19:08 11/09/22 19:08	1 1
Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00 3.00 48.1 4.07	U U	5.00 3.00 5.00 0.500	MDL	ug/L ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08	1 1 1 1
Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 5.00 3.00 48.1 4.07 0.500	U U	5.00 3.00 5.00 0.500 0.500	MDL	ug/L ug/L ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08	1 1 1 1
Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00 3.00 48.1 4.07 0.500 5.00	U U	5.00 3.00 5.00 0.500 0.500 5.00	MDL	ug/L ug/L ug/L ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08	1 1 1 1 1
Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00 3.00 48.1 4.07 0.500 5.00 32.6	U U	5.00 3.00 5.00 0.500 0.500 5.00	MDL	ug/L ug/L ug/L ug/L ug/L ug/L		11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08 11/09/22 19:08	1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-33

Matrix: Water

Client Sample ID: AF47663

Date Collected: 11/02/22 14:52 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	11500		500		ug/L		11/08/22 05:33	11/09/22 01:29	1
Iron	136		100		ug/L		11/08/22 05:33	11/09/22 01:29	1
Magnesium	617		500		ug/L		11/08/22 05:33	11/09/22 01:29	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:29	1
Sodium	6350		2000		ug/L		11/08/22 05:33	11/09/22 01:29	20
Method: SW846 6020A - Metals (ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:43	2
Cobalt	9.36		2.00		ug/L		11/10/22 14:12	11/14/22 18:43	2
Manganese	478		5.00		ug/L		11/10/22 14:12	11/14/22 18:43	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:43	2
Iron	143		50.0		ug/L		11/10/22 14:12	11/14/22 18:43	2
			00.0						
Method: SW846 6020B - Metals (ICP/MS	5)		00.0						
		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS				MDL		<u>D</u>	Prepared 11/10/22 14:07	Analyzed 11/14/22 23:25	
Method: SW846 6020B - Metals (ICP/MS Analyte	Result 5.00	U	RL	MDL	Unit	<u>D</u>			
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium	Result 5.00 6) - Total	U	RL		Unit ug/L	<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS	Result 5.00 6) - Total	U Recoverable Qualifier	RL		Unit ug/L		11/10/22 14:07	11/14/22 23:25	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte	Fesult 5.00 5) - Total Result	U Recoverable Qualifier	RL 5.00		Unit ug/L Unit		11/10/22 14:07 Prepared	11/14/22 23:25 Analyzed	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony	5.00 6) - Total Result 5.00	U Recoverable Qualifier	RL 5.00		Unit ug/L Unit ug/L		11/10/22 14:07 Prepared 11/08/22 05:33	11/14/22 23:25 Analyzed 11/09/22 19:16	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium	8) - Total Result 5.00 3.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00		Unit ug/L Unit ug/L ug/L		11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	11/14/22 23:25 Analyzed 11/09/22 19:16 11/09/22 19:16	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium	Result 5.00 5) - Total Result 5.00 3.00 40.5	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00		Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00 6) - Total Result 5.00 3.00 40.5 0.500	U Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 5.00 8) - Total Result 5.00 3.00 40.5 0.500 0.500	U Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00 6) - Total Result 5.00 3.00 40.5 0.500 0.500 5.00	U Recoverable Qualifier U U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16	2
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic	Result 5.00 6) - Total Result 5.00 3.00 40.5 0.500 0.500 5.00 9.60	U Recoverable Qualifier U U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16 11/09/22 19:16	Dil Fac 1 1 1 1 1 1 1 1 1

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

Lab Sample ID: 680-224844-34

Job ID: 680-224844-1

Matrix: Water

Client Sample ID: AF47658 Date Collected: 11/02/22 16:00 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1260000		5000		ug/L		11/08/22 05:33	11/09/22 15:41	10
Iron	3090		100		ug/L		11/08/22 05:33	11/09/22 01:32	1
Magnesium	144000		500		ug/L		11/08/22 05:33	11/09/22 01:32	1
Potassium	8560		1000		ug/L		11/08/22 05:33	11/09/22 01:32	1
Sodium	202000		2000		ug/L		11/08/22 05:33	11/09/22 01:32	1
Method: SW846 6020A - Metals (ICP/M	S) - Disse	olved							
Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500	-	ug/L		11/10/22 14:12	11/14/22 18:47	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:47	2
Manganese	5950		12.5		ug/L		11/10/22 14:12	11/15/22 16:05	5
Lithium	19.2		5.00		ug/L		11/10/22 14:12	11/14/22 18:47	2
Iron	3030		50.0		ug/L		11/10/22 14:12	11/14/22 18:47	2
Method: SW846 6020B - Metals (ICP/M	S)								
A STATE OF THE PARTY OF THE PAR		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/Mi Analyte Selenium			RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:07	Analyzed 11/14/22 23:39	Dil Fac
Analyte Selenium	Result 5.00	U		MDL		<u>D</u>			
Analyte Selenium Method: SW846 6020B - Metals (ICP/M:	Result 5.00 S) - Total	U		MDL		D			
Analyte Selenium Method: SW846 6020B - Metals (ICP/M Analyte	Result 5.00 S) - Total	U Recoverable Qualifier	5.00		ug/L		11/10/22 14:07	11/14/22 23:39	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/Manalyte Antimony	S) - Total	U Recoverable Qualifier	5.00		ug/L Unit		11/10/22 14:07 Prepared	11/14/22 23:39 Analyzed	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M: Analyte Antimony Arsenic	S) - Total Result 5.00	U Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:07 Prepared 11/08/22 05:33	11/14/22 23:39 Analyzed 11/09/22 19:19	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M: Analyte Antimony Arsenic Barium	5.00 S) - Total Result 5.00 3.00	Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:19 11/09/22 19:19	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/M: Analyte Antimony Arsenic Barium Beryllium	5.00 S) - Total Result 5.00 3.00 60.1	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00		ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/Mile Analyte Antimony Arsenic Barium Beryllium Cadmium	5.00 S) - Total Result 5.00 3.00 60.1 0.500	U Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/Mile Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	8) - Total Result 5.00 3.00 60.1 0.500 0.500	U Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19	Dil Fac 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/Michaelyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	8 Result 5.00 S) - Total Result 5.00 3.00 60.1 0.500 0.500 5.00	Recoverable Qualifier U U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19	Dil Fac 1 1 1 1 1 1 1
Analyte	Result 5.00 S) - Total Result 5.00 3.00 60.1 0.500 0.500 5.00 1.15	Recoverable Qualifier U U U U	5.00 RL 5.00 3.00 5.00 0.500 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19 11/09/22 19:19	Dil Fac 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-35

Matrix: Water

Client Sample ID: AF47639

Date Collected: 11/01/22 10:13 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	274000		500		ug/L		11/08/22 05:33	11/09/22 01:35	-
Iron	1750		100		ug/L		11/08/22 05:33	11/09/22 01:35	1
Magnesium	4760		500		ug/L		11/08/22 05:33	11/09/22 01:35	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:35	1
Sodium	19900		2000		ug/L		11/08/22 05:33	11/09/22 01:35	1
Method: SW846 6020A - Metals (ICP/MS	S) - Disso	olved							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 18:50	2
Cobalt	4.55		2.00		ug/L		11/10/22 14:12	11/14/22 18:50	2
Manganese	305		5.00		ug/L		11/10/22 14:12	11/14/22 18:50	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 18:50	2
lue w	1490		50.0		ug/L		11/10/22 14:12	11/14/22 18:50	2
Iron	1430		30.0		ug/ L		11710/22 14.12	11114122 10:50	-
iron : Method: SW846 6020B - Metals (ICP/MS			30.0		ug/L		11710/22 14.12	11714722 10.30	-
Method: SW846 6020B - Metals (ICP/MS	S)	Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
	S)			MDL		<u>D</u>			
Method: SW846 6020B - Metals (ICP/MS Analyte	5) Result 5.00 6) - Total	U Recoverable	RL 5.00	3.	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte	Result 5.00 S) - Total Result	U Recoverable Qualifier	RL	MDL	Unit ug/L Unit	D	Prepared 11/10/22 14:07	Analyzed 11/14/22 23:42 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS	Result 5.00 S) - Total Result 5.00	Recoverable Qualifier	RL 5.00	3.	Unit ug/L		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:42	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte	Result 5.00 S) - Total Result	Recoverable Qualifier	RL	3.	Unit ug/L Unit		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:42 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony	Result 5.00 S) - Total Result 5.00	Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33	Analyzed 11/14/22 23:42 Analyzed 11/09/22 19:21	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic	5.00 S) - Total Result 5.00 3.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:42 Analyzed 11/09/22 19:21 11/09/22 19:21	Dil Fac Dil Fac 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium	5.00 S) - Total Result 5.00 3.00 126	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:42 Analyzed 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21	Dil Fac Dil Fac 1 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium	S) Result 5.00 S) - Total Result 5.00 3.00 126 0.500	U Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:42 Analyzed 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21	Dil Fac Dil Fac 1 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium	S) Result 5.00 S) - Total Result 5.00 3.00 126 0.500 0.500	U Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:42 Analyzed 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21	Dil Fac
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	8) Result 5.00 8) - Total Result 5.00 3.00 126 0.500 0.500 5.00	Recoverable Qualifier U U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:42 Analyzed 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21	Dil Fac 2 Dil Fac 1 1 1 1 1 1
Method: SW846 6020B - Metals (ICP/MS Analyte Selenium Method: SW846 6020B - Metals (ICP/MS Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	8) Result 5.00 6) - Total Result 5.00 3.00 126 0.500 0.500 5.00 4.20	Recoverable Qualifier U U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:42 Analyzed 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21 11/09/22 19:21	Dil Fac 2 Dil Fac 1 1 1 1 1 1 1 1 1

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

Lab Sample ID: 680-224844-36

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47645
Date Collected: 11/01/22 11:29

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	393000		500		ug/L		11/08/22 05:33	11/09/22 01:38	1
lron .	9740		100		ug/L		11/08/22 05:33	11/09/22 01:38	1
Magnesium	10200		500		ug/L		11/08/22 05:33	11/09/22 01:38	1
Potassium	4370		1000		ug/L		11/08/22 05:33	11/09/22 01:38	1
Sodium	52100		2000		ug/L		11/08/22 05:33	11/09/22 01:38	1
Method: SW846 6020A - Metals (ICP)	/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500	***	ug/L		11/10/22 14:12	11/14/22 18:54	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 18:54	2
Manganese	701		5.00		ug/L		11/10/22 14:12	11/14/22 18:54	2
Lithium	27.6		5.00		ug/L		11/10/22 14:12	11/14/22 18:54	2
Iron	8850		50.0		ug/L		11/10/22 14:12	11/14/22 18:54	2
Method: SW846 6020B - Metals (ICP)	/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00		ug/L		11/10/22 14:07	11/14/22 23:46	2
Method: SW846 6020B - Metals (ICP)	/MS) - Total	Recoverable							
		Recoverable Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte		Qualifier	RL 5.00	MDL	Unit ug/L	D	Prepared 11/08/22 05:33	Analyzed 11/09/22 19:24	Dil Fac
Method: SW846 6020B - Metals (ICP) Analyte Antimony Arsenic	Result	Qualifier U		MDL	A STANFASTA	<u>D</u>			
Analyte Antimony	Result 5.00	Qualifier U	5.00	MDL	ug/L	D	11/08/22 05:33	11/09/22 19:24	1
Analyte Antimony Arsenic Barium	5.00 3.00	Qualifier U	5.00 3.00	MDL	ug/L ug/L	<u> </u>	11/08/22 05:33 11/08/22 05:33	11/09/22 19:24 11/09/22 19:24	1
Analyte Antimony Arsenic Barium Beryllium	5.00 3.00 333	Qualifier U U	5.00 3.00 5.00	MDL	ug/L ug/L ug/L	<u>D</u>	11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:24 11/09/22 19:24 11/09/22 19:24	1
Analyte Antimony Arsenic Barium Beryllium Cadmium	5.00 3.00 333 0.500	Qualifier U U U U	5.00 3.00 5.00 0.500	MDL	ug/L ug/L ug/L ug/L	<u> </u>	11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24	1 1 1 1
Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	5.00 3.00 333 0.500 0.500	Qualifier U U U U	5.00 3.00 5.00 0.500 0.500	MDL	ug/L ug/L ug/L ug/L ug/L	<u>D</u>	11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24	1 1 1
Analyte Antimony Arsenic	5.00 3.00 333 0.500 0.500 5.00	Qualifier U U U U U	5.00 3.00 5.00 0.500 0.500 5.00	MDL	ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24	1 1 1 1 1
Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	8 Result 5.00 3.00 333 0.500 0.500 5.00 0.580	Qualifier U U U U U	5.00 3.00 5.00 0.500 0.500 5.00	MDL	ug/L ug/L ug/L ug/L ug/L ug/L	<u>D</u>	11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24 11/09/22 19:24	1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-37

Matrix: Water

Client Sample ID: AF47641 Date Collected: 11/01/22 12:28

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	273000		500		ug/L		11/08/22 05:33	11/09/22 01:41	
lron .	494		100		ug/L		11/08/22 05:33	11/09/22 01:41	-
Magnesium	4570		500		ug/L		11/08/22 05:33	11/09/22 01:41	
Potassium	2330		1000		ug/L		11/08/22 05:33	11/09/22 01:41	
Sodium	66800		2000		ug/L		11/08/22 05:33	11/09/22 01:41	
Method: SW846 6020A - Metals (ICP/N	/IS) - Disso	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:14	:
Cobalt	56.7		2.00		ug/L		11/10/22 14:16	11/14/22 19:14	
M <mark>anganese</mark>	1710		5.00		ug/L		11/10/22 14:16	11/14/22 19:14	
Lithium	8.26		5.00		ug/L		11/10/22 14:16	11/14/22 19:14	
Iron	532		50.0		ug/L		11/10/22 14:16	11/14/22 19:14	
lron Method: SW846 6020B - Metals (ICP/N			50.0		ug/L		11/10/22 14:16	11/14/22 19:14	:
	VIS)	Qualifier	50.0	MDL		D	11/10/22 14:16 Prepared	11/14/22 19:14 Analyzed	
Method: SW846 6020B - Metals (ICP/N	VIS)			MDL		<u>D</u>			Dil Fa
Method: SW846 6020B - Metals (ICP/M Analyte	Result 5.00	U	RL 5.00	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Method: SW846 6020B - Metals (ICP/N Analyte Selenium	Result 5.00	U	RL 5.00	MDL	Unit ug/L	D	Prepared	Analyzed	Dil Fa
Method: SW846 6020B - Metals (ICP/NAnalyte Selenium Method: SW846 6020B - Metals (ICP/N	Result 5.00	U Recoverable Qualifier	RL 5.00		Unit ug/L		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:49	Dil Fa
Method: SW846 6020B - Metals (ICP/N Analyte Selenium Method: SW846 6020B - Metals (ICP/N Analyte	Result 5.00 VIS) - Total Result	Recoverable Qualifier	RL 5.00		Unit ug/L Unit		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:49 Analyzed	Dil Fa
Method: SW846 6020B - Metals (ICP/NAnalyte Selenium Method: SW846 6020B - Metals (ICP/NAnalyte Antimony	Result 5.00 VIS) - Total Result 5.00	Recoverable Qualifier	RL 5.00 RL 5.00		Unit ug/L Unit ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33	Analyzed 11/14/22 23:49 Analyzed 11/09/22 19:27	Dil Fa
Method: SW846 6020B - Metals (ICP/NAnalyte Selenium Method: SW846 6020B - Metals (ICP/NAnalyte Antimony Arsenic	Result 5.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00		Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:49 Analyzed 11/09/22 19:27 11/09/22 19:27	Dil Fa
Method: SW846 6020B - Metals (ICP/NAnalyte Selenium Method: SW846 6020B - Metals (ICP/NAnalyte Antimony Arsenic Barium	Result 5.00 Solution 5.00 5.00 5.00 3.00 121	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00		Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:49 Analyzed 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27	Dil Fa
Method: SW846 6020B - Metals (ICP/NAnalyte Selenium Method: SW846 6020B - Metals (ICP/NAnalyte Antimony Arsenic Barium Beryllium	Result 5.00 VIS) - Total Result 5.00 3.00 121 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:49 Analyzed 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27	Dil Fa
Method: SW846 6020B - Metals (ICP/NAnalyte Selenium Method: SW846 6020B - Metals (ICP/NAnalyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00 VIS) - Total Result 5.00 3.00 121 0.500 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:49 Analyzed 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27	Dil Fa
Method: SW846 6020B - Metals (ICP/NAnalyte Selenium Method: SW846 6020B - Metals (ICP/NAnalyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 5.00 VIS) - Total Result 5.00 3.00 121 0.500 0.500 5.00	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:49 Analyzed 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27	Dil Fa
Method: SW846 6020B - Metals (ICP/NAnalyte Selenium Method: SW846 6020B - Metals (ICP/NAnalyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00 VIS) - Total Result 5.00 3.00 121 0.500 0.500 5.00 60.0	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:49 Analyzed 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27 11/09/22 19:27	Dil Fa

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

Lab Sample ID: 680-224844-38

Matrix: Water

Job ID: 680-224844-1

Date	Collected:	11/01/22	14:06
Date	Received:	11/05/22	11:38

Lead

Manganese

Thallium

Client Sample ID: AF47642

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	450000		500		ug/L		11/08/22 05:33	11/09/22 01:44	1
Iron	13500		100		ug/L		11/08/22 05:33	11/09/22 01:44	1
Magnesium	8030		500		ug/L		11/08/22 05:33	11/09/22 01:44	1
Potassium	1230		1000		ug/L		11/08/22 05:33	11/09/22 01:44	1
Sodium	70600		2000		ug/L		11/08/22 05:33	11/09/22 01:44	1
Method: SW846 6020A - Metals	(ICP/MS) - Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:28	2
Cobalt	3.16		2.00		ug/L		11/10/22 14:16	11/14/22 19:28	2
Manganese	676		5.00		ug/L		11/10/22 14:16	11/14/22 19:28	2
_ithium	6.35		5.00		ug/L		11/10/22 14:16	11/14/22 19:28	2
ron	13700		50.0		ug/L		11/10/22 14:16	11/14/22 19:28	2
Method: SW846 6020B - Metals	(ICP/MS)								
	The state of the s	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals Analyte Selenium	The state of the s		RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:07	Analyzed 11/14/22 23:52	Dil Fac
Analyte	Result 5.00	U	5.00	MDL		<u>D</u>			
Analyte Selenium	Result 5.00 (ICP/MS) - Total	U	5.00	MDL	ug/L	<u>D</u>			
Analyte Selenium Method: SW846 6020B - Metals Analyte	Result 5.00 (ICP/MS) - Total	U Recoverable	5.00		ug/L		11/10/22 14:07	11/14/22 23:52	2
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony	Result 5.00 (ICP/MS) - Total Result	U Recoverable Qualifier U	5.00		ug/L Unit		11/10/22 14:07 Prepared	11/14/22 23:52 Analyzed	Dil Fac
Analyte Selenium Wethod: SW846 6020B - Metals Analyte Antimony Arsenic	Result 5.00 (ICP/MS) - Total Result 5.00	U Recoverable Qualifier U	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:07 Prepared 11/08/22 05:33	11/14/22 23:52 Analyzed 11/09/22 19:30	Dil Fac
Analyte Selenium Wethod: SW846 6020B - Metals Analyte Antimony Arsenic Barium	Result 5.00 (ICP/MS) - Total Result 5.00 3.00	Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:30 11/09/22 19:30	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals Analyte Antimony Arsenic Barium Beryllium	Result 5.00 (ICP/MS) - Total Result 5.00 3.00 58.1	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00		ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:30 11/09/22 19:30 11/09/22 19:30	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals	Result 5.00 (ICP/MS) - Total Result 5.00 3.00 58.1 0.500	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/09/22 19:30 11/09/22 19:30 11/09/22 19:30 11/09/22 19:30	Dil Fac

2.50

5.00

1.00

ug/L

ug/L

ug/L

11/08/22 05:33

11/08/22 05:33

11/08/22 05:33

11/09/22 19:30

11/09/22 19:30

11/09/22 19:30

2.50 U

1.00 U

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

Lab Sample ID: 680-224844-39

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47640
Date Collected: 11/01/22 15:15
Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	164000		500		ug/L		11/08/22 05:33	11/09/22 01:47	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 01:47	1
Magnesium	7410		500		ug/L		11/08/22 05:33	11/09/22 01:47	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 01:47	1
Sodium	48100		2000		ug/L		11/08/22 05:33	11/09/22 01:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:31	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:31	2
Manganese	14.5		5.00		ug/L		11/10/22 14:16	11/14/22 19:31	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:31	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:16	11/14/22 19:31	2

Method: SW846 6020B - Metals (ICP/I	/IS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.00	U	5.00	3	ug/L		11/10/22 14:07	11/14/22 23:56	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00	-	ug/L		11/08/22 05:33	11/09/22 19:32	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 19:32	1
Barium	106		5.00		ug/L		11/08/22 05:33	11/09/22 19:32	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:32	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 19:32	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 19:32	1
Cobalt	0.955		0.500		ug/L		11/08/22 05:33	11/09/22 19:32	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 19:32	1
Manganese	15.7		5.00		ug/L		11/08/22 05:33	11/09/22 19:32	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 19:32	1

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LIE

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

Job ID: 680-224844-1

Client Sample ID: AF47653

Lab Sample ID: 680-224844-40

Matrix: Water

Date Collected: 11/03/22 10:03 Date Received: 11/05/22 11:38

Analyte F	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium 2	1800		500		ug/L		11/08/22 05:33	11/09/22 01:50	1
Iron	155		100		ug/L		11/08/22 05:33	11/09/22 01:50	1
Magnesium	913		500		ug/L		11/08/22 05:33	11/09/22 01:50	1
Potassium	1080		1000		ug/L		11/08/22 05:33	11/09/22 01:50	1
Sodium	3870		2000		ug/L		11/08/22 05:33	11/09/22 01:50	1
Method: SW846 6020A - Metals (ICP/MS) -	Diss	olved							
Analyte F	esult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:35	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:35	2
Manganese	198		5.00		ug/L		11/10/22 14:16	11/14/22 19:35	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:35	2
Q10000	10.000		1000				44 (4 0 (00 4 4 4 0	44 (4 4 (2) 4 0 - 2 5	2
Iron	181		50.0		ug/L		11/10/22 14:16	11/14/22 19:35	2
Iron : Method: SW846 6020B - Metals (ICP/MS)	181		50.0		ug/L		11/10/22 14:16	11/14/22 19:35	2
Method: SW846 6020B - Metals (ICP/MS)		Qualifier	50.0	MDL		D	Prepared	Analyzed	
Method: SW846 6020B - Metals (ICP/MS)				MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte	esult 5.00	U	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte F Selenium Method: SW846 6020B - Metals (ICP/MS) -	esult 5.00 Total	U	RL	MDL	Unit ug/L	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte F Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte F	esult 5.00 Total	U Recoverable Qualifier	RL	3.	Unit ug/L		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:59	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony	esult 5.00 Total esult	Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit		Prepared 11/10/22 14:07	Analyzed 11/14/22 23:59 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic	5.00 Total esult 5.00	Recoverable Qualifier	RL 5.00	3.	Unit ug/L Unit ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33	Analyzed 11/14/22 23:59 Analyzed 11/09/22 19:35	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte F Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte F Antimony Arsenic Barium	5.00 Total esult 5.00 3.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00	3.	Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:59 Analyzed 11/09/22 19:35 11/09/22 19:35	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium	5.00 Total esult 5.00 3.00 77.8	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00	3.	Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:59 Analyzed 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium Cadmium	5.00 Total esult 5.00 3.00 77.8	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L Ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:59 Analyzed 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	esult 5.00 Total esult 5.00 3.00 77.8 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:59 Analyzed 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	esult 5.00 Total esult 5.00 3.00 77.8 0.500 0.500 5.00	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:59 Analyzed 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium	esult 5.00 Total esult 5.00 3.00 77.8 0.500 5.00 1.24	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:07 Prepared 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33 11/08/22 05:33	Analyzed 11/14/22 23:59 Analyzed 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35 11/09/22 19:35	Dil Fac 2 Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-41

Matrix: Water

Client Sample ID: AF47654

Date Collected: 11/03/22 11:04 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	51400		500		ug/L		11/08/22 05:57	11/08/22 18:06	1
lron .	1100		100		ug/L		11/08/22 05:57	11/08/22 18:06	1
Magnesium	1270		500		ug/L		11/08/22 05:57	11/08/22 18:06	1
Potassium	1080		1000		ug/L		11/08/22 05:57	11/08/22 18:06	1
Sodium	3340		2000		ug/L		11/08/22 05:57	11/08/22 18:06	1
Method: SW846 6020A - Metals (ICP/MS)	- Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:38	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:38	2
Manganese	113		5.00		ug/L		11/10/22 14:16	11/14/22 19:38	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:38	2
I <mark>ron</mark>	437		50.0		ug/L		11/10/22 14:16	11/14/22 19:38	2
Method: SW846 6020B - Metals (ICP/MS)									
SECURIOR SEC	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result 10.0		RL 10.0	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:09	Analyzed 11/14/22 15:28	Dil Fac
Analyte Selenium	10.0 - Tot al	U Recoverable	10.0	3.	ug/L	<u>D</u>			2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS)	10.0 - Total Result	U Recoverable Qualifier	10.0	3.	ug/L Unit	<u>D</u>	11/10/22 14:09 Prepared	11/14/22 15:28 Analyzed	
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte	10.0 - Tot al	U Recoverable Qualifier	10.0	3.	ug/L		11/10/22 14:09	11/14/22 15:28	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony	10.0 - Total Result	Recoverable Qualifier U	10.0	3.	ug/L Unit		11/10/22 14:09 Prepared	11/14/22 15:28 Analyzed	2 Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium	10.0 - Total Result 5.00	Recoverable Qualifier U	10.0 RL 5.00	3.	ug/L Unit ug/L		11/10/22 14:09 Prepared 11/08/22 05:57	11/14/22 15:28 Analyzed 11/08/22 21:12	2 Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic	10.0 - Total Result 5.00 3.00	Recoverable Qualifier U	10.0 RL 5.00 3.00	3.	ug/L Unit ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:12 11/08/22 21:12	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium	10.0 - Total Result 5.00 3.00 40.3	Recoverable Qualifier U U	10.0 RL 5.00 3.00 5.00	3.	ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium	10.0 - Total Result 5.00 3.00 40.3 0.500	Recoverable Qualifier U U	10.0 RL 5.00 3.00 5.00 0.500	3.	Unit ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium	10.0 - Total Result 5.00 3.00 40.3 0.500 0.500	Recoverable Qualifier U U U	10.0 RL 5.00 3.00 5.00 0.500 0.500	3.	ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12	Dil Fac 1 1 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	10.0 - Total Result 5.00 3.00 40.3 0.500 0.500 5.00	Recoverable Qualifier U U U U U U U	10.0 RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12	Dil Fac 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	10.0 - Total Result 5.00 3.00 40.3 0.500 0.500 5.00 0.500	Recoverable Qualifier U U U U U U U	RL 5.00 3.00 5.00 0.500 0.500 5.00	3.	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12 11/08/22 21:12	Dil Fac 1 1 1 1 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-42

Matrix: Water

Client Sample ID: AF47657

Date Collected: 11/03/22 12:20 Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	6360	<u> </u>	500		ug/L		11/08/22 05:57	11/08/22 18:21	-
Iron	886		100		ug/L		11/08/22 05:57	11/08/22 18:21	1
Magnesium	500	U	500		ug/L		11/08/22 05:57	11/08/22 18:21	1
Potassium	1000	U	1000		ug/L		11/08/22 05:57	11/08/22 18:21	1
Sodium	3550		2000		ug/L		11/08/22 05:57	11/08/22 18:21	1
Method: SW846 6020A - Metals (ICP/MS)	- Disse	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:42	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:42	2
Manganese	43.4		5.00		ug/L		11/10/22 14:16	11/14/22 19:42	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:42	2
Iron	931		50.0		ug/L		11/10/22 14:16	11/14/22 19:42	2
Method: SW846 6020B - Metals (ICP/MS))								
Control of the Contro	,	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium	,		RL 5.00	MDL	Unit ug/L	<u>D</u>	Prepared 11/10/22 14:09	Analyzed 11/14/22 15:35	Dil Fac
Analyte Selenium	Result 5.00	U		MDL		<u>D</u>			
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS)	Result 5.00) - Total	U				<u>D</u>			
Analyte	Result 5.00) - Total	U Recoverable Qualifier	5.00		ug/L		11/10/22 14:09	11/14/22 15:35	2
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte	Result 5.00) - Total Result	Recoverable Qualifier	5.00 RL		ug/L Unit		11/10/22 14:09 Prepared	11/14/22 15:35 Analyzed	2 Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony	Fesult 5.00 - Total Result 5.00	Recoverable Qualifier	5.00 RL 5.00		ug/L Unit ug/L		11/10/22 14:09 Prepared 11/08/22 05:57	11/14/22 15:35 Analyzed 11/08/22 21:20	2 Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic	5.00 - Total Result 5.00 3.00	Recoverable Qualifier U	5.00 RL 5.00 3.00		ug/L Unit ug/L ug/L		11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:20 11/08/22 21:20	Dil Fac
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium	7.00 Fesult 5.00 Result 5.00 3.00	Recoverable Qualifier U U	5.00 RL 5.00 3.00 5.00		ug/L Unit ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium	Result 5.00) - Total Result 5.00 3.00 17.2 0.500	U Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20	Dil Fac 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium	Result 5.00) - Total Result 5.00 3.00 17.2 0.500 0.500	U Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500		ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20	Dil Fac 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Result 5.00) - Total Result 5.00 3.00 17.2 0.500 0.500 5.00	Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20	Dil Fac 1 1 1 1 1 1 1
Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	Result 5.00) - Total Result 5.00 3.00 17.2 0.500 0.500 5.00 2.06	Recoverable Qualifier U U U	5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20 11/08/22 21:20	Dil Fac 1 1 1 1 1 1 1 1 1

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

Lab Sample ID: 680-224844-43

Matrix: Water

Job ID: 680-224844-1

Client Sample ID: AF47664 Date Collected: 11/03/22 13:44

Date Received: 11/05/22 11:38

Analyte Res	ult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium 20	20		500		ug/L		11/08/22 05:57	11/08/22 18:24	1
Iron 3	83		100		ug/L		11/08/22 05:57	11/08/22 18:24	1
Magnesium 5	00	U	500		ug/L		11/08/22 05:57	11/08/22 18:24	1
Potassium 10	00	U	1000		ug/L		11/08/22 05:57	11/08/22 18:24	1
Sodium 40	40		2000		ug/L		11/08/22 05:57	11/08/22 18:24	1
Method: SW846 6020A - Metals (ICP/MS) - Di	sso	lved							
Analyte Res	ult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium 0.5	00	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:55	2
Cobalt 1	2.5		2.00		ug/L		11/10/22 14:16	11/14/22 19:55	2
Manganese 7	7.3		5.00		ug/L		11/10/22 14:16	11/14/22 19:55	2
Lithium 5	00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:55	2
Iron 5	97		50.0		ug/L		11/10/22 14:16	11/14/22 19:55	2
Iron 5 Method: SW846 6020B - Metals (ICP/MS)	97		50.0		ug/L		11/10/22 14:16	11/14/22 19:55	2
Method: SW846 6020B - Metals (ICP/MS)		Qualifier	50.0	MDL	ug/L Unit	D	11/10/22 14:16 Prepared	11/14/22 19:55 Analyzed	
Method: SW846 6020B - Metals (ICP/MS) Analyte Res				MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res	<u>ult</u> 00	U	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To	ult 00	U	RL		Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res	ult 00 tal	U Recoverable	RL		Unit ug/L		Prepared 11/10/22 14:09	Analyzed 11/14/22 15:39	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res Antimony 5	ult 00 tal	Recoverable Qualifier	RL 5.00		Unit ug/L Unit		Prepared 11/10/22 14:09 Prepared	Analyzed 11/14/22 15:39 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res Antimony 5 Arsenic 3	ult 00 tal ult	Recoverable Qualifier	RL 5.00		Unit ug/L Unit ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57	Analyzed 11/14/22 15:39 Analyzed 11/08/22 21:23	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res Antimony 5 Arsenic 3	ult 00 tal ult 00 00	Recoverable Qualifier	RL 5.00 RL 5.00 3.00		Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:39 Analyzed 11/08/22 21:23 11/08/22 21:23	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res Antimony 5 Arsenic 3 Barium 3 Beryllium 0.7	ult 00 tal ult 00 00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00 5.00		Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:39 Analyzed 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res Antimony 5 Arsenic 3 Barium 3 Beryllium 0.7 Cadmium 0.8	ult 00 tal 00 00 1.1	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:39 Analyzed 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res Antimony 5 Arsenic 3 Barium 3 Beryllium 0.7 Cadmium 0.5 Chromium 5	ult	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:39 Analyzed 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res Antimony 5 Arsenic 3 Barium 3 Beryllium 0.7 Cadmium 0.5 Chromium 5 Cobalt 1	ult	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:39 Analyzed 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23	Dil Fac 2 Dil Fac 1 1 1 1 1 1
Method: SW846 6020B - Metals (ICP/MS) Analyte Res Selenium 5 Method: SW846 6020B - Metals (ICP/MS) - To Analyte Res Antimony 5 Arsenic 3 Barium 3 Beryllium 0.5 Chromium 5 Cobalt 1 Lead 2	ult	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:39 Analyzed 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23 11/08/22 21:23	Dil Fac 2 Dil Fac 1 1 1 1 1 1

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-44

Matrix: Water

Client Sample ID: AF47656 Date Collected: 11/03/22 14:49

Date Received: 11/05/22 11:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	58600		500		ug/L		11/08/22 05:57	11/08/22 18:27	1
lron .	513		100		ug/L		11/08/22 05:57	11/08/22 18:27	1
M agnesium	1520		500		ug/L		11/08/22 05:57	11/08/22 18:27	1
Potassium	1000	U	1000		ug/L		11/08/22 05:57	11/08/22 18:27	1
Sodium	7450		2000		ug/L		11/08/22 05:57	11/08/22 18:27	1
Method: SW846 6020A - Metals (ICP/MS) -	Diss	olved							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 19:59	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 19:59	2
Manganese	161		5.00		ug/L		11/10/22 14:16	11/14/22 19:59	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 19:59	2
Processors.	000						11110100 11110	4444004050	2
Iron	235		50.0		ug/L		11/10/22 14:16	11/14/22 19:59	2
Iron Method: SW846 6020B - Metals (ICP/MS)	235		50.0		ug/L		11/10/22 14:16	11/14/22 19:59	2
Method: SW846 6020B - Metals (ICP/MS) Analyte	Result	Qualifier	RL	MDL		D	11/10/22 14:16 Prepared	Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte			S V - S	MDL		<u>D</u>			Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS)	Result 5.00 Total	U Recoverable	RL 5.00		Unit ug/L	<u>D</u>	Prepared 11/10/22 14:09	Analyzed 11/14/22 15:42	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS)	Result 5.00 Total Result	U Recoverable Qualifier	RL 5.00		Unit	<u>D</u>	Prepared 11/10/22 14:09 Prepared	Analyzed 11/14/22 15:42 Analyzed	
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte	Result 5.00 Total	U Recoverable Qualifier	RL 5.00		Unit ug/L		Prepared 11/10/22 14:09	Analyzed 11/14/22 15:42	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony	Result 5.00 Total Result	Recoverable Qualifier	RL 5.00		Unit ug/L Unit		Prepared 11/10/22 14:09 Prepared	Analyzed 11/14/22 15:42 Analyzed	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic	Fesult 5.00 Total Result 5.00	Recoverable Qualifier	RL 5.00 RL 5.00		Unit ug/L Unit ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57	Analyzed 11/14/22 15:42 Analyzed 11/08/22 21:25	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) Analyte Antimony Arsenic Barium	Fesult 5.00 Total Result 5.00 3.00	Recoverable Qualifier U	RL 5.00 RL 5.00 3.00		Unit ug/L Unit ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:42 Analyzed 11/08/22 21:25 11/08/22 21:25	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium	5.00 Total Result 5.00 3.00 56.6	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00		Unit ug/L Unit ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:42 Analyzed 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium Cadmium	5.00 Total Result 5.00 3.00 56.6 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L Unit ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:42 Analyzed 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium	5.00 Total Result 5.00 3.00 56.6 0.500 0.500	Recoverable Qualifier U U	RL 5.00 RL 5.00 3.00 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:42 Analyzed 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25	Dil Fac
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS) - Analyte Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	Total 5.00 Total 5.00 3.00 56.6 0.500 0.500 5.00	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 0.500 5.00		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:42 Analyzed 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25	Dil Fac 2 Dil Fac 1 1 1 1 1 1
Method: SW846 6020B - Metals (ICP/MS) Analyte Selenium Method: SW846 6020B - Metals (ICP/MS)	Total Result 5.00 3.00 56.6 0.500 0.500 5.00 0.765	Recoverable Qualifier U U U	RL 5.00 RL 5.00 3.00 5.00 0.500 5.00 0.500		Unit ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		Prepared 11/10/22 14:09 Prepared 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57 11/08/22 05:57	Analyzed 11/14/22 15:42 Analyzed 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25 11/08/22 21:25	Dil Fac 2 Dil Fac 1 1 1 1 1 1 1 1 1

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Job ID: 680-224844-1

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

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 680-749406/1-A

Matrix: Water

Analysis Batch: 749694

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 749406

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	U	500		ug/L		11/08/22 04:59	11/08/22 23:03	1
Iron	100	U	100		ug/L		11/08/22 04:59	11/08/22 23:03	1
Magnesium	500	U	500		ug/L		11/08/22 04:59	11/08/22 23:03	1
Potassium	1000	U	1000		ug/L		11/08/22 04:59	11/08/22 23:03	1
Sodium	2000	U	2000		ug/L		11/08/22 04:59	11/08/22 23:03	1

Lab Sample ID: LCS 680-749406/2-A

Matrix: Water

Analysis Batch: 749694

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable

Prep Batch: 749406

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	5000	4956		ug/L		99	80 - 120	
Iron	5000	5187		ug/L		104	80 - 120	
Magnesium	5010	4871		ug/L		97	80 - 120	
Potassium	7970	7809		ug/L		98	80 - 120	* hc/bod/bal//bd
Sodium	5050	4886		ug/L		97	80 - 120	

Lab Sample ID: 680-224844-1 MS

Matrix: Water

Analysis Batch: 749694

Client Sample ID: AF47633 Prep Type: Total Recoverable

Prep Batch: 749406

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	13100		5000	17840	·	ug/L		94	75 - 125	
Iron	10900		5000	15110		ug/L		84	75 - 125	
Magnesium	647		5010	5510		ug/L		97	75 - 125	
Potassium	1000	U	7970	8392		ug/L		97	75 - 125	
Sodium	5680		5050	10460		ug/L		95	75 - 125	

Lab Sample ID: 680-224844-1 MSD

Matrix: Water

Analysis Batch: 749694

Client Sample ID: AF47633 Prep Type: Total Recoverable

Prep Batch: 749406

								1 I CP I	DOLLOTT. 1	10100
Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
13100		5000	17490		ug/L		87	75 - 125	2	20
10900		5000	14800		ug/L		78	75 - 125	2	20
647		5010	5393		ug/L		95	75 - 125	2	20
1000	U	7970	8193		ug/L		95	75 - 125	2	20
5680		5050	10140		ug/L		88	75 - 125	3	20
	Result 13100 10900 647 1000	10900 647 1000 U	Result Qualifier Added 13100 5000 10900 5000 647 5010 1000 U 7970	Result Qualifier Added Result 13100 5000 17490 10900 5000 14800 647 5010 5393 1000 U 7970 8193	Result Qualifier Added Result Qualifier 13100 5000 17490 10900 5000 14800 647 5010 5393 1000 U 7970 8193	Result Qualifier Added Result Qualifier Unit 13100 5000 17490 ug/L 10900 5000 14800 ug/L 647 5010 5393 ug/L 1000 U 7970 8193 ug/L	Result Qualifier Added Result Qualifier Unit D 13100 5000 17490 ug/L 10900 5000 14800 ug/L 647 5010 5393 ug/L 1000 U 7970 8193 ug/L	Result Qualifier Added Result Qualifier Unit D %Rec 13100 5000 17490 ug/L 87 10900 5000 14800 ug/L 78 647 5010 5393 ug/L 95 1000 U 7970 8193 ug/L 95	Sample Result Sample Qualifier Spike Added Result MSD Qualifier Unit Unit Unit Unit Unit Unit Unit Unit	Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD 13100 5000 17490 ug/L 87 75 - 125 2 10900 5000 14800 ug/L 78 75 - 125 2 647 5010 5393 ug/L 95 75 - 125 2 1000 U 7970 8193 ug/L 95 75 - 125 2

Lab Sample ID: MB 680-749408/1-A

Matrix: Water

Analysis Batch: 749694

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 749408

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	U	500	3	ug/L	2 -2	11/08/22 05:33	11/09/22 00:28	1
Iron	100	U	100		ug/L		11/08/22 05:33	11/09/22 00:28	1
Magnesium	500	U	500		ug/L		11/08/22 05:33	11/09/22 00:28	1
Potassium	1000	U	1000		ug/L		11/08/22 05:33	11/09/22 00:28	1
Sodium	2000	U	2000		ug/L		11/08/22 05:33	11/09/22 00:28	1

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Job ID: 680-224844-1

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

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 680-749408/2-A

Matrix: Water

Analysis Batch: 749694

Client	Sample	ID:	Lab	Control	Sample

Prep Type: Total Recoverable Prep Batch: 749408

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	5000	4869	-	ug/L		97	80 - 120	
Iron	5000	4976		ug/L		100	80 - 120	
Magnesium	5010	4857		ug/L		97	80 - 120	
Potassium	7970	7756		ug/L		97	80 - 120	
Sodium	5050	4839		ug/L		96	80 - 120	

Lab Sample ID: 680-224844-21 MS

Matrix: Water

Analysis Batch: 749694

Client Sample ID: AF47660 Prep Type: Total Recoverable

Prep Batch: 749408

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	79400		5000	81900	4	ug/L		50	75 - 125	
Iron	2250		5000	7065		ug/L		96	75 - 125	
Magnesium	2700		5010	7402		ug/L		94	75 - 125	
Potassium	1000	U	7970	8745		ug/L		98	75 - 125	
Sodium	14100		5050	18390		ug/L		86	75 - 125	

Lab Sample ID: 680-224844-21 MSD

Matrix: Water

Analysis Batch: 749694

Client Sample ID: AF47660 Prep Type: Total Recoverable

Prep Batch: 749408

23 B										
Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
79400		5000	82320	4	ug/L		58	75 - 125	1	20
2250		5000	7121		ug/L		98	75 - 125	1	20
2700		5010	7413		ug/L		94	75 - 125	0	20
1000	U	7970	8717		ug/L		98	75 - 125	0	20
14100		5050	18470		ug/L		87	75 - 125	0	20
	Result 79400 2250 2700 1000	2250 2700 1000 U	Result Qualifier Added 79400 5000 2250 5000 2700 5010 1000 U 7970	Result Qualifier Added Result 79400 5000 82320 2250 5000 7121 2700 5010 7413 1000 U 7970 8717	Result Qualifier Added Result Qualifier 79400 5000 82320 4 2250 5000 7121 2700 5010 7413 1000 U 7970 8717	Result Qualifier Added Result Qualifier Unit 79400 5000 82320 4 ug/L 2250 5000 7121 ug/L 2700 5010 7413 ug/L 1000 U 7970 8717 ug/L	Result Qualifier Added Result Qualifier Unit D 79400 5000 82320 4 ug/L 2250 5000 7121 ug/L 2700 5010 7413 ug/L 1000 U 7970 8717 ug/L	Result Qualifier Added Result Qualifier Unit D %Rec 79400 5000 82320 4 ug/L 58 2250 5000 7121 ug/L 98 2700 5010 7413 ug/L 94 1000 U 7970 8717 ug/L 98	Result Qualifier Added Result Qualifier Unit D %Rec Limits 79400 5000 82320 4 ug/L 58 75 - 125 2250 5000 7121 ug/L 98 75 - 125 2700 5010 7413 ug/L 94 75 - 125 1000 U 7970 8717 ug/L 98 75 - 125	Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD 79400 5000 82320 4 ug/L 58 75 - 125 1 2250 5000 7121 ug/L 98 75 - 125 1 2700 5010 7413 ug/L 94 75 - 125 0 1000 U 7970 8717 ug/L 98 75 - 125 0

Lab Sample ID: MB 680-749410/1-A

Matrix: Water

Analysis Batch: 749694

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 749410

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	U	500		ug/L		11/08/22 05:57	11/08/22 18:00	1
Iron	100	U	100		ug/L		11/08/22 05:57	11/08/22 18:00	1
Magnesium	500	U	500		ug/L		11/08/22 05:57	11/08/22 18:00	1
Potassium	1000	U	1000		ug/L		11/08/22 05:57	11/08/22 18:00	1
Sodium	2000	U	2000		ug/L		11/08/22 05:57	11/08/22 18:00	1

Lab Sample ID: LCS 680-749410/2-A

Matrix: Water

Analysis Batch: 749694

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 749410

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	5000	4648		ug/L		93	80 - 120	
Iron	5000	4705		ug/L		94	80 - 120	
Magnesium	5010	4658		ug/L		93	80 - 120	
Potassium	7970	7446		ug/L		93	80 - 120	
Sodium	5050	4700		ug/L		93	80 - 120	

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

Job ID: 680-224844-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 680-224844-41 MS

Matrix: Water

Analysis Batch: 749694

Client Sample ID: AF47654 Prep Type: Total Recoverable

Prep Batch: 749410

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	51400		5000	56750	4	ug/L		106	75 - 125	
Iron	1100		5000	5982		ug/L		98	75 - 125	
Magnesium	1270		5010	6074		ug/L		96	75 - 125	
Potassium	1080		7970	8988		ug/L		99	75 - 125	
Sodium	3340		5050	8173		ug/L		96	75 - 125	

Lab Sample ID: 680-224844-41 MSD

Matrix: Water

Analysis Batch: 749694

Client Sample ID: AF47654 Prep Type: Total Recoverable

Prep Batch: 749410

Sample Sample Spike MISD MISD %Rec RPD Result Qualifier Limits Limit Analyte Added Result Qualifier %Rec RPD Unit Calcium 51400 5000 52930 4 ug/L 30 75 - 125 20 Iron 1100 5000 5503 ug/L 88 75 - 125 8 20 1270 5010 5539 75 - 125 Magnesium ug/L 85 9 20 1080 7970 8244 75 - 125 Potassium ug/L 90 9 20 3340 5050 7557 75 - 125 20 Sodium ug/L 8

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 160-589630/1-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 589630

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:12	11/14/22 17:11	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:12	11/14/22 17:11	2
Manganese	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:11	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:12	11/14/22 17:11	2
Iron	50.0	U	50.0		ug/L		11/10/22 14:12	11/14/22 17:11	2

Lab Sample ID: LCS 160-589630/2-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable

Prep Batch: 589630

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Beryllium	100	97.05	8	ug/L	38 57 38	97	80 - 120	
Cobalt	1000	975.0		ug/L		98	80 - 120	
Manganese	1000	970.5		ug/L		97	80 - 120	
Lithium	100	98.38		ug/L		98	80 - 120	
Iron	10000	9981		ug/L		100	80 - 120	

Lab Sample ID: MB 160-589631/1-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 589631

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.500	U	0.500		ug/L		11/10/22 14:16	11/14/22 18:57	2
Cobalt	2.00	U	2.00		ug/L		11/10/22 14:16	11/14/22 18:57	2
Manganese	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 18:57	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 18:57	2
Lithium	5.00	U	5.00		ug/L		11/10/22 14:16	11/14/22 18:57	2

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

Lab Sample ID: MB 160-589631/1-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 589631

Prep Type: Dissolved

Prep Type: Dissolved

Prep Type: Dissolved

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	50.0	U	50.0		ug/L		11/10/22 14:16	11/14/22 18:57	2

Lab Sample ID: LCS 160-589631/2-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total Recoverable

Analysis Batch: 590073

Prep Batch: 589631 Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit D %Rec Beryllium 100 96.02 80 - 120 ug/L 96 1000 982.7 80 - 120 Cobalt ug/L 98 1000 973.0 ug/L 97 80 - 120 Manganese Lithium 100 96.85 80 - 120 ug/L Iron 10000 9867 ug/L 99 80 - 120

Lab Sample ID: 680-224844-1 MS Client Sample ID: AF47633

Matrix: Water

Analysis Batch: 590073

Analysis Batch: 590073									Prep Bate	ch: 589629
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Beryllium	0.500	U	100	98.80	Į. .	ug/L		98	75 - 125	
Cobalt	3.42		1000	959.5		ug/L		96	75 - 125	
Manganese	13.0		1000	939.4		ug/L		93	75 - 125	
Lithium	6.06		100	106.6		ug/L		101	75 - 125	
Iron	10900		10000	20000		ua/L		90	75 - 125	

Lab Sample ID: 680-224844-1 MSD Client Sample ID: AF47633

Matrix: Water

Analysis Batch: 590073

Allalysis balcil. 330073									Fiehi	Dalcii. J	03023
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Beryllium	0.500	U	100	100.1	1.5	ug/L		100	75 - 125	1	20
Cobalt	3.42		1000	978.5		ug/L		98	75 - 125	2	20
Manganese	13.0		1000	990.0		ug/L		98	75 - 125	5	20
Lithium	6.06		100	106.6		ug/L		101	75 - 125	0	20
Iron	10900		10000	20530		ua/L		96	75 - 125	3	20

Lab Sample ID: 680-224844-17 MS Client Sample ID: AF47624

Matrix: Water

Analysis Batch: 5900/3									Prep Batc	n: 589630
~	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Beryllium	4.57	2	100	103.9		ug/L		99	75 - 125	
Cobalt	14.3		1000	973.4		ug/L		96	75 - 125	
Manganese	84.2		1000	1029		ug/L		94	75 - 125	
Lithium	12.4		100	113.3		ug/L		101	75 - 125	
Iron	118000		10000	126600	4	ug/L		88	75 - 125	

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Job ID: 680-224844-1

Client: South Carolina Public Service Authority

Project/Site: 125915/JM02.09.G01.1/36500

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

Lab Sample ID: 680-224844-17 MSD Client Sample ID: AF47624

Matrix: Water

Analysis Batch: 590073

Prep Type: Dissolved

Prep Batch: 589630

•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Beryllium	4.57	· · · · · · · · · · · · · · · · · · ·	100	102.0	7	ug/L		97	75 - 125	2	20
Cobalt	14.3		1000	971.3		ug/L		96	75 - 125	0	20
Manganese	84.2		1000	1041		ug/L		96	75 - 125	1	20
Lithium	12.4		100	111.0		ug/L		99	75 - 125	2	20
Iron	118000		10000	127400	4	ug/L		96	75 - 125	1	20

Lab Sample ID: 680-224844-37 MS

Matrix: Water

Analysis Batch: 590073

Client Sample ID: AF47641

Prep Type: Dissolved Prep Batch: 589631

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Beryllium	0.500	U	100	99.36		ug/L		99	75 - 125	
Cobalt	56.7		1000	984.6		ug/L		93	75 - 125	
Manganese	1710		1000	2607		ug/L		90	75 - 125	
Lithium	8.26		100	108.8		ug/L		101	75 - 125	
Iron	532		10000	10060		ug/L		95	75 - 125	

Spike

Added

100

1000

1000

100

10000

MSD MSD

98.85

998.9

2619

105.4

10130

Result Qualifier

Unit

ug/L

ug/L

ug/L

ug/L

ug/L

D

91

Lab Sample ID: 680-224844-37 MSD

Sample Sample

Result Qualifier

U

MB MB

0.500

56.7

1710

8.26

532

Matrix: Water

Analyte

Beryllium

Manganese

Cobalt

Lithium

Iron

Analysis Batch: 590073

Client Sample ID: AF47641

Prep Type: Dissolved

0

Prep Batch: 589631

RPD Limits Limit RPD %Rec 99 75 - 125 20 94 75 - 125 20

			(1 mm / / mm)
Method:	6020B	- Metals	(ICP/MS)

Lab Sample ID: MB 160-589627/1-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Method Blank

75 - 125

75 - 125

75 - 125

Prep Type: Total/NA Prep Batch: 589627

Result Qualifier RL MDL Unit Dil Fac Analyte Prepared Analyzed 5.00 11/10/22 14:04 11/14/22 20:13 Selenium 5.00 U ug/L

Lab Sample ID: LCS 160-589627/2-A

Matrix: Water

Analysis Batch: 590073

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 589627

Client Sample ID: AF47632

Prep Batch: 589627

Spike LCS LCS %Rec Added Result Qualifier Limits **Analyte** Unit D %Rec 500 80 - 120 Selenium 491.3 ug/L 98

Lab Sample ID: 680-224844-2 MS

Matrix: Water

Analyte

Selenium

Analysis Batch: 590073

Sample Sample Spike %Rec MS MS Result Qualifier Added Result Qualifier Unit %Rec Limits 10.0 U 1000 985.8 ug/L 75 - 125

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20

20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 680-224844-2 MSD								Cli	ent Sample	e ID: AF	47632
Matrix: Water									Prep T	ype: To	tal/NA
Analysis Batch: 590073									Prep E	3atch: 5	89627
Sa	ample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte R	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Selenium	10.0	U	1000	1024		ug/L		102	75 - 125	4	20

Lab Sample ID: MB 160-589628/1-A Client Sample ID: Method Blank Matrix: Water

Prep Type: Total/NA Prep Batch: 589628

Client Sample ID: AF47635

Prep Type: Total/NA

Analysis Batch: 590073 MB MB

Result Qualifier MDL Unit RL D Prepared Analyzed Dil Fac 5.00 U 5.00 ug/L 11/10/22 14:07 11/14/22 22:13

Lab Sample ID: LCS 160-589628/2-A Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA Analysis Batch: 590073 Prep Batch: 589628

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

500 80 - 120 Selenium 490.1 ug/L

Lab Sample ID: 680-224844-24 MS Client Sample ID: AF47635

Matrix: Water Prep Type: Total/NA Prep Batch: 589628

Analysis Batch: 590073 Sample Sample Spike MS MS %Rec

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Selenium 10.0 1000 924.1 75 - 125

ug/L

Lab Sample ID: 680-224844-24 MSD

Matrix: Water

Analysis Batch: 590073

Analyte

Selenium

Prep Batch: 589628 Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 10.0 U 1000 Selenium 969.2 ug/L 97 75 - 125

Lab Sample ID: MB 160-589629/1-A Client Sample ID: Method Blank

Matrix: Water

Analysis Batch: 590073

Prep Type: Total/NA Prep Batch: 589629 MB MB

Analyte Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed 5.00 Selenium 5.00 U ug/L 11/10/22 14:09 11/14/22 15:11

Lab Sample ID: LCS 160-589629/2-A Client Sample ID: Lab Control Sample

Matrix: Water Prep Type: Total/NA Analysis Batch: 590073 Prep Batch: 589629

LCS LCS Spike %Rec Added Limits

Result Qualifier %Rec Analyte Unit D Selenium 500 479.0 96 80 - 120 ug/L

Lab Sample ID: MB 680-749407/1-A Client Sample ID: Method Blank

Matrix: Water Prep Type: Total Recoverable Analysis Batch: 749990 Prep Batch: 749407

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 5.00 Antimony 5.00 U ug/L 11/08/22 04:59 11/09/22 16:55

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Client: South Carolina Public Service Authority

5.00 U

1.00 U

1.00 U

Job ID: 680-224844-1

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

Lab Sample ID: MB 680-749407/1-A

Lab Sample ID: LCS 680-749407/2-A

Project/Site: 125915/JM02.09.G01.1/36500

Matrix: Water

Manganese

Matrix: Water

Analysis Batch: 749990

Thallium

Analysis Batch: 749990

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 749407

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.00	U	3.00		ug/L		11/08/22 04:59	11/09/22 16:55	1
Barium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 16:55	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 16:55	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 16:55	1
Chromium	5.00	U	5.00		ug/L		11/08/22 04:59	11/09/22 16:55	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 04:59	11/09/22 16:55	1
Lead	2.50	U	2.50		ug/L		11/08/22 04:59	11/09/22 16:55	1

5.00

1.00

ug/L

ug/L

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable

11/08/22 04:59

11/08/22 04:59

Prep Batch: 749407

11/09/22 16:55

11/09/22 16:55

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	50.0	51.31	()	ug/L		103	80 - 120	
Arsenic	100	104.3		ug/L		104	80 - 120	
Barium	100	104.2		ug/L		104	80 - 120	
Beryllium	50.0	49.48		ug/L		99	80 - 120	
Cadmium	50.0	50.25		ug/L		101	80 - 120	
Chromium	100	106.5		ug/L		107	80 - 120	
Cobalt	50.0	51.58		ug/L		103	80 - 120	
Lead	505	508.7		ug/L		101	80 - 120	
Manganese	400	407.6		ug/L		102	80 - 120	
Thallium	50.0	50.52		ug/L		101	80 - 120	

Lab Sample ID: 680-224844-1 MS Client Sample ID: AF47633 Matrix: Water Prep Type: Total Recoverable

Analysis Batch: 749990

Prep Batch: 749407 Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Antimony 5.00 U 50.0 52.67 ug/L 105 75 - 125 Arsenic 3.00 U 100 107.2 105 75 - 125 ug/L 100 191.6 75 - 125 Barium 85.1 ug/L 106 51.72 Beryllium 0.500 U 50.0 ug/L 103 75 - 125 52.10 75 - 125 Cadmium 0.500 U 50.0 ug/L 104 Chromium 5.00 U 100 109.3 ug/L 109 75 - 125 Cobalt 50.0 53.72 75 - 125 1.89 ug/L 104 Lead 2.50 U 505 525.8 ug/L 104 75 - 125 129 400 426.3 ug/L 103 75 - 125 Manganese

50.0

Lab Sample ID: 680-224844-1 MSD

Matrix: Water

Thallium

Client Sample ID: AF47633 Prep Type: Total Recoverable

75 - 125

104

Analysis Batch: 749990									Prep	Batch: /	49407
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	5.00	U	50.0	54.16	2.	ug/L		108	75 - 125	3	20
Arsenic	3.00	U	100	110.6		ug/L		108	75 - 125	3	20

51.86

ug/L

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11/22/2022

Job ID: 680-224844-1

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

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

Lab Sample ID: 680-224844-1 MSD

Matrix: Water

Analysis Batch: 749990

Client Sample ID: AF47633

Prep Type: Total Recoverable

Prep Batch: 749407

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Barium	85.1		100	195.2		ug/L		110	75 - 125	2	20
Beryllium	0.500	U	50.0	51.77		ug/L		103	75 - 125	0	20
Cadmium	0.500	U	50.0	53.92		ug/L		108	75 - 125	3	20
Chromium	5.00	U	100	112.0		ug/L		112	75 - 125	2	20
Cobalt	1.89		50.0	55.08		ug/L		106	75 - 125	3	20
Lead	2.50	U	505	537.3		ug/L		106	75 - 125	2	20
Manganese	12.9		400	435.8		ug/L		106	75 - 125	2	20
Thallium	1.00	U	50.0	53.77		ug/L		108	75 - 125	4	20

Lab Sample ID: MB 680-749409/1-A

Matrix: Water

Analysis Batch: 749990

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 749409

2									
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Antimony	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:22	
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:33	11/09/22 18:22	1
Barium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:22	
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:22	
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:22	
Chromium	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:22	
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:33	11/09/22 18:22	
Lead	2.50	U	2.50		ug/L		11/08/22 05:33	11/09/22 18:22	
Manganese	5.00	U	5.00		ug/L		11/08/22 05:33	11/09/22 18:22	
Thallium	1.00	U	1.00		ug/L		11/08/22 05:33	11/09/22 18:22	

Lab Sample ID: LCS 680-749409/2-A

Matrix: Water

Analysis Batch: 749990

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 749409

						Fieb Date	CII. 743403
Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
50.0	52.63	1.5	ug/L		105	80 - 120	
100	103.3		ug/L		103	80 - 120	
100	101.4		ug/L		101	80 - 120	
50.0	46.53		ug/L		93	80 - 120	
50.0	50.97		ug/L		102	80 - 120	
100	106.3		ug/L		106	80 - 120	
50.0	50.67		ug/L		101	80 - 120	
505	505.1		ug/L		100	80 - 120	
400	404.7		ug/L		101	80 - 120	
50.0	50.18		ug/L		100	80 - 120	
	Added 50.0 100 100 50.0 50.0 100 50.0 50.0 400	Added Result 50.0 52.63 100 103.3 100 101.4 50.0 46.53 50.0 50.97 100 106.3 50.0 50.67 505 505.1 400 404.7	Added Result Qualifier 50.0 52.63 100 103.3 100 101.4 50.0 46.53 50.0 50.97 100 106.3 50.0 50.67 505 505.1 400 404.7	Added Result Qualifier Unit 50.0 52.63 ug/L 100 103.3 ug/L 100 101.4 ug/L 50.0 46.53 ug/L 50.0 50.97 ug/L 100 106.3 ug/L 50.0 50.67 ug/L 505 505.1 ug/L 400 404.7 ug/L	Added Result Qualifier Unit D 50.0 52.63 ug/L ug/L 100 103.3 ug/L ug/L 50.0 46.53 ug/L ug/L 50.0 50.97 ug/L ug/L 100 106.3 ug/L ug/L 50.0 50.67 ug/L ug/L 505 505.1 ug/L ug/L 400 404.7 ug/L ug/L	Added Result Qualifier Unit D %Rec 50.0 52.63 ug/L 105 100 103.3 ug/L 103 100 101.4 ug/L 101 50.0 46.53 ug/L 93 50.0 50.97 ug/L 102 100 106.3 ug/L 106 50.0 50.67 ug/L 101 505 505.1 ug/L 100 400 404.7 ug/L 101	Spike LCS LCS WRec Added Result Qualifier Unit D %Rec Limits 50.0 52.63 ug/L 105 80 - 120 100 103.3 ug/L 103 80 - 120 100 101.4 ug/L 101 80 - 120 50.0 46.53 ug/L 93 80 - 120 50.0 50.97 ug/L 102 80 - 120 100 106.3 ug/L 106 80 - 120 50.0 50.67 ug/L 101 80 - 120 505 505.1 ug/L 100 80 - 120 400 404.7 ug/L 101 80 - 120

Lab Sample ID: 680-224844-21 MS

Matrix: Water

Analysis Batch: 749990

Client Sample ID: AF47660 Prep Type: Total Recoverable

Prep Batch: 749409

ı	, tildiy old Batterin I loose										
		Sample	Sample	Spike	MS	MS				%Rec	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Antimony	5.00	U	50.0	53.35	V .	ug/L	23 (272) 1	107	75 - 125	
	Arsenic	3.00	U	100	108.4		ug/L		108	75 - 125	
	Barium	191		100	291.4		ug/L		100	75 - 125	

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Job ID: 680-224844-1

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

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

Lab Sample ID: 680-224844-21 MS

Matrix: Water

Analysis Batch: 749990

Client Sample ID: AF47660

Prep Type: Total Recoverable

Prep Batch: 749409

	Sample	Sample	Spike	MS	IVIS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Beryllium	0.500	U	50.0	50.26		ug/L		101	75 - 125	
Cadmium	0.500	U	50.0	52.36		ug/L		105	75 - 125	
Chromium	5.00	U	100	108.9		ug/L		109	75 - 125	
Cobalt	7.45		50.0	58.63		ug/L		102	75 - 125	
Lead	2.50	U	505	526.4		ug/L		104	75 - 125	
Manganese	104		400	503.7		ug/L		100	75 - 125	
Thallium	1.00	U	50.0	53.02		ug/L		106	75 - 125	

Lab Sample ID: 680-224844-21 MSD

Matrix: Water

Analysis Batch: 749990

Client Sample ID: AF47660

Prep Type: Total Recoverable

Prep Batch: 749409

Analysis Daton. 140000									1 ICP	Jacon. 7	10400
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	5.00	U	50.0	56.36		ug/L	12 (7-2)	113	75 - 125	5	20
Arsenic	3.00	U	100	112.7		ug/L		113	75 - 125	4	20
Barium	191		100	307.1		ug/L		116	75 - 125	5	20
Beryllium	0.500	U	50.0	52.84		ug/L		106	75 - 125	5	20
Cadmium	0.500	U	50.0	54.86		ug/L		110	75 - 125	5	20
Chromium	5.00	U	100	115.9		ug/L		116	75 - 125	6	20
Cobalt	7.45		50.0	61.14		ug/L		107	75 - 125	4	20
Lead	2.50	U	505	553.2		ug/L		109	75 - 125	5	20
Manganese	104		400	531.4		ug/L		107	75 - 125	5	20
Thallium	1.00	U	50.0	56.03		ug/L		112	75 - 125	6	20

Lab Sample ID: MB 680-749411/1-A

Matrix: Water

Analysis Batch: 749688

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 749411

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:06	1
Arsenic	3.00	U	3.00		ug/L		11/08/22 05:57	11/08/22 21:06	1
Barium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:06	1
Beryllium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:06	1
Cadmium	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:06	1
Chromium	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:06	1
Cobalt	0.500	U	0.500		ug/L		11/08/22 05:57	11/08/22 21:06	1
Lead	2.50	U	2.50		ug/L		11/08/22 05:57	11/08/22 21:06	1
Manganese	5.00	U	5.00		ug/L		11/08/22 05:57	11/08/22 21:06	1
Thallium	1.00	U	1.00		ug/L		11/08/22 05:57	11/08/22 21:06	1

Lab Sample ID: LCS 680-749411/2-A

Matrix: Water

Analysis Batch: 749688

Client Sample ID: Lab Control Sample Prep Type: Total Recoverable

Prep Batch: 749411

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	50.0	51.66	V-	ug/L		103	80 - 120	
Arsenic	100	101.7		ug/L		102	80 - 120	
Barium	100	101.4		ug/L		101	80 - 120	
Beryllium	50.0	49.97		ug/L		100	80 - 120	

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

Job ID: 680-224844-1

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

Lab Sample ID: LCS 680-749411/2-A Matrix: Water

Analysis Batch: 749688

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 749411

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Cadmium	50.0	51.72	· -	ug/L		103	80 - 120	
Chromium	100	105.6		ug/L		106	80 - 120	
Cobalt	50.0	52.84		ug/L		106	80 - 120	
Lead	505	493.0		ug/L		98	80 - 120	
Manganese	400	393.6		ug/L		98	80 - 120	
Thallium	50.0	48.78		ug/L		98	80 - 120	

Lab Sample ID: 680-224844-41 MS

Matrix: Water

Analysis Batch: 749688

Client Sample ID: AF47654 Prep Type: Total Recoverable

Prep Batch: 749411

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Antimony 5.00 U 50.0 53.25 ug/L 107 75 - 125 3.00 U Arsenic 100 104.9 105 75 - 125 ug/L Barium 40.3 100 140.1 ug/L 100 75 - 125 Beryllium 0.500 U 50.0 53.58 107 75 - 125 ug/L Cadmium 0.500 U 50.0 52.08 ug/L 104 75 - 125 Chromium 5.00 U 100 108.4 108 75 - 125 ug/L Cobalt 0.500 U 50.0 54.23 ug/L 109 75 - 125 Lead 2.50 U 505 514.3 ug/L 102 75 - 125 400 Manganese 114 517.9 ug/L 101 75 - 125 Thallium 1.00 U 50.0 103 75 - 125 51.44 ug/L

Lab Sample ID: 680-224844-41 MSD

Matrix: Water

Analysis Batch: 749688

Client Sample ID: AF47654

Prep Type: Total Recoverable

Prep Batch: 749411

Allalysis Datell. 140000									richi	Date II. 7	70711
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	5.00	U	50.0	50.44) .	ug/L		101	75 - 125	5	20
Arsenic	3.00	U	100	100.8		ug/L		101	75 - 125	4	20
Barium	40.3		100	135.4		ug/L		95	75 - 125	3	20
Beryllium	0.500	U	50.0	50.64		ug/L		101	75 - 125	6	20
Cadmium	0.500	U	50.0	49.89		ug/L		100	75 - 125	4	20
Chromium	5.00	U	100	103.1		ug/L		103	75 - 125	5	20
Cobalt	0.500	U	50.0	51.72		ug/L		104	75 - 125	5	20
Lead	2.50	U	505	485.0		ug/L		96	75 - 125	6	20
Manganese	114		400	495.2		ug/L		95	75 - 125	4	20
Thallium	1.00	U	50.0	48.73		ug/L		97	75 - 125	5	20

QC Association Summary

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

Job ID: 680-224844-1

Metals

Prep Batch: 589627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
80-224844-1	AF47633	Total/NA	Water	3010A	
680-224844-2	AF47632	Total/NA	Water	3010A	
680-224844-3	AF47651	Total/NA	Water	3010A	
680-224844-4	AF47650	Total/NA	Water	3010A	
680-224844-5	AF47649	Total/NA	Water	3010A	
680-224844-6	AF47647	Total/NA	Water	3010A	
680-224844-7	AF47648	Total/NA	Water	3010A	
680-224844-8	AF47652	Total/NA	Water	3010A	
680-224844-9	AF47646	Total/NA	Water	3010A	
680-224844-10	AF47621	Total/NA	Water	3010A	
680-224844-11	AF47630	Total/NA	Water	3010A	
680-224844-12	AF47628	Total/NA	Water	3010A	
680-224844-13	AF47629	Total/NA	Water	3010A	
680-224844-14	AF47627	Total/NA	Water	3010A	
680-224844-15	AF47626	Total/NA	Water	3010A	
680-224844-16	AF47625	Total/NA	Water	3010A	
680-224844-17	AF47624	Total/NA	Water	3010A	
680-224844-18	AF47623	Total/NA	Water	3010A	
680-224844-19	AF47622	Total/NA	Water	3010A	
680-224844-20	AF47659	Total/NA	Water	3010A	
MB 160-589627/1-A	Method Blank	Total/NA	Water	3010A	
LCS 160-589627/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-224844-2 MS	AF47632	Total/NA	Water	3010A	
680-224844-2 MSD	AF47632	Total/NA	Water	3010A	

Prep Batch: 589628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
680-224844-21	AF47660	Total/NA	Water	3010A	
680-224844-22	AF47661	Total/NA	Water	3010A	
680-224844-23	AF47634	Total/NA	Water	3010A	
680-224844-24	AF47635	Total/NA	Water	3010A	
680-224844-25	AF47636	Total/NA	Water	3010A	
680-224844-26	AF47637	Total/NA	Water	3010A	
80-224844-27	AF47638	Total/NA	Water	3010A	
80-224844-28	AF47643	Total/NA	Water	3010A	
680-224844-29	AF47644	Total/NA	Water	3010A	
80-224844-30	AF47631	Total/NA	Water	3010A	
80-224844-31	AF47655	Total/NA	Water	3010A	
680-224844-32	AF47662	Total/NA	Water	3010A	
80-224844-33	AF47663	Total/NA	Water	3010A	
80-224844-34	AF47658	Total/NA	Water	3010A	
80-224844-35	AF47639	Total/NA	Water	3010A	
80-224844-36	AF47645	Total/NA	Water	3010A	
80-224844-37	AF47641	Total/NA	Water	3010A	
80-224844-38	AF47642	Total/NA	Water	3010A	
80-224844-39	AF47640	Total/NA	Water	3010A	
80-224844-40	AF47653	Total/NA	Water	3010A	
/IB 160-589628/1-A	Method Blank	Total/NA	Water	3010A	
.CS 160-589628/2-A	Lab Control Sample	Total/NA	Water	3010A	
80-224844-24 MS	AF47635	Total/NA	Water	3010A	
680-224844-24 MSD	AF47635	Total/NA	Water	3010A	

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QC Association Summary

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

Job ID: 680-224844-1

Metals

Prep Batch: 589629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
80-224844-1	AF47633	Dissolved	Water	3005A	35. 29
680-224844-2	AF47632	Dissolved	Water	3005A	
680-224844-3	AF47651	Dissolved	Water	3005A	
680-224844-4	AF47650	Dissolved	Water	3005A	
680-224844-5	AF47649	Dissolved	Water	3005A	
680-224844-6	AF47647	Dissolved	Water	3005A	
680-224844-7	AF47648	Dissolved	Water	3005A	
680-224844-8	AF47652	Dissolved	Water	3005A	
580-224844-9	AF47646	Dissolved	Water	3005A	
80-224844-10	AF47621	Dissolved	Water	3005A	
80-224844-11	AF47630	Dissolved	Water	3005A	
80-224844-12	AF47628	Dissolved	Water	3005A	
580-224844-13	AF47629	Dissolved	Water	3005A	
80-224844-14	AF47627	Dissolved	Water	3005A	
680-224844-15	AF47626	Dissolved	Water	3005A	
680-224844-16	AF47625	Dissolved	Water	3005A	
80-224844-41	AF47654	Total/NA	Water	3010A	
680-224844-42	AF47657	Total/NA	Water	3010A	
680-224844-43	AF47664	Total/NA	Water	3010A	
580-224844-44	AF47656	Total/NA	Water	3010A	
MB 160-589629/1-A	Method Blank	Total/NA	Water	3010A	
_CS 160-589629/2-A	Lab Control Sample	Total/NA	Water	3010A	
680-224844-1 MS	AF47633	Dissolved	Water	3005A	
680-224844-1 MSD	AF47633	Dissolved	Water	3005A	

Prep Batch: 589630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
80-224844-17	AF47624	Dissolved	Water	3005A	
680-224844-18	AF47623	Dissolved	Water	3005A	
680-224844-19	AF47622	Dissolved	Water	3005A	
680-224844-20	AF47659	Dissolved	Water	3005A	
680-224844-21	AF47660	Dissolved	Water	3005A	
680-224844-22	AF47661	Dissolved	Water	3005A	
680-224844-23	AF47634	Dissolved	Water	3005A	
80-224844-24	AF47635	Dissolved	Water	3005A	
680-224844-25	AF47636	Dissolved	Water	3005A	
80-224844-26	AF47637	Dissolved	Water	3005A	
80-224844-27	AF47638	Dissolved	Water	3005A	
680-224844-28	AF47643	Dissolved	Water	3005A	
80-224844-29	AF47644	Dissolved	Water	3005A	
80-224844-30	AF47631	Dissolved	Water	3005A	
80-224844-31	AF47655	Dissolved	Water	3005A	
580-224844-32	AF47662	Dissolved	Water	3005A	
80-224844-33	AF47663	Dissolved	Water	3005A	
80-224844-34	AF47658	Dissolved	Water	3005A	
80-224844-35	AF47639	Dissolved	Water	3005A	
80-224844-36	AF47645	Dissolved	Water	3005A	
/IB 160-589630/1-A	Method Blank	Total Recoverable	Water	3010A	
CS 160-589630/2-A	Lab Control Sample	Total Recoverable	Water	3010A	
680-224844-17 MS	AF47624	Dissolved	Water	3005A	
680-224844-17 MSD	AF47624	Dissolved	Water	3005A	

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QC Association Summary

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

Job ID: 680-224844-1

Metals

Prep Batch: 589631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-37	AF47641	Dissolved	Water	3005A	
680-224844-38	AF47642	Dissolved	Water	3005A	
680-224844-39	AF47640	Dissolved	Water	3005A	
680-224844-40	AF47653	Dissolved	Water	3005A	
680-224844-41	AF47654	Dissolved	Water	3005A	
680-224844-42	AF47657	Dissolved	Water	3005A	
680-224844-43	AF47664	Dissolved	Water	3005A	
680-224844-44	AF47656	Dissolved	Water	3005A	
MB 160-589631/1-A	Method Blank	Total Recoverable	Water	3010A	
LCS 160-589631/2-A	Lab Control Sample	Total Recoverable	Water	3010A	
680-224844-37 MS	AF47641	Dissolved	Water	3005A	
680-224844-37 MSD	AF47641	Dissolved	Water	3005A	

Analysis Batch: 590073

_ab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
80-224844-1	AF47633	Dissolved	Water	6020A	589629
80-224844-1	AF47633	Total/NA	Water	6020B	589627
80-224844-2	AF47632	Dissolved	Water	6020A	589629
680-224844-2	AF47632	Total/NA	Water	6020B	589627
80-224844-3	AF47651	Dissolved	Water	6020A	589629
80-224844-3	AF47651	Total/NA	Water	6020B	589627
80-224844-4	AF47650	Dissolved	Water	6020A	589629
80-224844-4	AF47650	Total/NA	Water	6020B	589627
80-224844-5	AF47649	Dissolved	Water	6020A	589629
80-224844-5	AF47649	Total/NA	Water	6020B	589627
80-224844-6	AF47647	Dissolved	Water	6020A	589629
880-224844-6	AF47647	Total/NA	Water	6020B	589627
880-224844-7	AF47648	Dissolved	Water	6020A	589629
80-224844-7	AF47648	Total/NA	Water	6020B	589627
80-224844-8	AF47652	Dissolved	Water	6020A	589629
80-224844-8	AF47652	Total/NA	Water	6020B	589627
80-224844-9	AF47646	Dissolved	Water	6020A	589629
80-224844-9	AF47646	Total/NA	Water	6020B	589627
80-224844-10	AF47621	Dissolved	Water	6020A	589629
80-224844-10	AF47621	Total/NA	Water	6020B	589627
80-224844-11	AF47630	Dissolved	Water	6020A	589629
80-224844-11	AF47630	Total/NA	Water	6020B	589627
880-224844-12	AF47628	Dissolved	Water	6020A	589629
80-224844-12	AF47628	Total/NA	Water	6020B	589627
80-224844-13	AF47629	Dissolved	Water	6020A	589629
80-224844-13	AF47629	Total/NA	Water	6020B	589627
80-224844-14	AF47627	Dissolved	Water	6020A	589629
80-224844-14	AF47627	Total/NA	Water	6020B	589627
80-224844-15	AF47626	Dissolved	Water	6020A	589629
80-224844-15	AF47626	Total/NA	Water	6020B	589627
80-224844-16	AF47625	Dissolved	Water	6020A	589629
80-224844-16	AF47625	Total/NA	Water	6020B	589627
680-224844-17	AF47624	Dissolved	Water	6020A	589630
80-224844-17	AF47624	Total/NA	Water	6020B	589627
680-224844-18	AF47623	Dissolved	Water	6020A	589630
880-224844-18	AF47623	Total/NA	Water	6020B	589627

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

Job ID: 680-224844-1

Metals (Continued)

Analysis Batch: 590073 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
80-224844-19	AF47622	Dissolved	Water	6020A	58963
80-224844-19	AF47622	Total/NA	Water	6020B	58962
80-224844-20	AF47659	Dissolved	Water	6020A	58963
80-224844-20	AF47659	Total/NA	Water	6020B	58962
80-224844-21	AF47660	Dissolved	Water	6020A	58963
80-224844-21	AF47660	Total/NA	Water	6020B	58962
80-224844-22	AF47661	Dissolved	Water	6020A	58963
680-224844-22	AF47661	Total/NA	Water	6020B	58962
680-224844-23	AF47634	Dissolved	Water	6020A	58963
680-224844-23	AF47634	Total/NA	Water	6020B	58962
680-224844-24	AF47635	Dissolved	Water	6020A	58963
80-224844-24	AF47635	Total/NA	Water	6020B	58962
80-224844-25	AF47636	Dissolved	Water	6020A	58963
80-224844-25	AF47636	Total/NA	Water	6020B	58962
880-224844-26	AF47637	Dissolved	Water	6020A	58963
80-224844-26	AF47637	Total/NA	Water	6020B	58962
880-224844-27	AF47638	Dissolved	Water	6020A	58963
880-224844-27	AF47638	Total/NA	Water	6020B	58962
680-224844-28	AF47643	Dissolved	Water	6020A	58963
680-224844-28	AF47643	Total/NA	Water	6020B	58962
680-224844-29	AF47644	Dissolved	Water	6020A	58963
80-224844-29	AF47644	Total/NA	Water	6020B	58962
880-224844-30					58963
	AF47631	Dissolved	Water	6020A 6020B	58962
80-224844-30	AF47631	Total/NA	Water		
880-224844-31	AF47655	Dissolved	Water	6020A	58963
880-224844-31	AF47655	Total/NA	Water	6020B	58962
80-224844-32	AF47662	Dissolved	Water	6020A	58963
80-224844-32	AF47662	Total/NA	Water	6020B	58962
80-224844-33	AF47663	Dissolved	Water	6020A	58963
880-224844-33	AF47663	Total/NA	Water	6020B	58962
880-224844-34	AF47658	Dissolved	Water	6020A	58963
80-224844-34	AF47658	Total/NA	Water	6020B	58962
80-224844-35	AF47639	Dissolved	Water	6020A	58963
80-224844-35	AF47639	Total/NA	Water	6020B	58962
80-224844-36	AF47645	Dissolved	Water	6020A	58963
80-224844-36	AF47645	Total/NA	Water	6020B	58962
880-224844-37	AF47641	Dissolved	Water	6020A	58963
880-224844-37	AF47641	Total/NA	Water	6020B	58962
80-224844-38	AF47642	Dissolved	Water	6020A	58963
80-224844-38	AF47642	Total/NA	Water	6020B	58962
80-224844-39	AF47640	Dissolved	Water	6020A	58963
80-224844-39	AF47640	Total/NA	Water	6020B	58962
80-224844-40	AF47653	Dissolved	Water	6020A	58963
80-224844-40	AF47653	Total/NA	Water	6020B	58962
80-224844-41	AF47654	Dissolved	Water	6020A	58963
80-224844-41	AF47654	Total/NA	Water	6020B	58962
80-224844-42	AF47657	Dissolved	Water	6020A	58963
80-224844-42	AF47657	Total/NA	Water	6020B	58962
80-224844-43	AF47664	Dissolved	Water	6020A	58963
80-224844-43	AF47664	Total/NA	Water	6020B	58962
680-224844-44	AF47656	Dissolved	Water	6020A	58963

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

Job ID: 680-224844-1

Metals (Continued)

Analysis Batch: 590073 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-44	AF47656	Total/NA	Water	6020B	589629
MB 160-589627/1-A	Method Blank	Total/NA	Water	6020B	589627
MB 160-589628/1-A	Method Blank	Total/NA	Water	6020B	589628
MB 160-589629/1-A	Method Blank	Total/NA	Water	6020B	589629
MB 160-589630/1-A	Method Blank	Total Recoverable	Water	6020A	589630
MB 160-589631/1-A	Method Blank	Total Recoverable	Water	6020A	589631
LCS 160-589627/2-A	Lab Control Sample	Total/NA	Water	6020B	589627
LCS 160-589628/2-A	Lab Control Sample	Total/NA	Water	6020B	589628
LCS 160-589629/2-A	Lab Control Sample	Total/NA	Water	6020B	589629
LCS 160-589630/2-A	Lab Control Sample	Total Recoverable	Water	6020A	589630
LCS 160-589631/2-A	Lab Control Sample	Total Recoverable	Water	6020A	589631
680-224844-1 MS	AF47633	Dissolved	Water	6020A	589629
680-224844-1 MSD	AF47633	Dissolved	Water	6020A	589629
680-224844-2 MS	AF47632	Total/NA	Water	6020B	589627
680-224844-2 MSD	AF47632	Total/NA	Water	6020B	589627
680-224844-17 MS	AF47624	Dissolved	Water	6020A	589630
680-224844-17 MSD	AF47624	Dissolved	Water	6020A	589630
680-224844-24 MS	AF47635	Total/NA	Water	6020B	589628
680-224844-24 MSD	AF47635	Total/NA	Water	6020B	589628
680-224844-37 MS	AF47641	Dissolved	Water	6020A	589631
680-224844-37 MSD	AF47641	Dissolved	Water	6020A	589631

Analysis Batch: 590226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-14	AF47627	Dissolved	Water	6020A	589629
680-224844-15	AF47626	Dissolved	Water	6020A	589629
680-224844-34	AF47658	Dissolved	Water	6020A	589630

Prep Batch: 749406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Total Recoverable	Water	3005A	· · · · · · · · · · · · · · · · · · ·
680-224844-2	AF47632	Total Recoverable	Water	3005A	
80-224844-3	AF47651	Total Recoverable	Water	3005A	
80-224844-4	AF47650	Total Recoverable	Water	3005A	
80-224844-5	AF47649	Total Recoverable	Water	3005A	
80-224844-6	AF47647	Total Recoverable	Water	3005A	
80-224844-7	AF47648	Total Recoverable	Water	3005A	
80-224844-8	AF47652	Total Recoverable	Water	3005A	
80-224844-9	AF47646	Total Recoverable	Water	3005A	
80-224844-10	AF47621	Total Recoverable	Water	3005A	
80-224844-11	AF47630	Total Recoverable	Water	3005A	
80-224844-12	AF47628	Total Recoverable	Water	3005A	
80-224844-13	AF47629	Total Recoverable	Water	3005A	
80-224844-14	AF47627	Total Recoverable	Water	3005A	
80-224844-15	AF47626	Total Recoverable	Water	3005A	
80-224844-16	AF47625	Total Recoverable	Water	3005A	
80-224844-17	AF47624	Total Recoverable	Water	3005A	
80-224844-18	AF47623	Total Recoverable	Water	3005A	
80-224844-19	AF47622	Total Recoverable	Water	3005A	
80-224844-20	AF47659	Total Recoverable	Water	3005A	
/IB 680-749406/1-A	Method Blank	Total Recoverable	Water	3005A	

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

Job ID: 680-224844-1

Metals (Continued)

Prep Batch: 749406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-749406/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-1 MS	AF47633	Total Recoverable	Water	3005A	
680-224844-1 MSD	AF47633	Total Recoverable	Water	3005A	

Prep Batch: 749407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
680-224844-1	AF47633	Total Recoverable	Water	3005A	- 15 VI
680-224844-2	AF47632	Total Recoverable	Water	3005A	
680-224844-3	AF47651	Total Recoverable	Water	3005A	
680-224844-4	AF47650	Total Recoverable	Water	3005A	
680-224844-5	AF47649	Total Recoverable	Water	3005A	
680-224844-6	AF47647	Total Recoverable	Water	3005A	
680-224844-7	AF47648	Total Recoverable	Water	3005A	
680-224844-8	AF47652	Total Recoverable	Water	3005A	
680-224844-9	AF47646	Total Recoverable	Water	3005A	
680-224844-10	AF47621	Total Recoverable	Water	3005A	
680-224844-11	AF47630	Total Recoverable	Water	3005A	
680-224844-12	AF47628	Total Recoverable	Water	3005A	
680-224844-13	AF47629	Total Recoverable	Water	3005A	
680-224844-14	AF47627	Total Recoverable	Water	3005A	
680-224844-15	AF47626	Total Recoverable	Water	3005A	
680-224844-16	AF47625	Total Recoverable	Water	3005A	
680-224844-17	AF47624	Total Recoverable	Water	3005A	
680-224844-18	AF47623	Total Recoverable	Water	3005A	
680-224844-19	AF47622	Total Recoverable	Water	3005A	
680-224844-20	AF47659	Total Recoverable	Water	3005A	
MB 680-749407/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749407/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-1 MS	AF47633	Total Recoverable	Water	3005A	
680-224844-1 MSD	AF47633	Total Recoverable	Water	3005A	

Prep Batch: 749408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
680-224844-21	AF47660	Total Recoverable	Water	3005A	
680-224844-22	AF47661	Total Recoverable	Water	3005A	
680-224844-23	AF47634	Total Recoverable	Water	3005A	
80-224844-24	AF47635	Total Recoverable	Water	3005A	
680-224844-25	AF47636	Total Recoverable	Water	3005A	
80-224844-26	AF47637	Total Recoverable	Water	3005A	
80-224844-27	AF47638	Total Recoverable	Water	3005A	
80-224844-28	AF47643	Total Recoverable	Water	3005A	
80-224844-29	AF47644	Total Recoverable	Water	3005A	
80-224844-30	AF47631	Total Recoverable	Water	3005A	
80-224844-31	AF47655	Total Recoverable	Water	3005A	
80-224844-32	AF47662	Total Recoverable	Water	3005A	
80-224844-33	AF47663	Total Recoverable	Water	3005A	
80-224844-34	AF47658	Total Recoverable	Water	3005A	
80-224844-35	AF47639	Total Recoverable	Water	3005A	
80-224844-36	AF47645	Total Recoverable	Water	3005A	
80-224844-37	AF47641	Total Recoverable	Water	3005A	
80-224844-38	AF47642	Total Recoverable	Water	3005A	

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

Job ID: 680-224844-1

Metals (Continued)

Prep Batch: 749408 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-39	AF47640	Total Recoverable	Water	3005A	
680-224844-40	AF47653	Total Recoverable	Water	3005A	
MB 680-749408/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749408/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-21 MS	AF47660	Total Recoverable	Water	3005A	
680-224844-21 MSD	AF47660	Total Recoverable	Water	3005A	

Prep Batch: 749409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
680-224844-21	AF47660	Total Recoverable	Water	3005A	* 1.
680-224844-22	AF47661	Total Recoverable	Water	3005A	
680-224844-23	AF47634	Total Recoverable	Water	3005A	
680-224844-24	AF47635	Total Recoverable	Water	3005A	
680-224844-25	AF47636	Total Recoverable	Water	3005A	
680-224844-26	AF47637	Total Recoverable	Water	3005A	
680-224844-27	AF47638	Total Recoverable	Water	3005A	
680-224844-28	AF47643	Total Recoverable	Water	3005A	
680-224844-29	AF47644	Total Recoverable	Water	3005A	
680-224844-30	AF47631	Total Recoverable	Water	3005A	
680-224844-31	AF47655	Total Recoverable	Water	3005A	
680-224844-32	AF47662	Total Recoverable	Water	3005A	
680-224844-33	AF47663	Total Recoverable	Water	3005A	
680-224844-34	AF47658	Total Recoverable	Water	3005A	
680-224844-35	AF47639	Total Recoverable	Water	3005A	
680-224844-36	AF47645	Total Recoverable	Water	3005A	
680-224844-37	AF47641	Total Recoverable	Water	3005A	
680-224844-38	AF47642	Total Recoverable	Water	3005A	
680-224844-39	AF47640	Total Recoverable	Water	3005A	
680-224844-40	AF47653	Total Recoverable	Water	3005A	
MB 680-749409/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749409/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-21 MS	AF47660	Total Recoverable	Water	3005A	
680-224844-21 MSD	AF47660	Total Recoverable	Water	3005A	

Prep Batch: 749410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-41	AF47654	Total Recoverable	Water	3005A	
680-224844-42	AF47657	Total Recoverable	Water	3005A	
680-224844-43	AF47664	Total Recoverable	Water	3005A	
680-224844-44	AF47656	Total Recoverable	Water	3005A	
MB 680-749410/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749410/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-41 MS	AF47654	Total Recoverable	Water	3005A	
680-224844-41 MSD	AF47654	Total Recoverable	Water	3005A	

Prep Batch: 749411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-41	AF47654	Total Recoverable	Water	3005A	
680-224844-42	AF47657	Total Recoverable	Water	3005A	
680-224844-43	AF47664	Total Recoverable	Water	3005A	
680-224844-44	AF47656	Total Recoverable	Water	3005A	

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

Job ID: 680-224844-1

Metals (Continued)

Prep Batch: 749411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-749411/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-749411/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-224844-41 MS	AF47654	Total Recoverable	Water	3005A	
680-224844-41 MSD	AF47654	Total Recoverable	Water	3005A	

Analysis Batch: 749688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-41	AF47654	Total Recoverable	Water	6020B	749411
680-224844-42	AF47657	Total Recoverable	Water	6020B	749411
680-224844-43	AF47664	Total Recoverable	Water	6020B	749411
680-224844-44	AF47656	Total Recoverable	Water	6020B	749411
MB 680-749411/1-A	Method Blank	Total Recoverable	Water	6020B	749411
LCS 680-749411/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749411
680-224844-41 MS	AF47654	Total Recoverable	Water	6020B	749411
680-224844-41 MSD	AF47654	Total Recoverable	Water	6020B	749411

Analysis Batch: 749694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Total Recoverable	Water	6010D	749406
680-224844-2	AF47632	Total Recoverable	Water	6010D	749406
680-224844-3	AF47651	Total Recoverable	Water	6010D	749406
680-224844-4	AF47650	Total Recoverable	Water	6010D	749406
680-224844-5	AF47649	Total Recoverable	Water	6010D	749406
680-224844-6	AF47647	Total Recoverable	Water	6010D	749406
680-224844-7	AF47648	Total Recoverable	Water	6010D	749406
680-224844-8	AF47652	Total Recoverable	Water	6010D	749406
680-224844-9	AF47646	Total Recoverable	Water	6010D	749406
680-224844-10	AF47621	Total Recoverable	Water	6010D	749406
680-224844-11	AF47630	Total Recoverable	Water	6010D	749406
680-224844-12	AF47628	Total Recoverable	Water	6010D	749406
680-224844-13	AF47629	Total Recoverable	Water	6010D	749406
680-224844-14	AF47627	Total Recoverable	Water	6010D	749406
680-224844-15	AF47626	Total Recoverable	Water	6010D	749406
680-224844-16	AF47625	Total Recoverable	Water	6010D	749406
680-224844-17	AF47624	Total Recoverable	Water	6010D	749406
680-224844-18	AF47623	Total Recoverable	Water	6010D	749406
680-224844-19	AF47622	Total Recoverable	Water	6010D	749406
680-224844-20	AF47659	Total Recoverable	Water	6010D	749406
680-224844-21	AF47660	Total Recoverable	Water	6010D	749408
680-224844-22	AF47661	Total Recoverable	Water	6010D	749408
680-224844-23	AF47634	Total Recoverable	Water	6010D	749408
680-224844-24	AF47635	Total Recoverable	Water	6010D	749408
680-224844-25	AF47636	Total Recoverable	Water	6010D	749408
680-224844-26	AF47637	Total Recoverable	Water	6010D	749408
680-224844-27	AF47638	Total Recoverable	Water	6010D	749408
680-224844-28	AF47643	Total Recoverable	Water	6010D	749408
680-224844-29	AF47644	Total Recoverable	Water	6010D	749408
680-224844-30	AF47631	Total Recoverable	Water	6010D	749408
680-224844-31	AF47655	Total Recoverable	Water	6010D	749408
680-224844-32	AF47662	Total Recoverable	Water	6010D	749408
680-224844-33	AF47663	Total Recoverable	Water	6010D	749408

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

Job ID: 680-224844-1

Metals (Continued)

Analysis Batch: 749694 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-34	AF47658	Total Recoverable	Water	6010D	749408
680-224844-35	AF47639	Total Recoverable	Water	6010D	749408
680-224844-36	AF47645	Total Recoverable	Water	6010D	749408
680-224844-37	AF47641	Total Recoverable	Water	6010D	749408
680-224844-38	AF47642	Total Recoverable	Water	6010D	749408
680-224844-39	AF47640	Total Recoverable	Water	6010D	749408
680-224844-40	AF47653	Total Recoverable	Water	6010D	749408
680-224844-41	AF47654	Total Recoverable	Water	6010D	749410
680-224844-42	AF47657	Total Recoverable	Water	6010D	749410
680-224844-43	AF47664	Total Recoverable	Water	6010D	749410
680-224844-44	AF47656	Total Recoverable	Water	6010D	749410
MB 680-749406/1-A	Method Blank	Total Recoverable	Water	6010D	749406
MB 680-749408/1-A	Method Blank	Total Recoverable	Water	6010D	749408
MB 680-749410/1-A	Method Blank	Total Recoverable	Water	6010D	749410
LCS 680-749406/2-A	Lab Control Sample	Total Recoverable	Water	6010D	749406
LCS 680-749408/2-A	Lab Control Sample	Total Recoverable	Water	6010D	749408
LCS 680-749410/2-A	Lab Control Sample	Total Recoverable	Water	6010D	749410
680-224844-1 MS	AF47633	Total Recoverable	Water	6010D	749406
680-224844-1 MSD	AF47633	Total Recoverable	Water	6010D	749406
680-224844-21 MS	AF47660	Total Recoverable	Water	6010D	749408
680-224844-21 MSD	AF47660	Total Recoverable	Water	6010D	749408
680-224844-41 MS	AF47654	Total Recoverable	Water	6010D	749410
680-224844-41 MSD	AF47654	Total Recoverable	Water	6010D	749410

Analysis Batch: 749946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-8	AF47652	Total Recoverable	Water	6010D	749406
680-224844-14	AF47627	Total Recoverable	Water	6010D	749406
680-224844-15	AF47626	Total Recoverable	Water	6010D	749406
680-224844-34	AF47658	Total Recoverable	Water	6010D	749408

Analysis Batch: 749990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-1	AF47633	Total Recoverable	Water	6020B	749407
680-224844-2	AF47632	Total Recoverable	Water	6020B	749407
680-224844-3	AF47651	Total Recoverable	Water	6020B	749407
680-224844-4	AF47650	Total Recoverable	Water	6020B	749407
680-224844-5	AF47649	Total Recoverable	Water	6020B	749407
680-224844-6	AF47647	Total Recoverable	Water	6020B	749407
680-224844-7	AF47648	Total Recoverable	Water	6020B	749407
680-224844-8	AF47652	Total Recoverable	Water	6020B	749407
680-224844-9	AF47646	Total Recoverable	Water	6020B	749407
680-224844-10	AF47621	Total Recoverable	Water	6020B	749407
680-224844-11	AF47630	Total Recoverable	Water	6020B	749407
680-224844-12	AF47628	Total Recoverable	Water	6020B	749407
680-224844-13	AF47629	Total Recoverable	Water	6020B	749407
680-224844-14	AF47627	Total Recoverable	Water	6020B	749407
680-224844-15	AF47626	Total Recoverable	Water	6020B	749407
680-224844-16	AF47625	Total Recoverable	Water	6020B	749407
680-224844-17	AF47624	Total Recoverable	Water	6020B	749407
680-224844-18	AF47623	Total Recoverable	Water	6020B	749407

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

Job ID: 680-224844-1

Metals (Continued)

Analysis Batch: 749990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-224844-19	AF47622	Total Recoverable	Water	6020B	749407
680-224844-20	AF47659	Total Recoverable	Water	6020B	749407
680-224844-21	AF47660	Total Recoverable	Water	6020B	749409
680-224844-22	AF47661	Total Recoverable	Water	6020B	749409
680-224844-23	AF47634	Total Recoverable	Water	6020B	749409
680-224844-24	AF47635	Total Recoverable	Water	6020B	749409
680-224844-25	AF47636	Total Recoverable	Water	6020B	749409
680-224844-26	AF47637	Total Recoverable	Water	6020B	749409
680-224844-27	AF47638	Total Recoverable	Water	6020B	749409
680-224844-28	AF47643	Total Recoverable	Water	6020B	749409
680-224844-29	AF47644	Total Recoverable	Water	6020B	749409
680-224844-30	AF47631	Total Recoverable	Water	6020B	749409
680-224844-31	AF47655	Total Recoverable	Water	6020B	749409
680-224844-32	AF47662	Total Recoverable	Water	6020B	749409
680-224844-33	AF47663	Total Recoverable	Water	6020B	749409
680-224844-34	AF47658	Total Recoverable	Water	6020B	749409
680-224844-35	AF47639	Total Recoverable	Water	6020B	749409
680-224844-36	AF47645	Total Recoverable	Water	6020B	749409
680-224844-37	AF47641	Total Recoverable	Water	6020B	749409
680-224844-38	AF47642	Total Recoverable	Water	6020B	749409
680-224844-39	AF47640	Total Recoverable	Water	6020B	749409
680-224844-40	AF47653	Total Recoverable	Water	6020B	749409
MB 680-749407/1-A	Method Blank	Total Recoverable	Water	6020B	749407
MB 680-749409/1-A	Method Blank	Total Recoverable	Water	6020B	749409
LCS 680-749407/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749407
LCS 680-749409/2-A	Lab Control Sample	Total Recoverable	Water	6020B	749409
680-224844-1 MS	AF47633	Total Recoverable	Water	6020B	749407
680-224844-1 MSD	AF47633	Total Recoverable	Water	6020B	749407
680-224844-21 MS	AF47660	Total Recoverable	Water	6020B	749409
680-224844-21 MSD	AF47660	Total Recoverable	Water	6020B	749409

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

Client Sample ID: AF47633

Date Collected: 10/25/22 09:27 Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:10
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 15:45
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:00
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 20:20

Client Sample ID: AF47632

Date Collected: 10/25/22 10:34

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-2

Matrix: Water

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number Analyst Lab or Analyzed 3005A EET SAV 11/08/22 04:59 Total Recoverable Prep 749406 RR Total Recoverable 6010D 11/08/22 23:19 Analysis 1 749694 BJB **EET SAV** Dissolved 3005A 11/10/22 14:09 Prep 589629 LKP EET SL Dissolved Analysis 6020A 2 590073 CGB EET SL 11/14/22 15:59 3005A Total Recoverable Prep 749407 RR EET SAV 11/08/22 04:59 Total Recoverable Analysis 6020B 1 749990 BWR **EET SAV** 11/09/22 17:08 Total/NA 3010A EET SL 11/10/22 14:04 Prep 589627 LKP Total/NA Analysis 6020B 2 590073 CGB EET SL 11/14/22 20:23

Client Sample ID: AF47651

Date Collected: 10/25/22 11:10

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-3

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		=	749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:22
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:13
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:11
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		1	590073	CGB	EET SL	11/14/22 20:50

Client Sample ID: AF47650

Date Collected: 10/25/22 12:46

Date Received: 11/05/22 11:38

	Lab Sam	ple ID:	680-22	24844-4
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Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:25

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

Client Sample ID: AF47650

Date Collected: 10/25/22 12:46 Date Received: 11/05/22 11:38 Lab Sample ID: 680-224844-4

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:16
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:14
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 20:54

Client Sample ID: AF47649

Date Collected: 10/25/22 14:11

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-5

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:34
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:20
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:16
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 20:57

Client Sample ID: AF47647

Date Collected: 10/25/22 15:16

Date Received: 11/05/22 11:38

Lab	Samp	ole ID	680-224844-6

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	# H	- 18 M	749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:37
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:23
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:25
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:01

Client Sample ID: AF47648

Date Collected: 10/25/22 15:21

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-7	Lab S	Sample	ID:	680-224844-7
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Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:40
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:26

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

Client Sample ID: AF47648

Date Received: 11/05/22 11:38

Date Collected: 10/25/22 15:21

Lab Sample ID: 680-224844-7

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:27
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:04

Client Sample ID: AF47652

Lab Sample ID: 680-224844-8 Date Collected: 10/26/22 09:24

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:43
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		10	749946	BJB	EET SAV	11/09/22 15:44
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:30
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:30
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:08

Client Sample ID: AF47646

Date Collected: 10/26/22 10:30 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		- 18 M	749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:46
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:33
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:33
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:11

Client Sample ID: AF47621

Lab Sample ID: 680-224844-10

Date Collected: 10/26/22 11:47 Matrix: Water Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:49
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:37

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Lab Sample ID: 680-224844-9

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

Client Sample ID: AF47621

Lab Sample ID: 680-224844-10 Date Collected: 10/26/22 11:47

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:35
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:25

Client Sample ID: AF47630

Lab Sample ID: 680-224844-11

Matrix: Water

Date Collected: 10/26/22 12:58 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:52
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:40
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:38
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:28

Client Sample ID: AF47628

Lab Sample ID: 680-224844-12

Matrix: Water

Date Collected: 10/26/22 14:05 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:55
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:44
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:41
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:32

Client Sample ID: AF47629

Lab Sample ID: 680-224844-13 Date Collected: 10/26/22 14:10 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		- 3 8 8-	749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 23:58
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 16:57
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:44

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Lab Chronicle

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-13

Matrix: Water

Client Sample ID: AF47629

Date Collected: 10/26/22 14:10 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:35

Client Sample ID: AF47627

Date Collected: 10/26/22 15:32 Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-14

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:01
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		10	749946	BJB	EET SAV	11/09/22 15:47
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:01
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		5	590226	CGB	EET SL	11/15/22 15:58
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:52
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:38

Client Sample ID: AF47626

Date Collected: 10/27/22 09:41

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		- 13 Fe	749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:10
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		10	749946	BJB	EET SAV	11/09/22 15:50
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:04
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		10	590226	CGB	EET SL	11/15/22 16:02
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:54
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:42

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Lab Sample ID: 680-224844-15

Matrix: Water

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

Client Sample ID: AF47625

Lab Sample ID: 680-224844-16

Matrix: Water

Date Collected: 10/27/22 11:01 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:13
Dissolved	Prep	3005A			589629	LKP	EET SL	11/10/22 14:09
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:08
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 17:57
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:45

Client Sample ID: AF47624 Lab Sample ID: 680-224844-17

Date Collected: 10/27/22 12:15 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	75 KI		749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:16
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:18
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:00
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:49

Client Sample ID: AF47623 Lab Sample ID: 680-224844-18 Date Collected: 10/27/22 13:24

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	<u>iš</u> i St	=	749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:19
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:42
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:03
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:52

Client Sample ID: AF47622 Lab Sample ID: 680-224844-19

Date Collected: 10/27/22 14:46 Matrix: Water Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:22

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Matrix: Water

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

Client Sample ID: AF47622

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-19 Date Collected: 10/27/22 14:46

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:45
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:05
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 21:56

Client Sample ID: AF47659

Lab Sample ID: 680-224844-20

Date Collected: 10/27/22 15:56

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749406	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:25
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:49
Total Recoverable	Prep	3005A			749407	RR	EET SAV	11/08/22 04:59
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:08
Total/NA	Prep	3010A			589627	LKP	EET SL	11/10/22 14:04
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:09

Client Sample ID: AF47660

Lab Sample ID: 680-224844-21

Matrix: Water

Date Collected: 10/27/22 16:01 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		- B 80	749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:34
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:52
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:27
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:20

Client Sample ID: AF47661

Lab Sample ID: 680-224844-22

Matrix: Water

Date Collected: 10/31/22 10:13 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:49
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:56

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

Client Sample ID: AF47661

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-22 Date Collected: 10/31/22 10:13

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:35
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:23

Client Sample ID: AF47634

Lab Sample ID: 680-224844-23 Date Collected: 10/31/22 11:27

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	S		749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:52
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 17:59
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:38
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:27

Client Sample ID: AF47635

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-24 Date Collected: 10/31/22 11:32 Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:55
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:02
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:41
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:30

Client Sample ID: AF47636

Lab Sample ID: 680-224844-25 Date Collected: 10/31/22 12:40 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		- 38 a-	749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 00:58
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:06
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:43

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

Client Sample ID: AF47636

Date Collected: 10/31/22 12:40 Date Received: 11/05/22 11:38

Date Collected: 10/31/22 13:42

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-25

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 22:57

Client Sample ID: AF47637

Lab Sample ID: 680-224844-26

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:01
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:09
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:52
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:01

Client Sample ID: AF47638

Lab Sample ID: 680-224844-27 Date Collected: 10/31/22 14:32 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		: =	749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:04
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:13
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:54
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:04

Client Sample ID: AF47643

Date Collected: 11/02/22 09:42 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	<u> </u>	: : : : : : : : : : : : : : : : : : :	749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:07
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:26
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 18:57
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:08

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Lab Sample ID: 680-224844-28

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

Client Sample ID: AF47644

Lab Sample ID: 680-224844-29 Date Collected: 11/02/22 09:47

Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:10
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:30
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:00
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:11

Client Sample ID: AF47631

Lab Sample ID: 680-224844-30

Matrix: Water

Date Collected: 11/02/22 11:02 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	20 62	37 27	749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:13
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:33
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:02
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07

2

590073 CGB

Client Sample ID: AF47655

Analysis

6020B

Total/NA

Lab Sample ID: 680-224844-31

11/14/22 23:15

EET SL

Matrix: Water

Date Collected: 11/02/22 12:32 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	<u>15</u> / St	= 12 3.	749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	ВЈВ	EET SAV	11/09/22 01:23
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:37
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:05
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:18

Client Sample ID: AF47662

Lab Sample ID: 680-224844-32

Date Collected: 11/02/22 13:51 Date Received: 11/05/22 11:38 Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:26

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

Client Sample ID: AF47662

Date Collected: 11/02/22 13:51 Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-32

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:40
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:08
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:22

Client Sample ID: AF47663

Date Collected: 11/02/22 14:52 Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-33

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:29
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:43
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:16
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:25

Client Sample ID: AF47658

Date Collected: 11/02/22 16:00

Date Received: 11/05/22 11:38

_ab	Sa	mp	le l	D:	680)-22	484	14-34	4

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	# 8		749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:32
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		10	749946	BJB	EET SAV	11/09/22 15:41
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:47
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		5	590226	CGB	EET SL	11/15/22 16:05
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:19
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:39

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

Client Sample ID: AF47639

Date Collected: 11/01/22 10:13

Lab Sample ID: 680-224844-35 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:35
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:50
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:21
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:42

Client Sample ID: AF47645 Lab Sample ID: 680-224844-36

Date Collected: 11/01/22 11:29 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	75 KE		749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:38
Dissolved	Prep	3005A			589630	LKP	EET SL	11/10/22 14:12
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 18:54
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:24
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:46

Client Sample ID: AF47641 Lab Sample ID: 680-224844-37

Date Collected: 11/01/22 12:28 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		= 12 3.	749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:41
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:14
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:27
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:49

Client Sample ID: AF47642 Lab Sample ID: 680-224844-38

Date Collected: 11/01/22 14:06 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	14 5		749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:44

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

Client Sample ID: AF47642

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-38 Date Collected: 11/01/22 14:06

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Dissolved	Prep	3005A		*-	589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:28
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:30
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:52

Client Sample ID: AF47640

Lab Sample ID: 680-224844-39 Date Collected: 11/01/22 15:15 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:47
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:31
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:32
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:56

Client Sample ID: AF47653

Lab Sample ID: 680-224844-40 Date Collected: 11/03/22 10:03 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		- 18 R	749408	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/09/22 01:50
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:35
Total Recoverable	Prep	3005A			749409	RR	EET SAV	11/08/22 05:33
Total Recoverable	Analysis	6020B		1	749990	BWR	EET SAV	11/09/22 19:35
Total/NA	Prep	3010A			589628	LKP	EET SL	11/10/22 14:07
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 23:59

Client Sample ID: AF47654

Lab Sample ID: 680-224844-41 Date Collected: 11/03/22 11:04 Matrix: Water

Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 18:06
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:38

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

Client Sample ID: AF47654

Date Collected: 11/03/22 11:04 Date Received: 11/05/22 11:38 Lab Sample ID: 680-224844-41

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		*-	749411	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EET SAV	11/08/22 21:12
Total/NA	Prep	3010A			589629	LKP	EET SL	11/10/22 14:09
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 15:28

Client Sample ID: AF47657

Date Collected: 11/03/22 12:20 Date Received: 11/05/22 11:38 Lab Sample ID: 680-224844-42

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 18:21
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:42
Total Recoverable	Prep	3005A			749411	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EET SAV	11/08/22 21:20
Total/NA	Prep	3010A			589629	LKP	EET SL	11/10/22 14:09
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 15:35

Client Sample ID: AF47664

Date Collected: 11/03/22 13:44

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-43

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			749410	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6010D		1	749694	BJB	EET SAV	11/08/22 18:24
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:55
Total Recoverable	Prep	3005A			749411	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EET SAV	11/08/22 21:23
Total/NA	Prep	3010A			589629	LKP	EET SL	11/10/22 14:09
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 15:39

Client Sample ID: AF47656

Date Collected: 11/03/22 14:49

Date Received: 11/05/22 11:38

Lab Sample ID: 680-224844-44

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		= ====================================	749410	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6010D		1	749694	ВЈВ	EET SAV	11/08/22 18:27
Dissolved	Prep	3005A			589631	LKP	EET SL	11/10/22 14:16
Dissolved	Analysis	6020A		2	590073	CGB	EET SL	11/14/22 19:59
Total Recoverable	Prep	3005A			749411	RR	EET SAV	11/08/22 05:57
Total Recoverable	Analysis	6020B		1	749688	BWR	EET SAV	11/08/22 21:25

Eurofins Savannah

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Lab Chronicle

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

Job ID: 680-224844-1

Lab Sample ID: 680-224844-44

pic ibi coc zaioii ii

Matrix: Water

Client Sample ID: AF47656

Date Collected: 11/03/22 14:49 Date Received: 11/05/22 11:38

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Prep	3010A			589629	LKP	EET SL	11/10/22 14:09
Total/NA	Analysis	6020B		2	590073	CGB	EET SL	11/14/22 15:42

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858 EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

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Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA @santeecooper.com 125915 / JM02.09 GOI.1 / 36500 Yes (No) Analysis Group Labworks ID # Sample Location/ Comments METALS (Internal use Description Method# ection Da SSOLVED S, Co, Li, Fe only) 9 Grab (G) or Composite (C) Reporting limit Bottle type: ((G/Plastic-P) Matrix(see Misc. sample info jo# TOTAL SEE Any other notes 3 9 AN WIK P PM-1 10/25/22 G 2 AF47633 2 GW X X 0927 ML PLEASE SEE SHEET FOR RLS. CBW-32 1034 6010 6020 51 1110 CGYP-6 Ca AS Cr TI Ba Mn Fe 50 CGYP- 4 1246 Plo K Be cd Sb Mg 49 CGYP-3 1411 Co Se Na CGYP-2 47 1516 48 CGYP-2 DUP 1521 DISSOLVED: Be 1 Fe Mn 680-224844 Chain of Custody Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Employee# Date Time TEMP (°C): Initial: Sproun 35594 11/5/22 1138 11/4/22 1500 Relinquished by: Employee# Date Correct pH: Yes Time Received by: Employee # Preservative Lot#: Relinquished by: Employee# Date Time 20-6 Received by: Employee# Date Time Date/Time/Init for pleservative: ☐ METALS (all) **Nutrients** MISC. <u>Gypsum</u> Coal Flyash □ Cu □ Ag Ø Sb □ TOC BTEX □ Wallboard □ Ultimate Trans. Oil Qual. O AI ₽/Fe ☑ Se □ Ammonia \square DOC □ Napthalene Gypsum(all %Moisture ☐ % Moisture nioi [2 As D/K □ Sn ☐ THM/HAA □ TP/TPO4 below) Color □ Ash □ % Carbon DVOC ΠВ □ NH3-N D AIM O Li ☐ Sulfur ☐ Mineral □ Oil & Grease O TOC Dielectric Strength $\cap F$ □ BTUs D/Ba ØMg □ E. Coli Analysis O Ti ☐ Total metals HT. \square CI ☐ Total Coliform ☐ Volatile Matter ☐ Sieve ☐ Soluble Metals Dissolved Gases Д′Ве ☑ Mn Ø TI FI NO2 □pH D CHN □ Purity (CaSO4) □ % Moisture Used Oil □ Br ☐ Dissolved As Other Tests: Ø′Ca □Мо υV ☐ % Moisture Flashpoint □ NO3 Dissolved Fe ☐ XRF Scan □ Sulfites Metals in oil **NPDES** ⊠ Na ZI Cd O Zn ☐ Rad 226 □ SO4 D HG1 (As.Cd,Cr,Ni,Pb OpH ☐ Rad 228 □ Oil & Grease □ Chlorides Hg) ☐ Fineness Z Co ☑ Hg □ Ni □ PCB ☐ Particulate Matter ☐ Particle Size □ As Ø′Cr Z Pb □ CrVI DIES □ Sulfur GOFER

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



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

Customer Email/Report Recipient: Project/Task/Unit #: Date Results Needed by: Rerun request for any flagged QC 125915 / TMO2.09.GOI.1 / 36500 @santeecooper.com Yes (No) **Analysis Group** Labworks ID # Sample Location/ Comments TOTAL METALS
-SEE BELOW
DISSOLVED
BE, CO, FE, LI, MA (Internal use Description Method# only) Grab (G) or Composite (C) Colle Reporting limit Bottle type: (G/Plastic-P) Collection Matrix(see Misc, sample info Total # of Any other notes 8 WJK AF47652 10/26/22 2 CGYP-7 0924 P G SEE SHEET FOR RUS X X WHERE APPLICABLE. 46 CGYP- 1 6010 6020 21 CAP-1 1147 AS OF TI Ca Fe Bar Mn 30 CAP-10 1258 K Be Pb Mg d Sb 28 CAP-9 1405 Co Se Na 29 CAP-9 DUP 1410 27 1532 CAP-8 DISSOLVED: Li FP Mn Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee # Date Time TEMP (°C): Initial: 89moun 35594 11/4/22 1500 Relinquished by: Employee# Correct pH: Yes Date Time Received by: Employee # Date Time Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee# Date Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. Gypsum □ Ag Coal □ Cu Flyash Oil Ø Sb □ TOC BTEX ☐ Wallboard □ Ultimate □ A1 ☑ Fe ☑ Se Trans. Oil Qual. □ Ammonia O DOC □ Napthalene Gypsum(all ☐ % Moisture . %Maisture ☑ As ₽⁄K □ Sn □ THM/HAA □ TP/TPO4 below) □ Ash Color ☐ % Carbon □ VOC □ NH3-N O AIM DB□ Li □ Sr Acidity □ Oil & Grease ☐ Sulfur ☐ Mineral □ тос Dielectric Strength $\Box F$ Ø Ba Ø Mg □ BTUs □ E. Coli □ Ti Analysis □ Total metals IFT O CL ☐ Total Coliform ☐ Volatile Matter ☐ Sieve Dissolved Gases □ Soluble Metals Ø Be Mn Ø TI □ NO2 \Box pH □ CHN □ % Moisture □ Purity (CaSO4) Used Oil □ Br ☐ Dissolved As Ø′Ca □Мо ΠV Other Tests: □ % Moisture Flashpoint D NO3 ☐ Dissolved Fe □ Sulfites □ XRF Scan Metals in oil Z Cd Ø Na **NPDES** (As,Cd,Cr,Ni,Pb,Hg) ☐ Rad 226 □ SO4 DHGI □pH ☐ Rad 228 □ Oil & Grease D Hg ☐ Chlorides Z Co ☐ Fineness □ Ni □ PCB O As ☐ Particle Size ☐ Particulate Matter Ø Cr Ø Pb □ CrVI O TSS ☐ Sulfur GOFER

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

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

Custom	er Emai	I/Report Recip	ient:	Date	Results N	eeded b	y:		P	roject/	Task/	Unit #:	Rerun re	quest	for a	ny fla	agged QC
LCWI	LLIA	@santee	cooper.com					125	5915	JJM	02.0	9.6Ø1.1	<u> 36500</u>	Yes	No		
															£	Analys	is Group
Labworl (International)		Sample Locati Description	ion/	Collection Date	lion Time	Sample Collector	Total # of containers	Bottle type: (Glass- G/Plastic-P)	0	Matrix(see below)	Preservative (see	Me Re Mi	Comments thod # porting limit sc, sample info		TOTAL METALS	DISSOLVED Be re to li Ma	
					Collection	Sample	Total # c	Bortle t G/Plast	Grab (G) or Composite (C)	Matrix	Presen	• An	y other notes		TOTAL	PISSO	
AF47	626	CAP-7		10/27/-	22 0941	WK	2	þ	G	GW	2	SEE	SHEET FOR RLS		*	×	
	25	CAP-6			llol		1	1				WHER	E APPLICABLE.	,			
	24	CAP-5			1215												
	23	CAP-4	***************************************		1324								ma k		1		
	22.	CAP-3			1446												
	59	CCMAP-1	4		1556										+		
	60	CCMAP-4	DUP	1 -	1601	-	<u> </u>	-	1		上	Disec	Co		-		
				1									Li Fe				
													Mn				
Relingu	ished by:	Employee#	Date	Time	Receiv	ed by:	1 6	mployee	# 1	Date		Time	Sample Receiving (Int	ernal U			
Amo		35594	11/4/22	1500									TEMP (°C):Correct pH: Yes	1 No	nitial	:	
Kelingu	ished by:	Employee#	Date	Time	Receiv	ed by:	Ei	mployee	*	Date	1	Time	Preservative Lot#:	110			
Relinqu	ished by:	Employee#	Date	Time	Receiv	ed by:	E	mployee	#	Date		Time					9-
	□МЕ	ETALS (all)											Date/Time/Init for pr	eservat	ilve:		
□Ag	□ Cı	ı ØSb	Nut	rients	MIS D BTEX	SC.	n	Gy Wallbo	psun	<u>n</u>	1	<u>Coal</u> Ultimate	Flyash		T	<u>Oi</u>	Qual.
□ Al	□/fe □/k		ODO	c	☐ Napthale ☐ THM/H/			Gyp	sum(a	11		☐ % Mois			1 %	Mois	
	□ Li	and the second s	U IP/	TPO4 3-N	□ VOC			belon	M			□ Ash □ Sulfur	□ % Carbon □ Mineral		I A	olor cidity	
□ Ba	ZM	Contract of the Contract of th	ΘF		□ Oil & Gr □ E. Coli	casc		□ TO	C al meta	ls		□ BTUs	Analysi	s	Di UF		Strength
Ø Be	D'Mi		□ CI □ NO	2	☐ Total Co ☐ pH	liform		□ Sol	uble Mo	tals		☐ Volatile ☐ CHN	Matter ☐ Sieve ☐ % Moisture		i Di		d Gases
⊅Ca	ОМ		□Br		☐ Dissolve				ity (Cas Moistur			her Tests:			(F)	ashpo	nt
Ø Cd	ØNa		□ NO		☐ Dissolved ☐ Rad 226			□ Sul				XRF Scan HGI	NPDES			etals i s Cd.	n oil Cr,Ni,Pb
Ø Co	□ Ni		50		□ Rad 228 □ PCB			□€ы	orides		I or	ineness Particulate Mi	□ Oil & Grease □ As			g)	
D'Cr	Z∕Pb				GIVE		l c	□ Pari Sulfur	ticle Siz	e .		anticulate M	oner □ TSS		GOI		

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

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC 125915 / JM02.09. GØ 1.1 / 36500 LCWILLIA Yes No _@santeecooper.com Analysis Group Labworks ID# Sample Location/ Comments BELOW (Internal use-Description-Method # Dat LVED TELL Preservative (: below) only) Reporting limit Matrix(see Collection Collection Grab (G) or Composite (Misc, sample info DISSOL Be, Ca TOTAL STEE Any other notes TELLY G GW 2 X 2 CCMAP- 5 AF47661 10/31/22 1013 SEE SHEET FOR RLS. 1127 34 CLFIB- 1 35 CLFIB-1 DUP 1132 CLFIB-2 1240 36 37 1342 CLEIB-3 1432 38 CLFIB-4 DISSOLVED : Be Co Li Fe Mn Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee # Date Time TEMP (°C): Initial: Salyrour 11/4/22 35594 1500 Correct pH: Yes No Relinquished by: Employee# Date Time Received by: Date Time Employee # Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee # Date Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. <u>Gypsum</u> Coal Flyash □ Ag □ Cu Ø Sb □ TOC □ BTEX ☐ Wallboard Trans, Oll Qual. □ Ultimate □ Ammonia □/Fe Ø'Se □ DOC ☐ Napthalene Gypsum(all ☐ % Moisture %Moisture O LOI As Ø′K □ Sn ☐ THM/HAA Color □ TP/TPO4 below) ☐ Ash □ % Carbon □ VOC D AIM Acidity □ NH3-N ☐ Sulfur ☐ Mineral OB O Li □ Sr ☐ Oil & Grease Dielectric Strength DTOC DF □ BTUs Analysis □ E. Coli ☐ Total metals HT Ø Ba Ø Mg O Ti D CI □ Volatile Matter ☐ Total Coliform □ Sieve Dissolved Gases □ Soluble Metals PTI Ø Be [≱Mn □ NO2 □рН \Box CHN ☐ % Moisture Used Oil □ Purity (CaSO4) □ Br □ Dissolved As Other Tests: Flashpoint □% Moisture [≱′Ca DV □Мо ☐ Dissolved Fe □ XRF Scan □ NO3 Metals in oil □ Sulfites **NPDES** Z Cd □ Zn (As,Cd,Cr,Ni,Pb **⊉**Na ☐ Rad 226 □ HGI □ SO4 □pH □ Oil & Grease Hg) ☐ Rad 228 □ Chlorides ☐ Fineness D-Co □ Nı **THg** □ PCB ☐ Particulate Matter □ As ☐ Panicle Size □ TSS GOFER Ø Pb □ CrVI □-Cr □ Sulfur

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

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

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA @santeecooper.com 125915 / JM0209. GØ1. 1/ 36500 Yes (No) **Analysis Group** Labworks ID# Sample Location/ Comments (Internal use Description PO Method # BELOW (Gla SSOLVED COLVED only) Total # of contai Reporting limit. o (G) or posite (C) Bottle type (G/Plastic-P) Misc. sample info TOTAL " Any other notes Grab AN WIK FOZ 7 11/2/22 AF47643 0942 2 Þ G GW 2 SEE SHEET FOR RLS. X X 44 POZ-7 DUP 0947 31 CAP-13 1102 55 CCMLF-2 232 62 CCMAP - 6 1351 63 CCMAP-7 1452 58 CCMAP-3 1600 DISSOLVED: Be Co Li Fe Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee# Date Time TEMP (°C): ____Initial:_ 35594 Myroun 4/4/22 1500 Relinquished by: Employee# Correct pH: Yes Date Time Received by: Employee# Date Time Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee # Date Time Date/Time/init for preservative: ☐ METALS (all) **Nutrients** MISC. Gypsum Coal □Ag Flyash [0]□ Cu Ø Sb птос □ BTEX □ Wallboard ☐ Ultimate Ø Fe Ø Se □ Ammonia Trans. Oll Qual. □ DOC □ Napthalene Gypsum(all ⇒ %Moisture ☐ % Moisture ☑ As ØK □ Sn AAH/MHT [] □ TP/TPO4 below) Color ☐ Ash ☐ % Carbon DVOC □ NH3-N □B O Lı □ Sr Acidity ☐ Sulfur □ Oil & Grease DITOC Dielectric Strength n F □ BTUs □ Ba □ E. Coli ØMe □ Ti Analysis ☐ Total metals HT. O CI ☐ Total Coliform ☐ Volatile Matter □ Sieve ☐ Soluble Metals Dissolved Gases Ø Be Ø Mn Ø TI □ NO2 □рН O CHN □ Purity (CaSO4) □ % Moisture Used Oil □ Br ☐ Dissolved As Ø Ca □Мо $\square V$ Other Tests: ☐ % Moisture Flashpoint Metals in oil □ Dissolved Fe □ NO3 □ Sulfites □ XRF Scan ☑ Cd Ø Na NPDES O Zn ☐ Rad 226 □ SO4 □ HGI (As,Cd,Ct,Ni,Pb OpH ☐ Rad 228 □ Oil & Grease □ Chlorides ☐ Fineness Hg) ZÍ Co □Ni □/Hg □ PCB □As ☐ Particle Size ☐ Particulate Matter Ø Cr ₽Pb □ CrVI \square TSS □ Sulfur GOFER

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

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA @santeecooper.com 125915 / JMOZ. 09 GØ1.11 No **Analysis Group** Labworks ID # Sample Location/ Comments SPIRE (Internal use Description Method # L, RED only) Reporting limit Collection Bottle type: G/Plastic-P) Grab (G) or Composite (Matrix(see Misc. sample info 五五 550 2,00,1 Any other notes 28 WKK 2 6 X 11/1/22 GW AF47639 SEE SHEET FOR RIS X CLFIB-5 1013 45 POZ 8 1129 FOZ-4 1228 4 42 POZ-6 1406 40 Poz-3 1515 DISSOLVED: Be Fe Mn Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Received by: Time Employee # Date Time TEMP (°C):_ Initial: Sproun 35594 11/4/22 1500 Correct pH: Yes No Relinguished by: Employee# Date Time Received by: Employee # Date Time Preservative Lot#: Relinquished by: Employee# Date Time Received by: Employee # Date Time Date/Time/Init for preservative: ☐ METALS (all) **Nutrients** MISC. <u>Gypsum</u> Coal Oil Flyash □ Ag □ Cu Ø Sb n TOC O BTEX □ Wallboard Trans. Oil Qual. □ Ultimate □ Ammonia ☑ Fe Ø Se □ DOC □ Napthalene Gypsum(all %Moisture □ % Moisture O LOI Ø As ρK □ Sn D THM/HAA IT TP/TPO4 below) Color □ Ash ☐ % Carbon □ AIM □ TOC DVOC Acidity
Dielectric Strength □ NH3-N ΠВ O Li □ Sr ☐ Sulfur □ Mineral □ Oil & Grease OF □ BTUs Analysis □ Ba □ E. Coli D Mg O Ti ☐ Total metals \Box CI ☐ Total Coliform □ Volatile Matter ☐ Sieve Dissolved Gases (1) Soluble Metals Ø Be ,⊠ Mn ØŤI □ NO2 □рН □ CHN ☐ % Moisture Used Oil ☐ Purity (CaSO4) □ Br ☐ Dissolved As Other Tests: Ø Ca □Мо $\Box V$ ☐ % Moisture Flashpoint ☐ Dissolved Fe □ NO3 ☐ XRF Scan Metals in oil ☐ Sulfites **NPDES** Ø Cd Ø Na O Zn (As.Cd.Cr,Ni,Pb Hg) ☐ Rad 226 O HGI □ SO4 \Box pH ☐ Rad 228 Oil & Grease □ Chlorides ☐ Fineness ☑ Co □Ni Ø Hg □ PCB □ As ☐ Particulate Matter TY ☐ Particle Size Ø′Cr Ø Pb □ CrVI DITSS GOFER □ Sulfur

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Chain of Custody

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

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LCWILLIA 125915 / JM02.09 GØI 1 @santeecooper.com 36500 Yes (No **Analysis Group** Lahworks ID# Sample Location/ Comments TOTAL METALY STEE BELOW DISSOLVED Be, G., L., FO.N. (Internal use Description Method # Pal only) Reporting limit Grab (G) or Composite (C) Bottle type: (G/Plastic-P) Collection Matrix(see Misc. sample info # Of Any other notes 8 WIK X 2 2 11/3/22 1003 SEE SHEET FOR RLS. CCM LF-1 Cis AF47653 554 CCMLF-ID 1104 COMAP 2 1220 57 64 CCMAP-8 1344 56 1447 CCMAP-1 DISSOLVED BE Li Fe Mn Sample Receiving (Internal Use Only) Relinguished by: Employee# Date Time Received by: Employee# Date Time TEMP (°C): Initial: 11/4/22 Sproun 35594 1500 Correct pH: Yes Relinquished by: Employee# Received by: Date Time Employee# Time Preservative Lot#: Relinquished by: Employee# Time Received by: Employee# Date Time Date/Time/init for preservative: ☐ METALS (all) **Nutrients** MISC. Gypsum Coal Oil Flyash □ Cu Ø Sb □ Ag □ TOC □ BTEX □ Wallboard ☐ Ultimate Trans. Oll Qual. □ Ammonia Ø Fe ☑ Se %Moisture Gypsum(all □ Napthalene □ DOC ☐ % Moisture O LOI ☑ As ØΚ □ Sn OTHM/HAA helow) Color ☐ TP/TPO4 □ Ash ☐ % Carbon □ VOC O AIM Acidity □ NH3-N □ Sulfur \Box B □ Li □ Sr ☐ Mineral □ Oil & Grease Dielectric Strength O TOC ΠF □ BTUs Analysis [⊿Ba Ø Mg DE, Coli HT. □ Ti ☐ Total metals □ C1 ☐ Volatile Matter ☐ Sieve ☐ Total Coliform Dissolved Gases ☐ Soluble Metals Ø.Be Ø′Mn Ø'TI □ CHN □ NO2 ☐ Purity (CaSO4) ☐ % Moisture Used Oil \Box pH □ % Moisture ☐ Dissolved As □ Br Other Tests: Flashpoint ☑ Ca □Мо ΠV ☐ Dissolved Fe ☐ XRF Scan Metals in oil □ NO3 ☐ Sulfites **NPDES** Ø Cd Ø Na □ Zn (As,Cd,Cr,Ni,Pb ☐ Rad 226 □ HGI C) pH **□ SO4** ☐ Oil & Grease □ Rad 228 Hg) Chlorides ☐ Fineness Z Co □Ni Ø Hg O As O PCB ☐ Particulate Matter 1 X C) Particle Size O TSS ☑ Cr ∠ Pb □ CrVI GOFER □ Sulfur

Table of Reporting Limits for Groundwater Samples-- Metals Only

Janip	nes meta	is Offig	
Analyte	Unit	GWPS/ MCL/ RSL	Reporting Limits best case
Aluminum	mg/L	0.05 to 0.2	20.00.00
Antimony	ug/L	6	5
Arsenic	ug/L	10	5
Arsenic Dissolved	ug/L		
Barium	ug/L	2000	5
Beryllium	ug/L	4	0.5
Boron	ug/L		10 to 15
Cadmium	ug/L	5	0.5
Calcium	ug/L		0.1
Chromium	ug/L	100	5
Cobalt	ug/L	6	0.5
Copper	mg/L	1	
Iron	ug/L	300	
Lead	ug/L	15	1
Lithium	ug/L	40	5
Magnesium	ug/L		
Mercury	ug/L	2	0.2
Molybdenum	ug/L	100	5
Nickel	ug/L		
Potassium	mg/L		
Selenium	ug/L	50	5
Sodium	mg/L		DEC 200 TO
Thallium	ug/L	2	1
Zinc	ug/L	5000	

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Eurofins Savannah 5102 Latostra Avenue Basannan GA 3.404	O	Chain of Custody Record	Custo	dy Re	corc					🧸 🤆 eurofins	ins
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Conpany TestAmerica I accountiles I no				4.2	condision ELAP	S Fequine Forda, S	(See note: state - South	Accadations Fequined (Secrote: NELAP - Florida, State - South Carolina, State Program	Program	Job # 580-224844-	ļ\$
Address Tool North	Due Date Requested: 11/15/2022	vi					Analys	Analysis Requested	9	Preservation Cudes:	in Codes: M. Hexane
Out Barth Cty	TAT Requested (days):	1187				· 2.				B-NaOH O-Zu Azete	zoa
Sins 20 MO, 63645								-(48		D - March 2014 E - Marc 2014 E - Marc 2014	Dr.
Share ShareseRitch 314 298 8757(Fax)	*:0d	: E			2,335,0					G - America H - 6 hearth Ace	9
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Servings, Day 31404 Phone 912-354-7852 Fax: 912-552-5155													
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Possible Hazard Identification			Sample Disposi	al (A fee may be assessed if s	Sample Disposal (A fee may be assessed if samples are retained louger than 1 month)	f month!
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Eurofins Savannah

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-224844-1

Login Number: 224844 List Source: Eurofins Savannah

List Number: 1

Creator: Johnson, Corey M

Creator. Corningon, Corey III		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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	

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Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-224844-1

List Source: Eurofins St. Louis
List Number: 2
List Creation: 11/09/22 12:27 PM

Creator: Bohlmann, Jessica M

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

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Accreditation/Certification Summary

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

Job ID: 680-224844-1

Laboratory: Eurofins Savannah

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

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

Laboratory: Eurofins St. Louis

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-001	05-06-25
ANAB	Dept. of Defense ELAP	L2305	04-06-25
ANAB	Dept. of Energy	L2305.01	04-06-25
ANAB	ISO/IEC 17025	L2305	04-06-25
Arizona	State	AZ0813	12-08-22
California	Los Angeles County Sanitation Districts	10259	06-30-22 *
California	State	2886	06-30-23
Connecticut	State	PH-0241	03-31-23
Florida	NELAP	E87689	06-30-23
HI - RadChem Recognition	State	n/a	06-30-23
Illinois	NELAP	200023	11-30-23
lowa	State	373	12-01-22
Kansas	NELAP	E-10236	10-31-22 *
Kentucky (DW)	State	KY90125	12-31-22
Kentucky (WW)	State	KY90125 (Permit KY0004049)	12-31-22
Louisiana (All)	NELAP	04080	06-30-23
Louisiana (DW)	State	LA011	12-31-22
Maryland	State	310	09-30-23
MI - RadChem Recognition	State	9005	06-30-23
Missouri	State	780	06-30-25
Nevada	State	MO000542020-1	07-31-23
New Jersey	NELAP	MO002	06-30-23
New York	NELAP	11616	04-01-23
North Dakota	State	R-207	06-30-23
NRC	NRC	24-24817-01	12-31-22
Oklahoma	NELAP	9997	08-31-23
Oregon	NELAP	4157	09-01-23
Pennsylvania	NELAP	68-00540	02-28-23
South Carolina	State	85002001	06-30-23
Texas	NELAP	T104704193	07-31-23
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00028	03-11-23
Utah	NELAP	MO000542021-14	07-31-23
Virginia	NELAP	10310	06-14-24
Washington	State	C592	08-30-23
West Virginia DEP	State	381	12-31-22

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 $^{^*\} Accreditation/Certification\ renewal\ pending\ -\ accreditation/certification\ considered\ valid.$

Eurofins Savannah

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 <u>Jerry.Lanier@et.eurofinsus.com</u> (912)250-0281

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/22/2022 7:23:03 PM

JOB DESCRIPTION

125915/JM02.08.G01.1/36500

JOB NUMBER

680-227330-1

Eurofins Savannah 5102 LaRoche Avenue Savannah GA 31404



Eurofins Savannah

Job Notes

The test results in this report meet NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted. Results pertain only to samples listed in this report. This report may not be reproduced, except in full, without the written approval of the laboratory. Questions should be directed to the person who signed this report.

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

Authorization

Generated 12/22/2022 7:23:03 PM

Authorized for release by Jerry Lanier, Project Manager I <u>Jerry.Lanier@et.eurofinsus.com</u> (912)250-0281

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Case Narrative

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

Job ID: 680-227330-1

Job ID: 680-227330-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-227330-1

Receipt

The samples were received on 12/9/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 15.1°C

Metals

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

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Sample Summary

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

Job ID: 680-227330-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-227330-1	AF50607	Water	12/06/22 10:22	12/09/22 10:00
680-227330-2	AF50606	Water	12/06/22 11:34	12/09/22 10:00
680-227330-3	AF50605	Water	12/06/22 13:25	12/09/22 10:00
680-227330-4	AF50604	Water	12/06/22 14:34	12/09/22 10:00
680-227330-5	AF50602	Water	12/07/22 10:07	12/09/22 10:00
680-227330-6	AF50603	Water	12/07/22 10:12	12/09/22 10:00
680-227330-7	AF50608	Water	12/07/22 13:42	12/09/22 10:00
680-227330-8	AF50609	Water	12/07/22 13:47	12/09/22 10:00
680-227330-9	AF50610	Water	12/07/22 15:03	12/09/22 10:00

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Method Summary

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

Job ID: 680-227330-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury (CVAA)	SW846	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

Protocol References:

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

Laboratory References:

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

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Definitions/Glossary

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

ervice Authority Job ID: 680-227330-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

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

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

Eurofins Savannah

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

Client Sample ID: AF50607

Job ID: 680-227330-1

Lab Sample ID: 680-227330-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	673000	·	500		ug/L	1		6010D	Total
									Recoverable
Iron	40600		100		ug/L	1		6010D	Total
									Recoverable
Barium	45.6		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	7.32		0.500		ug/L	1		6020B	Total
									Recoverable
Selenium	3.58		2.50		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF50606

Lab Sample ID: 680-227330-2

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	81700	500	u = = = = =	ug/L	1	-	6010D	Total
								Recoverable
Iron	88800	100		ug/L	1		6010D	Total
								Recoverable
Barium	273	5.00		ug/L	1		6020B	Total
550620000055002500								Recoverable
Beryllium	1.99	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	21.1	0.500		ug/L	1		6020B	Total
								Recoverable
Lead	3.70	2.50		ug/L	1		6020B	Total
								Recoverable
Nickel	8.37	5.00		ug/L	1		6020B	Total
								Recoverable
Selenium	4.99	2.50		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF50605

Lab Sample ID: 680-227330-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	97300	\$	500	- 3	ug/L	1	31—37	6010D	Total
									Recoverable
Iron	83400		100		ug/L	1		6010D	Total
									Recoverable
Arsenic	96.8		3.00		ug/L	1		6020B	Total
									Recoverable
Barium	122		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	0.820		0.500		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF50604

Lab Sample ID: 680-227330-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	184000		500		ug/L	1	W-5	6010D	Total
									Recoverable
Iron	5760		100		ug/L	1		6010D	Total
									Recoverable
Arsenic	186		3.00		ug/L	1		6020B	Total
									Recoverable
Barium	84.5		5.00		ug/L	1		6020B	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

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

Client Sample ID: AF50602

Job ID: 680-227330-1

Lab Sample ID: 680-227330-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	108000	·	500		ug/L	1		6010D	Total
									Recoverable
Iron	1770		100		ug/L	1		6010D	Total
									Recoverable
Arsenic	62.1		3.00		ug/L	1		6020B	Total
									Recoverable
Barium	62.1		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	2.03		0.500		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF50603 Lab Sample ID: 680-227330-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	106000		500	-	ug/L			6010D	Total
									Recoverable
Iron	1670		100		ug/L	1		6010D	Total
									Recoverable
Arsenic	69.0		3.00		ug/L	1		6020B	Total
									Recoverable
Barium	67.5		5.00		ug/L	1		6020B	Total
									Recoverable
Cobalt	2.17		0.500		ug/L	1		6020B	Total
									Recoverable

Client Sample ID: AF50608 Lab Sample ID: 680-227330-7

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	303000	500	H 3	ug/L	1		6010D	Total
								Recoverable
Iron	112000	100		ug/L	1		6010D	Total
								Recoverable
Arsenic	6.11	3.00		ug/L	1		6020B	Total
				310				Recoverable
Barium	24.8	5.00		ug/L	1		6020B	Total
								Recoverable
Beryllium	11.6	0.500		ug/L	1		6020B	Total
								Recoverable
Cadmium	2.95	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	75.2	0.500		ug/L	1		6020B	Total
								Recoverable
Lead	47.3	2.50		ug/L	1		6020B	Total
								Recoverable
Nickel	36.1	5.00		ug/L	1		6020B	Total
								Recoverable
Selenium	55.8	2.50		ug/L	1		6020B	Total
								Recoverable
Zinc	55.0	20.0		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF50609 Lab Sample ID: 680-227330-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	307000		500		ug/L			6010D	Total
									Recoverable
Iron	114000		100		ug/L	1		6010D	Total
									Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Savannah

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Detection Summary

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

Job ID: 680-227330-1

Lab Sample ID: 680-227330-9

6020B

Recoverable

Client Sample ID: AF50609 (Continued)

Lab Sample ID: 680-227330-8

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.23	3.00		ug/L		_	6020B	Total
								Recoverable
Barium	24.9	5.00		ug/L	1		6020B	Total
								Recoverable
Beryllium	14.7	0.500		ug/L	1		6020B	Total
								Recoverable
Cadmium	2.15	0.500		ug/L	1		6020B	Total
								Recoverable
Cobalt	78.6	0,500		ug/L	1		6020B	Total
								Recoverable
Lead	48.3	2.50		ug/L	1		6020B	Total
								Recoverable
Nickel	38.0	5.00		ug/L	1		6020B	Total
								Recoverable
Selenium	56.9	2.50		ug/L	1		6020B	Total
								Recoverable
Zinc	54.7	20.0		ug/L	1		6020B	Total
								Recoverable

Client Sample ID: AF50610

Cobalt

Analyte	Result	Qualifier RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	1620	500	W	ug/L	1	W-5	6010D	Total
								Recoverable
Iron	2260	100		ug/L	1		6010D	Total
								Recoverable
Barium	35.2	5.00		ug/L	1		6020B	Total
	.,							Recoverable
Beryllium	0.775	0.500		ug/L	1		6020B	Total
								Recoverable
Chromium	5.79	5.00		ug/L	1		6020B	Total
								Recoverable

0.500

ug/L

20.2

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

Method: SW846 7470A - Mercury (CVAA)

Analyte

Mercury

Mercury

Job ID: 680-227330-1

Client Sample ID: AF50607

Lab Sample ID: 680-227330-1

Matrix: Water

Date Collected: 12/06/22 10:22 Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	673000		500		ug/L		12/12/22 14:06	12/13/22 14:08	1
Iron	40600		100		ug/L		12/12/22 14:06	12/13/22 14:08	1
Method: SW846 6020B -	Metals (ICP/MS) - Total	Recoverable)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Barium	45.6		5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Cobalt	7.32		0.500		ug/L		12/12/22 14:06	12/13/22 14:30	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:30	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Selenium	3.58		2.50		ug/L		12/12/22 14:06	12/13/22 14:30	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:30	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:30	1

RL

0.200

0.200

MDL Unit

ug/L

ug/L

Prepared

12/13/22 08:49

12/20/22 15:23

Analyzed

12/13/22 17:40

12/21/22 16:37

Dil Fac

Result Qualifier

0.200 U F1

0.200 U

Eurofins Savannah

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

Lab Sample ID: 680-227330-2

Matrix: Water

Job ID: 680-227330-1

Client Sample ID: AF50606 Date Collected: 12/06/22 11:34

Date Received: 12/09/22 10:00

Method: SW846 6010D - Metals	(ICP) - Total Red	overable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	81700		500		ug/L		12/12/22 14:06	12/13/22 14:11	1
Iron	88800		100		ug/L		12/12/22 14:06	12/13/22 14:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L	21 -21	12/12/22 14:06	12/13/22 14:33	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Barium	273		5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Beryllium	1.99		0.500		ug/L		12/12/22 14:06	12/13/22 14:33	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:33	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Cobalt	21.1		0.500		ug/L		12/12/22 14:06	12/13/22 14:33	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Lead	3.70		2.50		ug/L		12/12/22 14:06	12/13/22 14:33	1
Nickel	8.37		5.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Selenium	4.99		2.50		ug/L		12/12/22 14:06	12/13/22 14:33	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:33	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:33	1

Method: SW846 7470A - Merc	cury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L	& &	12/13/22 08:49	12/13/22 17:48	1

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

Client Sample ID: AF50605

Nickel

Selenium

Thallium

Zinc

Lab Sample ID: 680-227330-3

Job ID: 680-227330-1

Date Collected: 12/06/22 13:25 Date Received: 12/09/22 10:00

Matrix: Water

12/13/22 14:38

12/13/22 14:38

12/13/22 14:38

12/13/22 14:38

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	97300		500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Iron	83400		100		ug/L		12/12/22 14:06	12/13/22 14:14	1
Method: SW846 6020B -	Metals (ICP/MS) - Total	Recoverable	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Arsenic	96.8		3.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Barium	122		5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:38	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:38	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Cobalt	0.820		0.500		ug/L		12/12/22 14:06	12/13/22 14:38	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:38	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:38	1

Method: SW846 7470A - Me	rcury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:50	1

5.00

2.50

1.00

20.0

ug/L

ug/L

ug/L

ug/L

12/12/22 14:06

12/12/22 14:06

12/12/22 14:06

12/12/22 14:06

5.00 U

2.50 U

1.00 U

20.0 U

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

Lab Sample ID: 680-227330-4

Matrix: Water

Job ID: 680-227330-1

Client Sample ID: AF50604

Date Collected: 12/06/22 14:34 Date Received: 12/09/22 10:00

Analyte

Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	184000		500		ug/L		12/12/22 14:06	12/13/22 13:50	1
Ir <mark>on</mark>	5760		100		ug/L		12/12/22 14:06	12/13/22 13:50	1
Method: SW846 6020B -	Metals (ICP/MS) - Total	Recoverable							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Arsenic	186		3.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Barium	84.5		5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Cobalt	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:14	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:14	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:14	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:14	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:14	1

RL

0.200

MDL Unit

ug/L

Prepared

12/13/22 08:49

Analyzed

12/13/22 17:53

Result Qualifier

0.200 U

Dil Fac

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

Lab Sample ID: 680-227330-5

Job ID: 680-227330-1

Matrix: Water

Client Sample ID: AF50602 Date Collected: 12/07/22 10:07

Date Received: 12/09/22 10:00

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	108000	500		ug/L		12/12/22 14:06	12/13/22 13:59	1
Iron	1770	100		ug/L		12/12/22 14:06	12/13/22 13:59	1

Method: SW846 6020B -	Charles Annual Control of Control					_			200.00
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Arsenic	62.1		3.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Barium	62.1		5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Cobalt	2.03		0.500		ug/L		12/12/22 14:06	12/13/22 14:22	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:22	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:22	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:22	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:22	1

Method: SW846 7470A - M	lercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:55	1

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

Mercury

Job ID: 680-227330-1

Lab Sample ID: 680-227330-6 Client Sample ID: AF50603

Date Collected: 12/07/22 10:12 Matrix: Water

Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	106000		500		ug/L		12/12/22 14:06	12/13/22 14:02	1
Ir <mark>on</mark>	1670		100		ug/L		12/12/22 14:06	12/13/22 14:02	1
Method: SW846 6020B	- Metals (ICP/MS) - Total	Recoverable)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Arsenic	69.0		3.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Barium	67.5		5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Cobalt	2.17		0.500		ug/L		12/12/22 14:06	12/13/22 14:24	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:24	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:24	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:24	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:24	1
Method: SW846 7470A	- Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

0.200

ug/L

12/13/22 08:49

12/13/22 17:58

0.200 U

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

Job ID: 680-227330-1

Lab Sample ID: 680-227330-7

Matrix: Water

Date Collected: 12/07/22 13:42 Date Received: 12/09/22 10:00

Client Sample ID: AF50608

IV	lethod: SW846 6010D - Metals (ICP) - Total R	ecovera	able						
A	nalyte Resu	lt Qualifi	ier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C	alcium 30300	0	500		ug/L		12/12/22 14:06	12/13/22 14:05	1
lr	on 11200	0	100		ug/L		12/12/22 14:06	12/13/22 14:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Arsenic	6.11		3.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Barium	24.8		5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Beryllium	11.6		0.500		ug/L		12/12/22 14:06	12/13/22 14:27	1
Cadmium	2.95		0.500		ug/L		12/12/22 14:06	12/13/22 14:27	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Cobalt	75.2		0.500		ug/L		12/12/22 14:06	12/13/22 14:27	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Lead	47.3		2.50		ug/L		12/12/22 14:06	12/13/22 14:27	1
Nickel	36.1		5.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Selenium	55.8		2.50		ug/L		12/12/22 14:06	12/13/22 14:27	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:27	1
Zinc	55.0		20.0		ug/L		12/12/22 14:06	12/13/22 14:27	1

Method: SW846 7470A - Me	ercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 18:05	1

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

12/13/22 08:49 12/13/22 18:08

Lab Sample ID: 680-227330-8

Matrix: Water

Job ID: 680-227330-1

Client	Samp	le ID:	AF50609
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Date Collected: 12/07/22 13:47 Date Received: 12/09/22 10:00

Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	307000		500		ug/L		12/12/22 14:06	12/13/22 14:17	1
Iron	114000		100		ug/L		12/12/22 14:06	12/13/22 14:17	1
Method: SW846 6020B -	- Metals (ICP/MS) - Total	Recoverable)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Arsenic	9.23		3.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Barium	24.9		5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Beryllium	14.7		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Cadmium	2.15		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Cobalt	78.6		0.500		ug/L		12/12/22 14:06	12/13/22 14:41	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Lead	48.3		2.50		ug/L		12/12/22 14:06	12/13/22 14:41	1
Nickel	38.0		5.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Selenium	56.9		2.50		ug/L		12/12/22 14:06	12/13/22 14:41	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:41	1
Zinc	54.7		20.0		ug/L		12/12/22 14:06	12/13/22 14:41	1
Method: SW846 7470A -	- Mercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

0.200

ug/L

0.200 U

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

Lab Sample ID: 680-227330-9

Matrix: Water

Job ID: 680-227330-1

Client	Samp	le ID:	AF50	610

Date Collected: 12/07/22 15:03 Date Received: 12/09/22 10:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	1620	-	500		ug/L		12/12/22 14:06	12/13/22 14:20	1
Iron	2260		100		ug/L		12/12/22 14:06	12/13/22 14:20	1
Method: SW846 6020B - M	letals (ICP/MS) - Total	Recoverable)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Barium	35.2		5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Beryllium	0.775		0.500		ug/L		12/12/22 14:06	12/13/22 14:44	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 14:44	1
Chromium	5.79		5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Cobalt	20.2		0.500		ug/L		12/12/22 14:06	12/13/22 14:44	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:44	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 14:44	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 14:44	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 14:44	1
Method: SW846 7470A - M	lercury (CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 18:11	1

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

Job ID: 680-227330-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 680-754738/1-A

Matrix: Water

Analysis Batch: 755000

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 754738

	IVID	1480							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	500	U	500		ug/L		12/12/22 14:06	12/13/22 13:35	1
Iron	100	U	100		ug/L		12/12/22 14:06	12/13/22 13:35	1

NAD NAD

Lab Sample ID: LCS 680-754738/2-A

Matrix: Water

Analysis Batch: 755000

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable

Prep Batch: 754738

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Calcium	5000	4611		ug/L		92	80 - 120	
Iron	5000	4674		ug/L		93	80 - 120	

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 680-754740/1-A

Matrix: Water

Analysis Batch: 755052

Client Sample ID: Method Blank Prep Type: Total Recoverable

Prep Batch: 754740

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Arsenic	3.00	U	3.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Barium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Beryllium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	1
Cadmium	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	1
Chromium	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Cobalt	0.500	U	0.500		ug/L		12/12/22 14:06	12/13/22 13:49	1
Copper	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Lead	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 13:49	1
Nickel	5.00	U	5.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Selenium	2.50	U	2.50		ug/L		12/12/22 14:06	12/13/22 13:49	1
Thallium	1.00	U	1.00		ug/L		12/12/22 14:06	12/13/22 13:49	1
Zinc	20.0	U	20.0		ug/L		12/12/22 14:06	12/13/22 13:49	1

Lab Sample ID: LCS 680-754740/2-A

Matrix: Water

Analysis Batch: 755052

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable

Prep Batch: 754740

Analysis Balch. 100002							Prep Ball	m. 754740
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Antimony	50.0	58.15	(.	ug/L		116	80 - 120	
Arsenic	100	103.8		ug/L		104	80 - 120	
Barium	100	110.7		ug/L		111	80 - 120	
Beryllium	50.0	58.21		ug/L		116	80 - 120	
Cadmium	50.0	54.60		ug/L		109	80 - 120	
Chromium	100	116.2		ug/L		116	80 - 120	
Cobalt	50.0	57.53		ug/L		115	80 - 120	
Copper	100	117.1		ug/L		117	80 - 120	
Lead	505	547.5		ug/L		109	80 - 120	
Nickel	99.0	116.8		ug/L		118	80 - 120	
Selenium	150	154.6		ug/L		103	80 - 120	
Thallium	50.0	52.85		ug/L		106	80 - 120	

Eurofins Savannah

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III S

12/22/2022

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

Job ID: 680-227330-1

112

80 - 120

Client Sample ID: AF50607

Prep Type: Total/NA

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

	Lab Sample ID: LCS 680-754740/2-A				Client	Sample	ID: Lab Control Sample
	Matrix: Water					Prep	Type: Total Recoverable
	Analysis Batch: 755052						Prep Batch: 754740
	Spike	LCS	LCS				%Rec
l	Analyte Added	Decult	Qualifier	Unit	D	0/ Dec	Limite

112.1

ug/L

100

Method:	7/170A -	Mercury	(CVAA)

Lab Sample ID: 680-227330-1 MS

Matrix: Water

Zinc

Lab Sample ID: MB 680-754829/12-A	Client Sample ID: Method Blank
Matrix: Water	Prep Type: Total/NA
Analysis Batch: 755259	Prep Batch: 754829
MB MB	

	9.000000	500 N - 30							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.200	U	0.200		ug/L		12/13/22 08:49	12/13/22 17:35	1
Lab Sample ID: LCS 680-754829/13-A						C	lient Sample II	D: Lab Control	Sample

Lab Sample ID: LCS 680-754829/13-A					Client	Sample	ID: Lab Co	ontrol Sample
Matrix: Water							Prep T	ype: Total/NA
Analysis Batch: 755259							Prep E	Batch: 754829
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Mercury	2.50	2.502	(2	ug/L		100	80 - 120	:

Analysis Batch: 75525	9								Prep Ba	atch: 754829	j
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Mercury	0.200	II E1	1.00	0.3308	E1	ua/l		33	90 120		Ī

Mercury	0.200	U F1	1.00	0.3308	F1	ug/L	33	80 - 120
Lab Sample ID: 680-227330-1 MS							C	lient Sample ID: AF50607
Matrix: Water								Prep Type: Total/NA

Analysis Batch: 755260									Prep Bato	ch: 754829
•	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Mercury	0.200	II F1	1.00	0.3600	F1	uall		37	90 120	

Lab Sample ID: 680-227330-1 MSD	Client Sample ID: AF50607
Matrix: Water	Prep Type: Total/NA

Analysis Batch: 755259									Prep	Batch: 7	54829
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.200	U F1	1.00	0.3280	F1	ug/L		33	80 - 120	1	20

Lab Sample ID: 680-227330-1 MSD								CI	ient Sample	e ID: AF	50607
Matrix: Water									Prep T	ype: To	tal/NA
Analysis Batch: 755260									Prep E	Batch: 7	54829
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.200	U F1	1.00	0.3991	F1	ug/L	20 (7-20	40	80 - 120	8	20

QC Sample Results

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

Job ID: 680-227330-1

Prep Type: Total/NA

Prep Batch: 756169

Prep Type: Total/NA

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 680-756169/1-A Client Sample ID: Method Blank

Matrix: Water

Analyte

Analysis Batch: 756421

MB MB Result Qualifier MDL Unit Analyzed Dil Fac RL Prepared

Mercury 0.200 U 0.200 ug/L 12/20/22 15:23 12/21/22 13:32 Lab Sample ID: LCS 680-756169/2-A Client Sample ID: Lab Control Sample

Matrix: Water Analysis Batch: 756421

Prep Batch: 756169 Spike LCS LCS %Rec

Added Result Qualifier Limits Analyte Unit D %Rec 80 - 120 Mercury 2.50 2.348 ug/L 94

QC Association Summary

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

Job ID: 680-227330-1

Metals

Prep Batch: 754738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
680-227330-1	AF50607	Total Recoverable	Water	3005A	
680-227330-2	AF50606	Total Recoverable	Water	3005A	
680-227330-3	AF50605	Total Recoverable	Water	3005A	
680-227330-4	AF50604	Total Recoverable	Water	3005A	
680-227330-5	AF50602	Total Recoverable	Water	3005A	
680-227330-6	AF50603	Total Recoverable	Water	3005A	
680-227330-7	AF50608	Total Recoverable	Water	3005A	
680-227330-8	AF50609	Total Recoverable	Water	3005A	
680-227330-9	AF50610	Total Recoverable	Water	3005A	
MB 680-754738/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-754738/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 754740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	3005A	
680-227330-2	AF50606	Total Recoverable	Water	3005A	
680-227330-3	AF50605	Total Recoverable	Water	3005A	
680-227330-4	AF50604	Total Recoverable	Water	3005A	
680-227330-5	AF50602	Total Recoverable	Water	3005A	
680-227330-6	AF50603	Total Recoverable	Water	3005A	
680-227330-7	AF50608	Total Recoverable	Water	3005A	
680-227330-8	AF50609	Total Recoverable	Water	3005A	
680-227330-9	AF50610	Total Recoverable	Water	3005A	
MB 680-754740/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-754740/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 754829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	
680-227330-2	AF50606	Total/NA	Water	7470A	
680-227330-3	AF50605	Total/NA	Water	7470A	
680-227330-4	AF50604	Total/NA	Water	7470A	
680-227330-5	AF50602	Total/NA	Water	7470A	
680-227330-6	AF50603	Total/NA	Water	7470A	
680-227330-7	AF50608	Total/NA	Water	7470A	
580-227330-8	AF50609	Total/NA	Water	7470A	
680-227330-9	AF50610	Total/NA	Water	7470A	
MB 680-754829/12-A	Method Blank	Total/NA	Water	7470A	
LCS 680-754829/13-A	Lab Control Sample	Total/NA	Water	7470A	
680-227330-1 MS	AF50607	Total/NA	Water	7470A	
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	

Analysis Batch: 755000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	6010D	754738
680-227330-2	AF50606	Total Recoverable	Water	6010D	754738
680-227330-3	AF50605	Total Recoverable	Water	6010D	754738
680-227330-4	AF50604	Total Recoverable	Water	6010D	754738
680-227330-5	AF50602	Total Recoverable	Water	6010D	754738
680-227330-6	AF50603	Total Recoverable	Water	6010D	754738
680-227330-7	AF50608	Total Recoverable	Water	6010D	754738

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QC Association Summary

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

Job ID: 680-227330-1

Metals (Continued)

Analysis	Batch:	755000	(Continued)
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-8	AF50609	Total Recoverable	Water	6010D	754738
680-227330-9	AF50610	Total Recoverable	Water	6010D	754738
MB 680-754738/1-A	Method Blank	Total Recoverable	Water	6010D	754738
LCS 680-754738/2-A	Lab Control Sample	Total Recoverable	Water	6010D	754738

Analysis Batch: 755052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total Recoverable	Water	6020B	754740
680-227330-2	AF50606	Total Recoverable	Water	6020B	754740
680-227330-3	AF50605	Total Recoverable	Water	6020B	754740
680-227330-4	AF50604	Total Recoverable	Water	6020B	754740
680-227330-5	AF50602	Total Recoverable	Water	6020B	754740
680-227330-6	AF50603	Total Recoverable	Water	6020B	754740
680-227330-7	AF50608	Total Recoverable	Water	6020B	754740
680-227330-8	AF50609	Total Recoverable	Water	6020B	754740
680-227330-9	AF50610	Total Recoverable	Water	6020B	754740
MB 680-754740/1-A	Method Blank	Total Recoverable	Water	6020B	754740
LCS 680-754740/2-A	Lab Control Sample	Total Recoverable	Water	6020B	754740

Analysis Batch: 755259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	754829
680-227330-2	AF50606	Total/NA	Water	7470A	754829
680-227330-3	AF50605	Total/NA	Water	7470A	754829
680-227330-4	AF50604	Total/NA	Water	7470A	754829
680-227330-5	AF50602	Total/NA	Water	7470A	754829
680-227330-6	AF50603	Total/NA	Water	7470A	754829
680-227330-7	AF50608	Total/NA	Water	7470A	754829
680-227330-8	AF50609	Total/NA	Water	7470A	754829
680-227330-9	AF50610	Total/NA	Water	7470A	754829
MB 680-754829/12-A	Method Blank	Total/NA	Water	7470A	754829
LCS 680-754829/13-A	Lab Control Sample	Total/NA	Water	7470A	754829
680-227330-1 MS	AF50607	Total/NA	Water	7470A	754829
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	754829

Analysis Batch: 755260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1 MS	AF50607	Total/NA	Water	7470A	754829
680-227330-1 MSD	AF50607	Total/NA	Water	7470A	754829

Prep Batch: 756169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	20 00
MB 680-756169/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-756169/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 756421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-227330-1	AF50607	Total/NA	Water	7470A	756169
MB 680-756169/1-A	Method Blank	Total/NA	Water	7470A	756169
LCS 680-756169/2-A	Lab Control Sample	Total/NA	Water	7470A	756169

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Job ID: 680-227330-1

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

Client Sample ID: AF50607

Date Collected: 12/06/22 10:22 Date Received: 12/09/22 10:00 Lab Sample ID: 680-227330-1

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:08
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:30
Total/NA	Prep	7470A			756169	BCB	EET SAV	12/20/22 15:23
Total/NA	Analysis	7470A		1	756421	BCB	EET SAV	12/21/22 16:37
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:40

Client Sample ID: AF50606

Lab Sample ID: 680-227330-2

Matrix: Water

Matrix: Water

Date Collected: 12/06/22 11:34 Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	79-72	37 25	754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:11
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:33
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:48

Client Sample ID: AF50605

Date Collected: 12/06/22 13:25

Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		-	754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:14
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:38
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:50

Client Sample ID: AF50604

Date Collected: 12/06/22 14:34

Date Received: 12/09/22 10:00

Lab	Sample	ID:	680-227330-4
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Lab Sample ID: 680-227330-3

Matrix: Water

=:	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A		= - 2 a	754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	ВЈВ	EET SAV	12/13/22 13:50
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:14
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:53

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Job ID: 680-227330-1

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

Client Sample ID: AF50602

Date Received: 12/09/22 10:00

Lab Sample ID: 680-227330-5 Date Collected: 12/07/22 10:07

Matrix: Water

Batch Batch Dilution Prepared **Batch Prep Type** Туре Method Run Factor **Number Analyst** Lab or Analyzed 3005A 754738 EET SAV 12/12/22 14:06 Total Recoverable Prep RR Total Recoverable Analysis 6010D 1 755000 BJB **EET SAV** 12/13/22 13:59 Total Recoverable Prep 3005A 754740 RR EET SAV 12/12/22 14:06 Total Recoverable Analysis 6020B 755052 BWR EET SAV 12/13/22 14:22 Total/NA Prep 7470A 754829 JKL EET SAV 12/13/22 08:49 Total/NA Analysis 7470A 1 755259 JKL EET SAV 12/13/22 17:55

Client Sample ID: AF50603

Lab Sample ID: 680-227330-6

Date Collected: 12/07/22 10:12 Matrix: Water Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:02
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:24
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 17:58

Client Sample ID: AF50608 Lab Sample ID: 680-227330-7

Date Collected: 12/07/22 13:42 Matrix: Water Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:05
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:27
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:05

Client Sample ID: AF50609 Lab Sample ID: 680-227330-8

Date Collected: 12/07/22 13:47 Matrix: Water Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A	15. KE	37 5	754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:17
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:41
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:08

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Lab Chronicle

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

Job ID: 680-227330-1

Lab Sample ID: 680-227330-9

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Matrix: Water

Client Sample ID: AF50610 Date Collected: 12/07/22 15:03

Date Received: 12/09/22 10:00

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total Recoverable	Prep	3005A			754738	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6010D		1	755000	BJB	EET SAV	12/13/22 14:20
Total Recoverable	Prep	3005A			754740	RR	EET SAV	12/12/22 14:06
Total Recoverable	Analysis	6020B		1	755052	BWR	EET SAV	12/13/22 14:44
Total/NA	Prep	7470A			754829	JKL	EET SAV	12/13/22 08:49
Total/NA	Analysis	7470A		1	755259	JKL	EET SAV	12/13/22 18:11

Laboratory References:

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

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Chain of Custody



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

Customer Email/Report Recipient: Date Results Needed by: Project/Task/Unit #: Rerun request for any flagged QC LINDA WILLIAMS @santeecooper.com 125915 / JMOZ.09. GOI.1/ 36500 Yes No Analysis Group Labworks ID# Sample Location/ Comments METALS Preservative (see below) Matrix(see below) (Internal use Description **Collection Date** Collection Time (Glass Method # Sample Collector Total # of contain Grab (G) or Composite (C) only) • Reporting limit Bottle type: (G/Plastic-P) . Misc. sample info TOTAL -SEE Any other notes 6010 6020 NUK 12/6/22 21 G GW 2 X WAP-29 1022 AF50607 AS Or OU Cq Ba Pb NI Fe WAP 28 1134 Be Sh to cd se CO TI WAP-27 05 1325 WLF-A2-2 Hq-747D 1434 04 WLF-AZ-1 12/1/22 1007 AF 50602 * SEE SHEET FOR RLS. 03 WLF- AZ-1 DUP 10/2 CGYP-7 08 1342 CGYP-7 DUP 09 1347 10 CCMAP-8 1503 Sample Receiving (Internal Use Only) Relinquished by: Employee# Date Time Received by: Employee# Date Time TEMP (°C):_ Initial: P:UP 2/9 14/8/22 1500 RPP 891Droun 35594 Correct pH: Yes Relinquished by: Employee# Date Time Received by: Employee # Date Time 15:1/15. Preservative Lot#: Relinquished by: Employee# Date Time Received by: Date Time Employee # Date/Time/Init for preservative: ☐ METALS (all) Nutrients MISC. <u>Gypsum</u> Coal Flyash ØSb D/Cu D Ag □ TOC □ BTEX □ Wallboard Trans. Oll Qual. ☐ Ultimate □ Ammonia '⊿'Fe O Al Ø Se DOC □ Napthalene Gypsum(all %Moisture ☐ % Moisture O LOI Ø As $\square K$ □ Sn O THM/HAA Color below) □ TP/TPO4 □ Ash □ % Carbon □ VOC □ AIM Acidity □ NH3-N ☐ Sulfur OBO Li O Sr ☐ Mineral □ Oil & Grease DTOC Dielectric Strength OF □ BTUs Analysis DE. Coli 11.7 Ø Ba U Ti ☐ Total metals □ Mg D CI ☐ Volatile Matter ☐ Total Coliform D Sieve Dissolved Gases ☐ Soluble Metals D'TI [2′Be □ Mn FLNO2 □ CHN Used Oil □pH ☐ % Moisture ☐ Purity (CaSO4) □ Br ☐ Dissolved As Other Tests: Flashpoint □ % Moisture ☑ Ca □Мо ΟV ☐ Dissolved Fe □ NO3 D XRF Scan Metals in oil (As,Cd,Cr,Ni,Pb () Sulfites **NPDES** Ø Cd □ Na Ø Zn ☐ Rad 226 **D SO4** □pH D HGL Oil & Grease Hg) ☐ Rad 228 ☐ Chlorides D Fineness Ø Co Ø Ni Ø Hg O PCB ☐ Particulate Matter ☐ Particle Size Ø Pb Ø Cr □ CrVI OFER □ Sulfur

680-227330 Chain of Custody

Login Sample Receipt Checklist

Client: South Carolina Public Service Authority

Job Number: 680-227330-1

Login Number: 227330 List Source: Eurofins Savannah

List Number: 1

Creator: Padayao, Abigail

Answer N/A True True True False	Comment
True True True	
True True	
True	
False	
	Thermal preservation not required.
True	
N/A	
True True True	
	True True True True True True True True

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Accreditation/Certification Summary

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

Job ID: 680-227330-1

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date	
South Carolina	State	98001	06-30-23	

Field Data Sheets
ote: color coding is to assist with stabilization of the field parameters prior to sample collection)

Cross Generating Station Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-7	85.48	10.14	10-20	12/7/2022	1342	23.5
AND	PROPERTY RESPECT		The state of the state of	Association Control	3	

Drawdown: 10.53 depth to GW (ft)

Time	Temp round 1	pH round 1	Eh ORP	Spec Cond round 1	Turbidity	Dissolved Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1311	21.48	4.07	267	3830	0	1.8
1316	21.66	3.88	304	3810	0	0.62
1321	21.67	3.85	303	3780	0.5	0.41
1326	21.7	3.85	299	3740	0.8	0.34
1331	21.8	3.85	296	3700	0.4	0.28
1336	21.81	3.86	293	3650	0.4	0.25
1339	21.74	3.86	291	3630	0.5	0.26
1342	21.74	3.85	290	3610	0.6	0.26

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As
Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

DUP @ 1347

Samples were collected by Justin Kirk and Marvin Lewis

Cross Generating Station Former Gypsum Pond Groundwater Monitoring Wells

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-7	85.48	10.03	10-20	10/26/2022	924	23.51

Drawdown: 10.24 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
909	22.92	3.56	228	3830	12.4	1.26
914	23.5	3.64	239	3850	12.1	0.96
919	23.85	3.67	238	3880	9.4	0.87
924	24.17	3.69	238	3840	9.1	0.8
		B				

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Samples were collected by Justin Kirk and Marvin Lewis

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-6	83.23	7.92	9-19	10/25/2022	1140	22.33

Drawdown: 8.29 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1112	24.62	3.51	474	2080	2.7	3.39
1117	24.56	3.52	484	2120	1.3	3.21
1122	24.87	3.47	363	3340	0	1.06
1127	24.84	3.51	302	3520	0	0.81
1132	24.82	3.53	285	3520	0	0.73
1137	24.66	3,55	278	3480	0	0.7
1140	24.62	3.56	275	3460	0	0.69
	_		_		_	
			_			

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-4	83.49	7.58	10-20	10/25/2022	1246	22.92

Drawdown: 8.89 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1215	25.76	3.02	531	2500	1.8	4.16
1220	25.74	3.27	401	2290	1.6	1.64
1225	25.77	3.63	323	2200	1.5	0.84
1230	25.86	3.68	295	2190	1.1	0.73
1235	25.87	3.67	292	2190	1.2	0.7
1240	25.96	3.68	280	2190	1.2	0.68
1243	26	3.67	281	2190	1	0.66
1246	26.09	3.69	272	2190	1.2	0.64
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	GW Screen		Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-3	83.95	8.3	10-20	10/25/2022	1411	23.13

Drawdown: 8.67 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1	round 1	
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1343	26.47	2.84	442	3460	0.3	1.29
1348	26.5	2.84	442	3480	0.5	0.91
1353	26.56	3.33	352	3590	0	0.81
1358	26.54	3.51	300	3690	0:	0.73
1403	26.5	3.55	280	3730	0	0.69
1408	26.55	3.56	274	3760	0	0.66
1411	26.56	3.56	275	3800	0	0.65
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-2	84.88	9.44	8'-18'	10/25/2022	1516	21.49

Drawdown: 9.78 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1442	28.15	3.32	380	1680	1.2	1.64
1447	27.84	3.4	369	1570	0.4	0.88
1452	27.57	3.75	326	1500	1.2	0.74
1457	27.38	3.78	280	1520	0.6	0.69
1502	27.25	3.75	283	1550	0.6	0.67
1507	27.19	3.8	294	1560	1	0.64
1510	27.15	3.8	279	1560	1	0.63
1513	27.22	3.8	274	1560	0.9	0.64
1516	27.27	3.8	276	1560	1	0.64
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Duplicate @ 1521

W	ell ID	TOC	GW	Screen	Sample	Sample	Total
		Elevation	Depth	Intervals	Date	Time	Well
		(feet)	(feet)	(ft, bgs)			Depth
CC	GYP-1	91.89	16.65	14'-24'	10/26/2022	1030	26.98

Drawdown: 17.06 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1010	25.93	4.08	224	2170	8.6	1.71
1015	25.61	4.12	213	2210	5.6	0.95
1020	25.44	4.09	213	2260	4.6	0.77
1025	25.34	4.05	215	2290	3.8	0.71
1030	25.24	4.01	214	2320	3.1	0.68
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Cross Generating Station Background Groundwater Monitoring Wells

Well ID	TOC	GW	Screen	Sample	Sample
	Elevation	Depth	Intervals	Date	Time
	(feet)	(feet)	(ft, bgs)		
CBW-1	85.80	10.42	14-24	10/25/2022	1034

Drawdown: 10.47 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity
	round 1	round 1	ORP	round 1	Xaha
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)
1000	24.34	4.4	206	183	1.7
1005	24.42	4.27	257	183	0
1010	24.38	4.31	263	188	0
1015	24.38	4.32	276	189	0
1020	24.33	4.31	286	190	0
1025	24.3	4.31	294	190	0
1028	24.3	4.31	298	190	0
1031	24.3	4.31	300	190	0
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CCR/Class 3 Landfill: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions: Field data was lost when file wouldn't open. Field data redone on 11/-

Cross Generating Station CCR Groundwater Monitoring Wells

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
PM-1	83.24	8.19	4-24	10/25/2022	927	26.34

Drawdown:

8.76

depth to GW (ft)

Time	Temp	pH	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1	(NITTI)	Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
902	24.75	4.96	79	169	26.3	1.91
907	24.68	5	59	133	22.1	1.17
912	24.88	5	57	123	6.1	0.97
917	24.97	4.99	55	121	0	0.86
922	24.97	5.01	52	121	0	0.82
927	24.97	5.01	50	121	0	0.78
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dissolved As Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-6	83.23	8.9	9-19	6/21/2022	1423	27.32

Drawdown: 9.5 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1352	27.82	4.24	260	2200	0	1.64
1357	27.41	3.8	265	3370	0	0.6
1402	27.36	3.8	257	3370	0	0.52
1407	28.17	3.82	257	3400	0	0.6
1412	27.71	3.83	263	3320	0	0.62
1417	27.47	3.81	251	3340	0	0.52
1420	27.41	3.82	247	3340	0	0.48
1423	27.42	3.82	246	3340	0	0.46

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-4	83.49	8.32	10-20	6/21/2022	1323	23

Drawdown: 8.69 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1255	26.41	4.04	245	2220	0	1.22
1300	25.62	3.92	237	2220	0	1.44
1305	25.37	3.89	235	2220	0	1.55
1310	24.89	3.88	238	2250	0	1.02
1315	24.71	3.88	235	2270	00	0.85
1320	24.72	3.89	232	2270	0	0.78
1323	24.8	3.89	232	2270	0	0.74
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-3	83.95	9.55	10-20	6/21/2022	1231	23.13

Drawdown: 10 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1203	29.19	4.11	209	2750	0	3.99
1208	28.58	3.86	223	2890	0	2.98
1213	28.13	3.84	220	3010	1.1	2.64
1218	27.88	3.85	215	3130	3.6	2.41
1223	27.7	3.86	204	3290	3.1	2.2
1228	27.64	3.87	204	3380	0.7	2.03
1231	27.62	3.87	206	3430	0	1.92

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-2	84.88	10.72	8'-18'	6/21/2022	1109	21.95

Drawdown: 10.95 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1035	29.97	4.02	239	10	64.9	5.65
1040	29.99	3.92	238	12	75.2	4.36
1045	29.84	3.95	242	13	71.5	4.31
1050	29.75	3.97	246	11	71.3	4.35
1055	29.71	4	238	12	66.4	4.38
1100	29.61	4.01	237	11	64.6	4.31
1103	29.54	4.01	238	12	63.8	4.27
1106	29.44	4.01	242	12	63.6	4.21
1109	29.35	4.01	239	12	63.7	4.16

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Duplicate at 1114

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-1	91.89	17.74	14'-24'	6/21/2022	1004	26.98

Drawdown: 18.03 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
930	20.34	4.35	130	16	44.2	9.79
935	20.73	4.3	142	17	56.7	7.33
940	21.41	4.29	148	14	63	6.55
945	22.2	4.31	155	13	71.4	6.05
950	23.04	4.31	153	13	84.1	5.69
955	24.1	4.32	160	14	89.9	5.25
958	24.49	4.31	164	15	90.9	5.12
1001	25.11	4.3	170	15	93.5	4.91
1004	25.63	4.28	172	15	94.8	4.76
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Cross Generating Station Background Groundwater Monitoring Wells

Well ID	TOC	GW	Screen	Sample	Sample
	Elevation	Depth	Intervals	Date	Time
	(feet)	(feet)	(ft, bgs)		
CBW-1	85.80	11.6	14-24	6/20/2022	1416

Drawdown: 11.62 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity
	round 1	round 1	ORP	round 1	
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)
1351	24	4.45	235	1	97.2
1356	24.27	4.45	235	1	97
1401	24.69	4.32	226	1	91
1406	25.14	4.32	239	1	91.6
1411	25.61	4.39	241	1	90.3
1416	26.04	4.45	242	1	90.3

CCR/Class 3 Landfill: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Cross Generating Station CCR Groundwater Monitoring Wells

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
PM-1	83.24	9	4-24	6/20/2022	1531	26.29

Drawdown:

9.43

depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1500	30.15	5	-34	90	0	4.3
1505	29.23	4.89	-54	87	0	3.1
1510	28.93	4.87	-55	87	0	2.69
1515	28.56	4.84	-54	87	0	2.3
1520	28.34	4.82	-53	88	0	2.1
1525	28.12	4.83	-54	87	0	1.82
1528	27.99	4.83	-54	88	0	1.71
1531	27.87	4.84	-54	88	0	1.6
		0				

dissolved As Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

 $\textbf{CCR Only:} \ \, \text{As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As} \\$

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-6	83.23	7.97	9-19	1/31/2022	1629	22.36

Drawdown: 8.35 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1553	20.65	3.82	340	3850	0	0.48
1558	20.77	3.81	332	3880	0	0.37
1603	21.09	3.83	326	3850	0	0.36
1608	21.36	3.87	319	3800	0	0.33
1613	21.55	3.89	309	3710	0	0.31
1618	21.64	3.91	306	3630	0	0.3
1621	21.92	3.93	307	3520	0	0.3
1624	22	3.93	304	3480	0	0.29
1627	21.99	3.93	297	3390	0	0.29
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-4	83.49	7.3	10-20	1/31/2022	1517	23.08

Drawdown: 7.68 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1449	20.39	3.96	301	2670	13.5	5.68
1454	20.39	3.83	311	2610	0	0.81
1459	20.55	3.87	296	2600	0	0.45
1504	20.61	3.89	289	2600	0	0.4
1509	20.67	3.9	280	2610	0	0.37
1514	20.67	3.91	276	2610	0	0.35
1517	20.72	3.9	275	2610	0	0.35
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-3	83.95	8.09	10-20	1/31/2022	1421	23.16

Drawdown: 8.15 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1353	20.6	3.99	281	4430	7.8	1.5
1358	20.27	3.95	281	4470	0	0.61
1403	20.01	3.9	280	4590	0	0.5
1408	19.85	3.87	277	4660	0	0.48
1413	20	3.85	277	4700	0	0.42
1418	19.97	3.85	274	4750	0	0.4
1421	19.96	3.84	273	4760	0	0.39

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-2	84.88	9.4	8'-18'	1/31/2021	1242	21.51

Drawdown: 9.75 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1217	21.36	4.26	245	1720	21.8	2.39
1222	21.09	4.11	262	1660	1.2	0.69
1227	20.63	4.03	263	1670	0	0.49
1232	20.52	4.01	263	1670	0	0.4
1237	20.53	3.97	263	1670	0	0.37
1242	20.43	3.96	264	1670	0	0.35

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Duplicate at 1247

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
CGYP-1	91.89	17.86	14'-24'	1/31/2022	1150	27

Drawdown: 17.15 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1116	18.33	4.65	168	3020	20.3	1.75
1121	18.19	4.37	224	2990	0	1
1126	18.4	4.23	236	3010	0	0.71
1131	18.83	4.18	235	3030	0	0.56
1136	19.16	4.2	234	3030	0	0.53
1141	19.52	4.16	233	3030	0	0.4
1144	19.8	4.19	229	3020	0	0.45
1147	19.89	4.19	229	3020	0	0.44
1150	20.13	4.21	224	3010	0	0.41
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CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228

Cl, F, SO4, TDS

Comments/Conditions:

Cross Generating Station Background Groundwater Monitoring Wells

Well ID	TOC	GW	Screen	Sample	Sample
	Elevation	Depth	Intervals	Date	Time
	(feet)	(feet)	(ft, bgs)		
CBW-1	85.80	10.21	14-24	1/24/2022	954

Drawdown: 10.25 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity
	round 1	round 1	ORP	round 1	
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)
917	19.79	4.52	207	222	16.3
922	18.92	4.44	228	213	2.7
927	18.13	4.29	233	216	2.9
932	17.63	4.27	243	215	3.9
937	17.09	4.31	236	220	4.4
942	17.88	4.29	240	222	23.8
945	18.08	4.24	245	222	25.1
948	18.44	4.26	246	223	22.2
951	18.55	4.26	248	222	21
954	18.63	4.26	249	222	21.4
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CCR/Class 3 Landfill: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Sb, Se, Tl, Zn, dissolved As

Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Cross Generating Station CCR Groundwater Monitoring Wells

Well ID	TOC	GW	Screen	Sample	Sample	Total
	Elevation	Depth	Intervals	Date	Time	Well
	(feet)	(feet)	(ft, bgs)			Depth
PM-1	83.24	8.32	4-24	1/24/2021	1140	26.68

Drawdown: 8.72 depth to GW (ft)

Time	Temp	pН	Eh	Spec Cond	Turbidity	Dissolved
	round 1	round 1	ORP	round 1		Oxygen
	(celcius)	(units)	(mV)	(uS/cm)	(NTU)	(ppm)
1051	18.23	5.27	27	162	48.1	1.68
1056	18.82	5.09	11	149	20.9	0.67
1101	18.81	5.06	16	148	20.7	0.69
1106	19.07	5.11	29	148	17	0.71
1111	19.28	5.18	39	145	22.9	0.67
1116	19.16	5.18	45	147	18.2	0.64
1119	19.41	5.21	39	149	20.7	0.63
1122	19.52	5.24	35	146	17.2	0.61
1125	19.4	5.22	42	146	18	0.6
1128	19.55	5.21	41	147	20.9	0.56
1131	19.61	5.23	40	145	12.6	0.54
1134	19.55	5.25	40	146	16	0.54
1137	19.6	5.25	41	147	14.8	0.52
1140	19.48	5.19	45	146	13.8	0.53

NPDES/CCR/Class~2~Landfill:~Al,~As,~Ba,~Be,~B,~Ca,~Cd,~Co,~Cr,~Fe,~Hg,~K,~Li,~Mg,~Mo,~Na,~Pb,~Sb,~Se,~Tl,~Zn

dissolved As Ra 226/228 Nitrate, TOC Cl, F, SO4, TDS

CCR Only: As, Ba, Be, B, Ca, Cd, Co, Cr, Fe, Hg, Li, Mo, Pb, Se, Tl, Zn, dissolved As

Ra 226/228 Cl, F, SO4, TDS

Comments/Conditions:

Appendix C – Well Installation Record

PROMOTE PROTECT PROSPER		2600 Bu	II Street, Columbia, SC 29201-1708; (803) 898-4300
1. WELL OWNER INFORMATION:			7. PERMIT NUMBER:
Name: SANTEE COOPER	0.0 سرون	-10	
(last) Address: ONE RIVERWOOD DRIV	(firs	st)	8. USE:
ONE RIVERWOOD DRIV	/E		□ Residential □ Public Supply □ Process
City: MONCKS CORNER State: S	SC Zip: 29	9461	☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement
	Home:		9. WELL DEPTH (completed) Date Started: 09/16/22
2. LOCATION OF WELL: SC	(470,070,070,070,070,070,070,070,070,070,	KELEY	
Name: CROSS GENERATING S			10. CASING: ☑ Threaded ☑ Welded Diam.: 2 INCH Height: Above☐Below ☐
Street Address: 553 CROSS ST)	Diam.: ∠ INCH Height: Above Below Type: ☑ PVC ☐ Galvanized Surface 2.5 ft.
City: PINEVILLE	^{Zip:} 29468		☐ Steel ☐ Other Weight lb./ft.
Latitude: 33° 23' 10,94" Longitu	de: 80° 06′ 56	5.66"	in. toft. depth Drive Shoe? □ Yes □ No in. toft. depth
3. PUBLIC SYSTEM NAME:	PUBLIC SYSTE	M NUMBER:	11. SCREEN:
CGYP-7			Type: SCH 40 PVC Diam.: 2 INCH
4. ABANDONMENT: Yes	☑ No		Slot/Gauge:
			Set Between: ft. and ft. NOTE: MULTIPLE SCREENS ft. USE SECOND SHEET
Grouted Depth: from	_ ft. to	ft.	Sieve Analysis ☐ Yes (please enclose) ☑ No
E 6 5 12	*Thickness	constant and	12. STATIC WATER LEVEL 10.0 ft. below land surface after 24 hours
Formation Description	of Stratum	Bottom of Stratum	13. PUMPING LEVEL Below Land Surface.
TOPSOIL	1.0	1.0	ft. after hrs. Pumping G.P.M.
1013012	1.0	1.0	Pumping Test: ☐ Yes (please enclose) ☐ No
TAN SILTY CLAY	9.0	10.0	Yield:
BROWN SILTY SAND	10.0	20.0	Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
	10.0	20.0	Please enclose lab results.
			15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
			Installed from 8.0 ft. to 20.0 ft. Effective size 1.43 Uniformity Coefficient 1.30
			16. WELL GROUTED? ☑ Yes ☐ No
			☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other
			Depth: From <u>0.0</u> ft. to <u>6.0</u> ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
			Type Well Disinfected ☐ Yes ☐ No Type: Amount:
			18. PUMP: Date installed: Not installed □ Mfr. Name: Model No.:
			H.P Volts Length of drop pipe ft. Capacity gpm
			TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine
			☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
			19. WELL DRILLER: CARL CARPENTER CERT. NO.: 02317
		,	Address: (Print) Level: A B C D (circle one)
			176 COMMERCE BLVD STATESVILLE, NC 28625
*Indicate Water Bearing Zones			Telephone No.; 704-872-7686 Fax No.: 704-872-0248
			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
(Use a 2nd sheet if needed) 5. REMARKS:		2	my direction and this report is true to the best of my knowledge and belief.
BENTONITE SEAL 6.0 - 8.0 FEET			Lally 100/22/22
			Signed: Date:
e Type. E Market		Davad	Manager of Charlest Day.
6. TYPE: ☐ Mud Rotary ☐ Jett ☐ Dug ☐ Air I		Bored Driven	If D Level Driller, provide supervising driller's name:
	er AUGER	ever-eliablished	
14			



2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER	
1. WELL OWNER INFORMATION:	7. PERMITNUMBER: SC0037401
Name: Santee Cooper	200027.1101
(last) (first)	8. USE:
Address: 1 Riverwood Dr	☐ Residential ☐ Public Supply ☐ Process
Cituals 1 C Charles CC 7in.	☐ Irrigation ☐ Air Conditioning ☐ Emergency
City: Moncks Corner State: SC Zip:	☐ Test Well ☐ Monitor Well ☐ Replacement
Telephone: Work: Home:	9. WELL DEPTH (completed) Date Started: 11/28/22
2. LOCATION OF WELL: COUNTY: Berkeley	20' ft. Date Completed: $11/29/22$
Name: Cross Generating Station	10. CASING: ☑ Threaded ☐ Welded
Street Address: Cross Sta Rd	Diam.: 2" Height: Above/Below
	Type: ☑ PVC ☐ Galvanized Surface ft.
City: Pineville Zip:	Steel Other Weight lb /ft
Latitude: Longitude:	$2''$ in. to $10'$ ft. depth Drive Shoe? \square Yes \square No
Latitude. Longitude.	in. to ft. depth
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:	11. SCREEN:
03366	Type: PVC Diam.: 2" Slot/Gauge: 0.010" Length: 10' Set Between: 10' ft. and 20' ft. NOTE: MULTIPLE SCREENS
4. ABANDONMENT: ☐ Yes ☑ No	Slot/Gauge: U.UIU Length: 10
Give Details Below	
Grouted Depth: from ft. to ft.	ft. and ft. USE SECOND SHEET
*Thickness Depth to	Sieve Analysis ☐ Yes (please enclose) ☑ No
Formation Description of Bottom of	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Stratum Stratum	13. PUMPING LEVEL Below Land Surface.
and Contact I and	ft. after hrs. Pumping G.P.M.
see Geologist Logs	Pumping Test: ☐ Yes (please enclose) ☑ No
	Yield:
	14. WATER QUALITY
	Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
	Please enclose lab results.
	15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
	Installed from $8'$ ft. to $20'$ ft.
	Effective size #2 Uniformity Coefficient
	16. WELL GROUTED? ☑ Yes ☐ No
	□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
	Depth: From <u>0'</u> ft. to <u>8'</u> ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft direction
	Type
	Well Disinfected ☐ Yes ☐ No Type: Amount:
	18. PUMP: Date installed: Not installed ☑
	Mfr. Name: Model No.:
	H.P Volts Length of drop pipe ft. Capacity gpm
	TYPE: Submersible Jet (shallow) Turbine
	☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
	19. WELL DRILLER: William Walker CERT. No.: 2042
	Address: (Print) Level: A B C D (circle one)
	PO Box 8446
*Indicate Water Bearing Zones	Columbia, SC, 29202 Telephone No.: 803-331-7950 Fax No.:
(Use a 2nd sheet if needed)	20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under
	my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	
CGS PZ-1	
	Signed: Date: 12/29/22
	Well Driller
6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored	If D Level Driller, provide cupenising driller's name:
□ Dug □ Air Rotary □ Driven	If D Level Driller, provide supervising driller's name:
☐ Cable tool ☐ Other	



2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELLOWNER INFORMATION:	7. PERMITNUMBER: SC0037401
Name: Santee Cooper	3C0037401
(last) (first)	8. USE:
Address: 1 Riverwood Dr	☐ Residential ☐ Public Supply ☐ Process
City: Moncks Corner State: SC Zip:	☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☐ Monitor Well ☐ Replacement
Telephone: Work: Home:	9. WELL DEPTH (completed) Date Started: 11/28/22
2. LOCATION OF WELL: COUNTY: Berkeley	20' ft. Date Completed: 11/29/22
Name: Cross Generating Station	10. CASING: ☐ Threaded ☐ Welded
Street Address: Cross Sta Rd	Diam.: 2" Height: Above/Below
City: Pineville Zip:	Type: ☑ PVC ☐ Galvanized Surfaceft.
Latitude: Longitude:	in. toft. depth Drive Shoe? Yes No
3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
03366	Slet/Course: 0.010" Length: 10'
4. ABANDONMENT: ☐ Yes ☑ No	Set Between: 10' ft and 20' ft NOTE: MULTIPLE SCREENS
Give Details Below	ft. and ft. USE SECOND SHEET
Grouted Depth: from ft. to ft.	Sieve Analysis ☐ Yes (please enclose) ☑ No
*Thickness Depth to	12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description of Bottom of Stratum	13. PUMPING LEVEL Below Land Surface.
	ft. after hrs. Pumping G.P.M.
see Geologist Logs	Pumping Test: ☐ Yes (please enclose) ☑ No
	Yield:
	14. WATER QUALITY
	Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
	Please enclose lab results.
	15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
	Installed from $8'$ ft. to $20'$ ft. Effective size $\#2$ Uniformity Coefficient
	16. WELL GROUTED? ☑ Yes ☐ No
	□ Neat Cement □ Bentonite □ Bentonite/Cement □ Other
	Depth: From <u>O'</u> ft. to <u>8'</u> ft.
	17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
	Type
	Well Disinfected ☐ Yes ☐ No Type: Amount:
	18. PUMP: Date installed: Not installed ☑
	Mfr. Name: Model No.:
	H.P Volts Length of drop pipe ft. Capacity gpm
	TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
	77.11. 77.11
	19. WELL DRILLER: William Walker CERT. NO.: 2042 Address: (Print) Level: A B C D (circle one)
	PO Box 8446
*Indicate Water Bearing Zones	Columbia, SC, 29202 Telephone No.: 8U3-331-7930 Fax No.:
(Use a 2nd sheet if needed)	 WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:	
CGS PZ-2	
CGB12-2	Signed: Date: 12/29/22
	Signed: Date: Date:
C TVPE: D Mid Peter.	STREET, CO. STREET, STREET, CO. STREET, CO
6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven	If D Level Driller, provide supervising driller's name:
☐ Cable tool ☐ Other	
THE PROPERTY OF THE THE PROPERTY OF THE PROPER	



2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:			7. PERMITNUMBER: GC0027401
Name: Santee Cooper			SC0037401
(last)	(firs	t)	8. USE:
Address: 1 Riverwood Dr			☐ Residential ☐ Public Supply ☐ Process
City: Moncks Corner State: SC	Zip:		☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement
	Home:		9. WELL DEPTH (completed) Date Started: 11/28/22
2. LOCATION OF WELL: CO	UNTY: Berke	eley	20' ft. Date Completed: $11/29/22$
Name: Cross Generating Station			10. CASING: ☑ Threaded ☐ Welded
Street Address: Cross Sta Rd			Diam.: 2" Height: Above/Below
City: Pineville	Zip:		Type: 🗹 PVC 🔲 Galvanized Surface ft.
Latitude: Longitude:			in. toft. depth Drive Shoe?
3. PUBLIC SYSTEM NAME: PU		N NUMBER:	11. SCREEN: 2"
03366)		11. SCREEN: Type: \underline{PVC} Diam.: $\underline{2''}$ Slot/Gauge: $\underline{0.010''}$ Length: $\underline{10'}$ ft. NOTE: MULTIPLE SCREENS
4. ABANDONMENT: ☐ Yes ☑	No		Set Between: 10' ft and 20' ft NOTE: MULTIPLE SCREENS
Give Details Below			tt. andft. USE SECOND SHEET
Grouted Depth: from ft	. to	ft.	Sieve Analysis ☐ Yes (please enclose) ☑ No
	*Thickness		12. STATIC WATER LEVEL ft. below land surface after 24 hours
Formation Description	of Stratum	Bottom of Stratum	13. PUMPING LEVEL Below Land Surface.
	Stratum	Stratum	ft. after hrs. Pumping G.P.M.
see Geologist Logs			Pumping Test: ☐ Yes (please enclose) ☑ No
		(*)	Yield:
			14. WATER QUALITY
			Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
			Please enclose lab results.
			15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
		0	Installed from $8'$ ft. to $20'$ ft. Effective size $\#2$ Uniformity Coefficient
			16. WELL GROUTED? ☑ Yes ☐ No
			□ Neat Cement □ Bentonite ☑ Bentonite/Cement □ Other
			Depth: From $\underline{0'}$ ft. to $\underline{8'}$ ft.
			17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ft. direction
			Type
			Well Disinfected ☐ Yes ☐ No Type: Amount:
		,	18. PUMP: Date installed: Not installed 🗸
			Mfr. Name: Model No.:
			H.P Volts Length of drop pipe ft. Capacity gpm
			TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal
		ey.	19. WELL DRILLER: William Walker CERT. NO.: 2042
			Address: (Print) Level: A B C D (circle one)
			PO Box 8446
*Indicate Water Bearing Zones			Columbia, SC, 29202 Telephone No.: 8U3-331-7936 Fax No.:
(Use a 2nd sheet if needed)			20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.
5. REMARKS:			and the same series are same series and the same series and the same series are same series are same series are same series are same series and the same series are sa
CGS PZ-3			
COD1 <i>E-3</i>			12/20/22
			Signed: Date: 12/29/22
o Type D.v.			
6. TYPE: Mud Rotary Jetted	_	Bored Driven	If D Level Driller, provide supervising driller's name:
☐ Dug ☐ Air Rota☐ Cable tool ☐ Other	ary ⊔l	Driven	
Li Cable tool Li Other			