



Illinois Power Generating Company
1500 Eastport Plaza Drive
Collinsville, IL 62234

August 16, 2024

Illinois Environmental Protection Agency
DWPC – Permits MC#15
Attn: Part 845 Coal Combustion Residual Rule Submittal
1021 North Grand Avenue East
Springfield, IL 62794

Re: Coffeen Power Plant Ash Pond No. 2; IEPA ID # W1350150004-02

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Generating Company is submitting groundwater monitoring data for the Quarter 2, 2024 sampling event at the Coffeen Power Plant Ash Pond No. 2 (AP2), identified by Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-02. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPSs.

The date of this submittal is considered to be the date that exceedances of the GWPSs were detected. This notification of exceedances of the GWPSs in 35 I.A.C. § 845.600 will be placed in the facility's operating record within 30 days as required by 35 I.A.C. § 845.800(d)(16).

A Corrective Measures Assessment (CMA) for AP2 was initiated on January 14, 2024, completed, and submitted to IEPA on June 12, 2024 in accordance with 35 I.A.C. § 845.660. The CMA was the first step towards developing a Corrective Action Plan which will ultimately select a remedy to address all releases from AP2. The selected remedy will meet the performance standards of 35 I.A.C. § 845.670(d) and the Corrective Action Plan will be submitted to the Agency on or before June 12, 2025. Once implemented and completed, the selected remedy will attain the GWPSs.

Sincerely,

A handwritten signature in blue ink that reads "Dianna Tickner".

Dianna Tickner, PE, PMP
Senior Director, Demolition and Decommission

Enclosures

Groundwater Monitoring Data and Detected Exceedances, Quarter 2, 2024, Ash Pond No. 2, Coffeen Power Plant, Coffeen, Illinois

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 2, 2024
ASH POND NO. 2, COFFEEN POWER PLANT, COFFEEN, ILLINOIS

August 16, 2024

Samples were collected between April 29, 2024 and May 8, 2024 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on June 17, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2, 2024 sampling event. Monitoring location G1003 has not had measurable amounts of water since construction in 2021 and will continue to be monitored for the presence of groundwater in accordance with the Groundwater Monitoring Plan¹. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 2, 2024 sampling event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ included in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 2, 2024 groundwater monitoring data were evaluated for statistical exceedances over background levels for the constituents listed in 35 I.A.C. § 845.600. **Attachment C** shows the statistically derived values compared to background levels.

In accordance with 35 I.A.C. § 845.610(b)(3)(C), the statistically derived values identified as Statistical Results in **Table 2** were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPS, as shown in **Table 2**. The date of this submittal is considered to be the date that the exceedances were detected.

As allowed in 35 I.A.C. § 845.650(e), Alternative Source Demonstrations² (ASDs) were submitted on December 15, 2023 for the exceedances of the cobalt GWPS detected at monitoring well G401, and the exceedance of the sulfate and total dissolved solids GWPSs detected at monitoring well G407 during the Quarter 2, 2024 sampling event. The Illinois Environmental Protection Agency (IEPA) provided written responses on January 11, 2024³ that did not concur with the ASDs. The non-concurrences were appealed, and on April 18, 2024, the Illinois Pollution Control Board granted the company's requests to stay the applicability of 35 I.A.C. §§ 845.650(d), 845.660, 845.670, and 845.680 as they apply to the exceedances of

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. Ash Pond No. 2. Coffeen Power Plant. Coffeen, Illinois. October 25, 2021.*

² Geosyntec Consultants, Inc. (Geosyntec), 2023. *Alternative Source Demonstration, Coffeen Power Plant Ash Pond No. 2 (Unit ID #102), IEPA ID: W1350150004-02, 35 I.A.C. § 845.650. December 15, 2023.*

Geosyntec, 2023. *Alternative Source Demonstration – G407 Sulfate and Total Dissolved Solids, Coffeen Power Plant Ash Pond No. 2 (Unit ID #102), IEPA ID: W1350150004-02, 35 I.A.C. § 845.650. December 15, 2023.*

³ Illinois Environmental Protection Agency (IEPA), 2023. Letter from Darin E. LeCrone, P.E. (IEPA) to Dianna Tickner (Electric Energy, Inc.): Re: Coffeen Power Plant Ash Pond No. 2; W1350150004-02, Alternative Source Demonstration (ASD) Submittal. January 11, 2024.

the cobalt GWPS at monitoring well G401, and the sulfate and total dissolved solids GWPSs at monitoring well G407.

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 2, 2024
Table 2	Comparison of Statistical Results to GWPS - Quarter 2, 2024

FIGURES

Figure 1	Monitoring Well Location Map

ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 2, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 2, 2024
Attachment C	Comparison of Statistical Results to Background - Quarter 2, 2024

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G270	Background	E005	05/08/2024	Antimony, total	0.0009 J	mg/L
G270	Background	E005	05/08/2024	Arsenic, total	0.001 UJ	mg/L
G270	Background	E005	05/08/2024	Barium, total	0.0388	mg/L
G270	Background	E005	05/08/2024	Beryllium, total	0.0002 U	mg/L
G270	Background	E005	05/08/2024	Boron, total	0.02 UJ	mg/L
G270	Background	E005	05/08/2024	Cadmium, total	0.0002 U	mg/L
G270	Background	E005	05/08/2024	Calcium, total	58.6	mg/L
G270	Background	E005	05/08/2024	Chloride, total	12.0	mg/L
G270	Background	E005	05/08/2024	Chromium, total	0.0015 UJ	mg/L
G270	Background	E005	05/08/2024	Cobalt, total	0.0001 J	mg/L
G270	Background	E005	05/08/2024	Dissolved Oxygen	1.83	mg/L
G270	Background	E005	05/08/2024	Fluoride, total	0.360	mg/L
G270	Background	E005	05/08/2024	Lead, total	0.0006 U	mg/L
G270	Background	E005	05/08/2024	Lithium, total	0.0022 J	mg/L
G270	Background	E005	05/08/2024	Mercury, total	0.00006 U	mg/L
G270	Background	E005	05/08/2024	Molybdenum, total	0.0015 UJ	mg/L
G270	Background	E005	05/08/2024	Oxidation Reduction Potential	55.0	mV
G270	Background	E005	05/08/2024	pH (field)	7.1	SU
G270	Background	E005	05/08/2024	Radium 226 + Radium 228, total	0.16	pCi/L
G270	Background	E005	05/08/2024	Selenium, total	0.001 UJ	mg/L
G270	Background	E005	05/08/2024	Specific Conductance @ 25C (field)	688	micromhos/cm
G270	Background	E005	05/08/2024	Sulfate, total	56.0	mg/L
G270	Background	E005	05/08/2024	Temperature	14.0	degrees C
G270	Background	E005	05/08/2024	Thallium, total	0.001 U	mg/L
G270	Background	E005	05/08/2024	Total Dissolved Solids	456	mg/L
G270	Background	E005	05/08/2024	Turbidity, field	1.30	NTU
G280	Background	E005	05/06/2024	Antimony, total	0.0006 J	mg/L
G280	Background	E005	05/06/2024	Arsenic, total	0.0006 J	mg/L
G280	Background	E005	05/06/2024	Barium, total	0.0496	mg/L
G280	Background	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G280	Background	E005	05/06/2024	Boron, total	0.0092 U	mg/L
G280	Background	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G280	Background	E005	05/06/2024	Calcium, total	80.6	mg/L
G280	Background	E005	05/06/2024	Chloride, total	74.0	mg/L
G280	Background	E005	05/06/2024	Chromium, total	0.00240 J+	mg/L
G280	Background	E005	05/06/2024	Cobalt, total	0.0005 J	mg/L
G280	Background	E005	05/06/2024	Dissolved Oxygen	0.190	mg/L
G280	Background	E005	05/06/2024	Fluoride, total	0.300	mg/L
G280	Background	E005	05/06/2024	Lead, total	0.0007 J	mg/L
G280	Background	E005	05/06/2024	Lithium, total	0.00470	mg/L
G280	Background	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G280	Background	E005	05/06/2024	Molybdenum, total	0.001 J	mg/L
G280	Background	E005	05/06/2024	Oxidation Reduction Potential	71.0	mV
G280	Background	E005	05/06/2024	pH (field)	7.3	SU
G280	Background	E005	05/06/2024	Radium 226 + Radium 228, total	0.729	pCi/L
G280	Background	E005	05/06/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G280	Background	E005	05/06/2024	Specific Conductance @ 25C (field)	834	micromhos/cm
G280	Background	E005	05/06/2024	Sulfate, total	96.0	mg/L
G280	Background	E005	05/06/2024	Temperature	13.7	degrees C
G280	Background	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G280	Background	E005	05/06/2024	Total Dissolved Solids	512	mg/L
G280	Background	E005	05/06/2024	Turbidity, field	19.0	NTU
G281	Background	E005	05/03/2024	Antimony, total	0.0006 U	mg/L
G281	Background	E005	05/03/2024	Arsenic, total	0.0006 J	mg/L
G281	Background	E005	05/03/2024	Barium, total	0.0703	mg/L
G281	Background	E005	05/03/2024	Beryllium, total	0.0002 U	mg/L
G281	Background	E005	05/03/2024	Boron, total	0.0092 U	mg/L
G281	Background	E005	05/03/2024	Cadmium, total	0.0002 U	mg/L
G281	Background	E005	05/03/2024	Calcium, total	151	mg/L
G281	Background	E005	05/03/2024	Chloride, total	78.0	mg/L
G281	Background	E005	05/03/2024	Chromium, total	0.00170 J+	mg/L
G281	Background	E005	05/03/2024	Cobalt, total	0.0004 J	mg/L
G281	Background	E005	05/03/2024	Dissolved Oxygen	0.150	mg/L
G281	Background	E005	05/03/2024	Fluoride, total	0.290	mg/L
G281	Background	E005	05/03/2024	Lead, total	0.0006 U	mg/L
G281	Background	E005	05/03/2024	Lithium, total	0.00480	mg/L
G281	Background	E005	05/03/2024	Mercury, total	0.00006 UJ	mg/L
G281	Background	E005	05/03/2024	Molybdenum, total	0.0009 J	mg/L
G281	Background	E005	05/03/2024	Oxidation Reduction Potential	91.0	mV
G281	Background	E005	05/03/2024	pH (field)	7.0	SU
G281	Background	E005	05/03/2024	Radium 226 + Radium 228, total	0.151	pCi/L
G281	Background	E005	05/03/2024	Selenium, total	0.0006 U	mg/L
G281	Background	E005	05/03/2024	Specific Conductance @ 25C (field)	1,330	micromhos/cm
G281	Background	E005	05/03/2024	Sulfate, total	292	mg/L
G281	Background	E005	05/03/2024	Temperature	13.7	degrees C
G281	Background	E005	05/03/2024	Thallium, total	0.001 U	mg/L
G281	Background	E005	05/03/2024	Total Dissolved Solids	890	mg/L
G281	Background	E005	05/03/2024	Turbidity, field	63.0	NTU
G1001	Compliance	E005	05/07/2024	Antimony, total	0.0009 J	mg/L
G1001	Compliance	E005	05/07/2024	Arsenic, total	0.0007 J	mg/L
G1001	Compliance	E005	05/07/2024	Barium, total	0.0473	mg/L
G1001	Compliance	E005	05/07/2024	Beryllium, total	0.0002 U	mg/L
G1001	Compliance	E005	05/07/2024	Boron, total	0.823	mg/L
G1001	Compliance	E005	05/07/2024	Cadmium, total	0.0002 U	mg/L
G1001	Compliance	E005	05/07/2024	Calcium, total	130	mg/L
G1001	Compliance	E005	05/07/2024	Chloride, total	10.0	mg/L
G1001	Compliance	E005	05/07/2024	Chromium, total	0.00240 J+	mg/L
G1001	Compliance	E005	05/07/2024	Cobalt, total	0.0002 J	mg/L
G1001	Compliance	E005	05/07/2024	Dissolved Oxygen	2.79	mg/L
G1001	Compliance	E005	05/07/2024	Fluoride, total	0.290	mg/L
G1001	Compliance	E005	05/07/2024	Lead, total	0.0006 U	mg/L
G1001	Compliance	E005	05/07/2024	Lithium, total	0.00780	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G1001	Compliance	E005	05/07/2024	Mercury, total	0.00006 U	mg/L
G1001	Compliance	E005	05/07/2024	Molybdenum, total	0.00690	mg/L
G1001	Compliance	E005	05/07/2024	Oxidation Reduction Potential	3.00	mV
G1001	Compliance	E005	05/07/2024	pH (field)	6.8	SU
G1001	Compliance	E005	05/07/2024	Radium 226 + Radium 228, total	0.47	pCi/L
G1001	Compliance	E005	05/07/2024	Selenium, total	0.0006 U	mg/L
G1001	Compliance	E005	05/07/2024	Specific Conductance @ 25C (field)	1,050	micromhos/cm
G1001	Compliance	E005	05/07/2024	Sulfate, total	150	mg/L
G1001	Compliance	E005	05/07/2024	Temperature	17.7	degrees C
G1001	Compliance	E005	05/07/2024	Thallium, total	0.001 U	mg/L
G1001	Compliance	E005	05/07/2024	Total Dissolved Solids	774	mg/L
G1001	Compliance	E005	05/07/2024	Turbidity, field	2.90	NTU
G401	Compliance	E005	05/02/2024	Antimony, total	0.0006 U	mg/L
G401	Compliance	E005	05/02/2024	Arsenic, total	0.0004 U	mg/L
G401	Compliance	E005	05/02/2024	Barium, total	0.0134	mg/L
G401	Compliance	E005	05/02/2024	Beryllium, total	0.0002 U	mg/L
G401	Compliance	E005	05/02/2024	Boron, total	1.56	mg/L
G401	Compliance	E005	05/02/2024	Cadmium, total	0.0002 J	mg/L
G401	Compliance	E005	05/02/2024	Calcium, total	244	mg/L
G401	Compliance	E005	05/02/2024	Chloride, total	6.00	mg/L
G401	Compliance	E005	05/02/2024	Chromium, total	0.0015 UJ	mg/L
G401	Compliance	E005	05/02/2024	Cobalt, total	0.0469	mg/L
G401	Compliance	E005	05/02/2024	Dissolved Oxygen	1.11	mg/L
G401	Compliance	E005	05/02/2024	Fluoride, total	0.220	mg/L
G401	Compliance	E005	05/02/2024	Lead, total	0.0006 U	mg/L
G401	Compliance	E005	05/02/2024	Lithium, total	0.0172	mg/L
G401	Compliance	E005	05/02/2024	Mercury, total	0.00006 U	mg/L
G401	Compliance	E005	05/02/2024	Molybdenum, total	0.0006 U	mg/L
G401	Compliance	E005	05/02/2024	Oxidation Reduction Potential	72.0	mV
G401	Compliance	E005	05/02/2024	pH (field)	5.9	SU
G401	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	0.317	pCi/L
G401	Compliance	E005	05/02/2024	Selenium, total	0.0006 U	mg/L
G401	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,400	micromhos/cm
G401	Compliance	E005	05/02/2024	Sulfate, total	877	mg/L
G401	Compliance	E005	05/02/2024	Temperature	17.8	degrees C
G401	Compliance	E005	05/02/2024	Thallium, total	0.001 U	mg/L
G401	Compliance	E005	05/02/2024	Total Dissolved Solids	1,270	mg/L
G401	Compliance	E005	05/02/2024	Turbidity, field	4.20	NTU
G402	Compliance	E005	05/06/2024	Antimony, total	0.0006 U	mg/L
G402	Compliance	E005	05/06/2024	Arsenic, total	0.00180	mg/L
G402	Compliance	E005	05/06/2024	Barium, total	0.0193	mg/L
G402	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G402	Compliance	E005	05/06/2024	Boron, total	5.20	mg/L
G402	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G402	Compliance	E005	05/06/2024	Calcium, total	208	mg/L
G402	Compliance	E005	05/06/2024	Chloride, total	3 J	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G402	Compliance	E005	05/06/2024	Chromium, total	0.00220 J+	mg/L
G402	Compliance	E005	05/06/2024	Cobalt, total	0.00110	mg/L
G402	Compliance	E005	05/06/2024	Dissolved Oxygen	7.65	mg/L
G402	Compliance	E005	05/06/2024	Fluoride, total	0.310	mg/L
G402	Compliance	E005	05/06/2024	Lead, total	0.0007 J	mg/L
G402	Compliance	E005	05/06/2024	Lithium, total	0.0224	mg/L
G402	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G402	Compliance	E005	05/06/2024	Molybdenum, total	0.00220	mg/L
G402	Compliance	E005	05/06/2024	Oxidation Reduction Potential	111	mV
G402	Compliance	E005	05/06/2024	pH (field)	7.0	SU
G402	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.42	pCi/L
G402	Compliance	E005	05/06/2024	Selenium, total	0.0006 U	mg/L
G402	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	1,670	micromhos/cm
G402	Compliance	E005	05/06/2024	Sulfate, total	594	mg/L
G402	Compliance	E005	05/06/2024	Temperature	14.0	degrees C
G402	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G402	Compliance	E005	05/06/2024	Total Dissolved Solids	1,370	mg/L
G402	Compliance	E005	05/06/2024	Turbidity, field	38.0	NTU
G403	Compliance	E005	05/06/2024	Antimony, total	0.0006 U	mg/L
G403	Compliance	E005	05/06/2024	Arsenic, total	0.0004 U	mg/L
G403	Compliance	E005	05/06/2024	Barium, total	0.107	mg/L
G403	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G403	Compliance	E005	05/06/2024	Boron, total	0.0092 U	mg/L
G403	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G403	Compliance	E005	05/06/2024	Calcium, total	83.2	mg/L
G403	Compliance	E005	05/06/2024	Chloride, total	7.00	mg/L
G403	Compliance	E005	05/06/2024	Chromium, total	0.0015 UJ	mg/L
G403	Compliance	E005	05/06/2024	Cobalt, total	0.0001 J	mg/L
G403	Compliance	E005	05/06/2024	Dissolved Oxygen	0.300	mg/L
G403	Compliance	E005	05/06/2024	Fluoride, total	0.300	mg/L
G403	Compliance	E005	05/06/2024	Lead, total	0.0006 U	mg/L
G403	Compliance	E005	05/06/2024	Lithium, total	0.00300	mg/L
G403	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G403	Compliance	E005	05/06/2024	Molybdenum, total	0.0008 U	mg/L
G403	Compliance	E005	05/06/2024	Oxidation Reduction Potential	70.0	mV
G403	Compliance	E005	05/06/2024	pH (field)	6.8	SU
G403	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.562	pCi/L
G403	Compliance	E005	05/06/2024	Selenium, total	0.0006 U	mg/L
G403	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	717	micromhos/cm
G403	Compliance	E005	05/06/2024	Sulfate, total	87.0	mg/L
G403	Compliance	E005	05/06/2024	Temperature	14.5	degrees C
G403	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G403	Compliance	E005	05/06/2024	Total Dissolved Solids	458	mg/L
G403	Compliance	E005	05/06/2024	Turbidity, field	6.20	NTU
G404	Compliance	E005	05/06/2024	Antimony, total	0.0006 U	mg/L
G404	Compliance	E005	05/06/2024	Arsenic, total	0.0004 U	mg/L

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845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G404	Compliance	E005	05/06/2024	Barium, total	0.0340	mg/L
G404	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G404	Compliance	E005	05/06/2024	Boron, total	4.62	mg/L
G404	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G404	Compliance	E005	05/06/2024	Calcium, total	131	mg/L
G404	Compliance	E005	05/06/2024	Chloride, total	63.0	mg/L
G404	Compliance	E005	05/06/2024	Chromium, total	0.0015 UJ	mg/L
G404	Compliance	E005	05/06/2024	Cobalt, total	0.0002 J	mg/L
G404	Compliance	E005	05/06/2024	Dissolved Oxygen	1.09	mg/L
G404	Compliance	E005	05/06/2024	Fluoride, total	0.180	mg/L
G404	Compliance	E005	05/06/2024	Lead, total	0.0006 U	mg/L
G404	Compliance	E005	05/06/2024	Lithium, total	0.00450	mg/L
G404	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G404	Compliance	E005	05/06/2024	Molybdenum, total	0.0009 J	mg/L
G404	Compliance	E005	05/06/2024	Oxidation Reduction Potential	89.0	mV
G404	Compliance	E005	05/06/2024	pH (field)	6.8	SU
G404	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.405	pCi/L
G404	Compliance	E005	05/06/2024	Selenium, total	0.0006 U	mg/L
G404	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	1,150	micromhos/cm
G404	Compliance	E005	05/06/2024	Sulfate, total	332	mg/L
G404	Compliance	E005	05/06/2024	Temperature	13.9	degrees C
G404	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G404	Compliance	E005	05/06/2024	Total Dissolved Solids	826	mg/L
G404	Compliance	E005	05/06/2024	Turbidity, field	3.00	NTU
G405	Compliance	E005	05/06/2024	Antimony, total	0.0006 U	mg/L
G405	Compliance	E005	05/06/2024	Arsenic, total	0.0006 J	mg/L
G405	Compliance	E005	05/06/2024	Barium, total	0.0116	mg/L
G405	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G405	Compliance	E005	05/06/2024	Boron, total	9.23	mg/L
G405	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G405	Compliance	E005	05/06/2024	Calcium, total	251	mg/L
G405	Compliance	E005	05/06/2024	Chloride, total	17.0	mg/L
G405	Compliance	E005	05/06/2024	Chromium, total	0.0015 UJ	mg/L
G405	Compliance	E005	05/06/2024	Cobalt, total	0.0008 J	mg/L
G405	Compliance	E005	05/06/2024	Dissolved Oxygen	0.710	mg/L
G405	Compliance	E005	05/06/2024	Fluoride, total	0.430	mg/L
G405	Compliance	E005	05/06/2024	Lead, total	0.0006 U	mg/L
G405	Compliance	E005	05/06/2024	Lithium, total	0.0026 J	mg/L
G405	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G405	Compliance	E005	05/06/2024	Molybdenum, total	0.0008 U	mg/L
G405	Compliance	E005	05/06/2024	Oxidation Reduction Potential	59.0	mV
G405	Compliance	E005	05/06/2024	pH (field)	7.0	SU
G405	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.404	pCi/L
G405	Compliance	E005	05/06/2024	Selenium, total	0.0006 U	mg/L
G405	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	1,820	micromhos/cm
G405	Compliance	E005	05/06/2024	Sulfate, total	886	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G405	Compliance	E005	05/06/2024	Temperature	14.0	degrees C
G405	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G405	Compliance	E005	05/06/2024	Total Dissolved Solids	1,460	mg/L
G405	Compliance	E005	05/06/2024	Turbidity, field	8.10	NTU
G406	Compliance	E005	05/06/2024	Antimony, total	0.0006 U	mg/L
G406	Compliance	E005	05/06/2024	Arsenic, total	0.0004 U	mg/L
G406	Compliance	E005	05/06/2024	Barium, total	0.0128	mg/L
G406	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G406	Compliance	E005	05/06/2024	Boron, total	1.36	mg/L
G406	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G406	Compliance	E005	05/06/2024	Calcium, total	192	mg/L
G406	Compliance	E005	05/06/2024	Chloride, total	4.00	mg/L
G406	Compliance	E005	05/06/2024	Chromium, total	0.0015 UJ	mg/L
G406	Compliance	E005	05/06/2024	Cobalt, total	0.0005 J	mg/L
G406	Compliance	E005	05/06/2024	Dissolved Oxygen	0.360	mg/L
G406	Compliance	E005	05/06/2024	Fluoride, total	0.340	mg/L
G406	Compliance	E005	05/06/2024	Lead, total	0.0006 U	mg/L
G406	Compliance	E005	05/06/2024	Lithium, total	0.00940	mg/L
G406	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G406	Compliance	E005	05/06/2024	Molybdenum, total	0.0008 U	mg/L
G406	Compliance	E005	05/06/2024	Oxidation Reduction Potential	100	mV
G406	Compliance	E005	05/06/2024	pH (field)	6.7	SU
G406	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.192	pCi/L
G406	Compliance	E005	05/06/2024	Selenium, total	0.0006 U	mg/L
G406	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	1,370	micromhos/cm
G406	Compliance	E005	05/06/2024	Sulfate, total	474	mg/L
G406	Compliance	E005	05/06/2024	Temperature	14.9	degrees C
G406	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G406	Compliance	E005	05/06/2024	Total Dissolved Solids	1,030	mg/L
G406	Compliance	E005	05/06/2024	Turbidity, field	1.40	NTU
G407	Compliance	E005	04/29/2024	Antimony, total	0.0004 U	mg/L
G407	Compliance	E005	04/29/2024	Arsenic, total	0.0006 J	mg/L
G407	Compliance	E005	04/29/2024	Barium, total	0.0115	mg/L
G407	Compliance	E005	04/29/2024	Beryllium, total	0.0002 U	mg/L
G407	Compliance	E005	04/29/2024	Boron, total	0.0601	mg/L
G407	Compliance	E005	04/29/2024	Cadmium, total	0.0002 U	mg/L
G407	Compliance	E005	04/29/2024	Calcium, total	246	mg/L
G407	Compliance	E005	04/29/2024	Chloride, total	11.0	mg/L
G407	Compliance	E005	04/29/2024	Chromium, total	0.0015 UJ	mg/L
G407	Compliance	E005	04/29/2024	Cobalt, total	0.0005 J	mg/L
G407	Compliance	E005	04/29/2024	Dissolved Oxygen	1.48	mg/L
G407	Compliance	E005	04/29/2024	Fluoride, total	0.310	mg/L
G407	Compliance	E005	04/29/2024	Lead, total	0.0006 U	mg/L
G407	Compliance	E005	04/29/2024	Lithium, total	0.0421	mg/L
G407	Compliance	E005	04/29/2024	Mercury, total	0.00006 U	mg/L
G407	Compliance	E005	04/29/2024	Molybdenum, total	0.00210	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G407	Compliance	E005	04/29/2024	Oxidation Reduction Potential	97.0	mV
G407	Compliance	E005	04/29/2024	pH (field)	6.7	SU
G407	Compliance	E005	04/29/2024	Radium 226 + Radium 228, total	0.42	pCi/L
G407	Compliance	E005	04/29/2024	Selenium, total	0.0006 U	mg/L
G407	Compliance	E005	04/29/2024	Specific Conductance @ 25C (field)	2,210	micromhos/cm
G407	Compliance	E005	04/29/2024	Sulfate, total	966	mg/L
G407	Compliance	E005	04/29/2024	Temperature	14.8	degrees C
G407	Compliance	E005	04/29/2024	Thallium, total	0.001 U	mg/L
G407	Compliance	E005	04/29/2024	Total Dissolved Solids	1,910	mg/L
G407	Compliance	E005	04/29/2024	Turbidity, field	71.0	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity, but the result may be biased high.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G1001	LCU	E005	Antimony, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance
G1001	LCU	E005	Arsenic, total	mg/L	02/15/23 - 05/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.010	Standard	No Exceedance
G1001	LCU	E005	Barium, total	mg/L	02/15/23 - 05/07/24	5	0	CI around mean	-0.00928	2.0	Standard	No Exceedance
G1001	LCU	E005	Beryllium, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.001	0.004	Standard	No Exceedance
G1001	LCU	E005	Boron, total	mg/L	05/12/21 - 05/07/24	6	0	CI around mean	0.669	2	Standard	No Exceedance
G1001	LCU	E005	Cadmium, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G1001	LCU	E005	Chloride, total	mg/L	05/12/21 - 05/07/24	6	0	CI around mean	7.65	200	Standard	No Exceedance
G1001	LCU	E005	Chromium, total	mg/L	02/15/23 - 05/07/24	5	40	CI around geomean	0.000462	0.1	Standard	No Exceedance
G1001	LCU	E005	Cobalt, total	mg/L	05/12/21 - 05/07/24	6	67	CI around median (Last Sample, n<7)	0.001	0.006	Standard	No Exceedance
G1001	LCU	E005	Fluoride, total	mg/L	02/15/23 - 05/07/24	5	40	CI around mean	0.222	4.0	Standard	No Exceedance
G1001	LCU	E005	Lead, total	mg/L	02/15/23 - 05/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.0120	Background	No Exceedance
G1001	LCU	E005	Lithium, total	mg/L	05/12/21 - 05/07/24	6	17	CI around mean	0.00186	0.04	Standard	No Exceedance
G1001	LCU	E005	Mercury, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G1001	LCU	E005	Molybdenum, total	mg/L	02/15/23 - 05/07/24	5	0	CI around mean	0.0024	0.1	Standard	No Exceedance
G1001	LCU	E005	pH (field)	SU	02/15/23 - 05/07/24	5	0	CI around mean	6.8/7.1	6.5/9.0	Standard/Standard	No Exceedance
G1001	LCU	E005	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 05/07/24	5	0	CI around geomean	0.219	5	Standard	No Exceedance
G1001	LCU	E005	Selenium, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.001	0.05	Standard	No Exceedance
G1001	LCU	E005	Sulfate, total	mg/L	05/12/21 - 05/07/24	6	0	CI around mean	34.3	400	Standard	No Exceedance
G1001	LCU	E005	Thallium, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G1001	LCU	E005	Total Dissolved Solids	mg/L	02/15/23 - 05/07/24	5	0	CI around mean	426	1,200	Standard	No Exceedance
G401	UA	E005	Antimony, total	mg/L	11/21/15 - 05/02/24	26	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G401	UA	E005	Arsenic, total	mg/L	11/21/15 - 05/02/24	29	52	CB around T-S line	-0.0152	0.010	Standard	No Exceedance
G401	UA	E005	Barium, total	mg/L	11/21/15 - 05/02/24	29	0	CB around T-S line	-0.166	2.0	Standard	No Exceedance
G401	UA	E005	Beryllium, total	mg/L	11/21/15 - 05/02/24	28	82	CI around median	0.001	0.004	Standard	No Exceedance
G401	UA	E005	Boron, total	mg/L	11/21/15 - 05/02/24	30	0	CI around median	3.5	2	Standard	Exceedance
G401	UA	E005	Cadmium, total	mg/L	11/21/15 - 05/02/24	29	69	CB around T-S line	-0.00171	0.005	Standard	No Exceedance
G401	UA	E005	Chloride, total	mg/L	11/21/15 - 05/02/24	30	10	CI around geomean	3	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G401	UA	E005	Chromium, total	mg/L	11/21/15 - 05/02/24	29	69	CB around T-S line	-0.034	0.1	Standard	No Exceedance
G401	UA	E005	Cobalt, total	mg/L	11/21/15 - 05/02/24	29	0	CB around linear reg	0.0574	0.006	Standard	Exceedance
G401	UA	E005	Fluoride, total	mg/L	11/21/15 - 05/02/24	30	83	CB around T-S line	0.222	4.0	Standard	No Exceedance
G401	UA	E005	Lead, total	mg/L	11/21/15 - 05/02/24	28	68	CB around T-S line	-0.0194	0.0120	Background	No Exceedance
G401	UA	E005	Lithium, total	mg/L	11/21/15 - 05/02/24	31	3	CB around T-S line	-0.00462	0.04	Standard	No Exceedance
G401	UA	E005	Mercury, total	mg/L	11/21/15 - 05/02/24	28	82	CI around median	0.0002	0.002	Standard	No Exceedance
G401	UA	E005	Molybdenum, total	mg/L	11/21/15 - 05/02/24	29	72	CI around median	0.001	0.1	Standard	No Exceedance
G401	UA	E005	pH (field)	SU	11/21/15 - 05/02/24	32	0	CI around mean	5.9/6.1	6.5/9.0	Standard/Standard	Exceedance
G401	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/02/24	29	0	CI around geomean	0.468	5	Standard	No Exceedance
G401	UA	E005	Selenium, total	mg/L	11/21/15 - 05/02/24	29	66	CB around T-S line	-0.00176	0.05	Standard	No Exceedance
G401	UA	E005	Sulfate, total	mg/L	11/21/15 - 05/02/24	30	0	CB around T-S line	1,300	400	Standard	Exceedance
G401	UA	E005	Thallium, total	mg/L	11/21/15 - 05/02/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G401	UA	E005	Total Dissolved Solids	mg/L	11/21/15 - 05/02/24	30	0	CI around median	2,800	1,200	Standard	Exceedance
G402	UA	E005	Antimony, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G402	UA	E005	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	-0.00488	0.010	Standard	No Exceedance
G402	UA	E005	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	-0.00122	2.0	Standard	No Exceedance
G402	UA	E005	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G402	UA	E005	Boron, total	mg/L	11/21/15 - 05/06/24	30	0	CB around T-S line	4.52	2	Standard	Exceedance
G402	UA	E005	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	97	Most recent sample	0.001	0.005	Standard	No Exceedance
G402	UA	E005	Chloride, total	mg/L	11/21/15 - 05/06/24	30	27	CI around mean	1.6	200	Standard	No Exceedance
G402	UA	E005	Chromium, total	mg/L	11/21/15 - 05/06/24	29	41	CB around T-S line	-0.00599	0.1	Standard	No Exceedance
G402	UA	E005	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	21	CB around linear reg	-0.00286	0.006	Standard	No Exceedance
G402	UA	E005	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	13	CI around median	0.295	4.0	Standard	No Exceedance
G402	UA	E005	Lead, total	mg/L	11/21/15 - 05/06/24	28	32	CB around linear reg	-0.00398	0.0120	Background	No Exceedance
G402	UA	E005	Lithium, total	mg/L	11/21/15 - 05/06/24	29	3	CB around linear reg	0.0115	0.04	Standard	No Exceedance
G402	UA	E005	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G402	UA	E005	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.00106	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G402	UA	E005	pH (field)	SU	11/21/15 - 05/06/24	30	0	CB around linear reg	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G402	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around median	0.547	5	Standard	No Exceedance
G402	UA	E005	Selenium, total	mg/L	11/21/15 - 05/06/24	29	79	CB around T-S line	0.000644	0.05	Standard	No Exceedance
G402	UA	E005	Sulfate, total	mg/L	11/21/15 - 05/06/24	30	0	CB around T-S line	360	400	Standard	No Exceedance
G402	UA	E005	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G402	UA	E005	Total Dissolved Solids	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	1,260	1,200	Standard	Exceedance
G403	UA	E005	Antimony, total	mg/L	11/23/15 - 05/06/24	26	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G403	UA	E005	Arsenic, total	mg/L	11/23/15 - 05/06/24	29	62	CB around T-S line	2.51e-05	0.010	Standard	No Exceedance
G403	UA	E005	Barium, total	mg/L	11/23/15 - 05/06/24	29	0	CB around T-S line	0.0755	2.0	Standard	No Exceedance
G403	UA	E005	Beryllium, total	mg/L	11/23/15 - 05/06/24	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G403	UA	E005	Boron, total	mg/L	11/23/15 - 05/06/24	30	20	CI around geomean	0.0154	2	Standard	No Exceedance
G403	UA	E005	Cadmium, total	mg/L	11/23/15 - 05/06/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G403	UA	E005	Chloride, total	mg/L	11/23/15 - 05/06/24	30	0	CB around linear reg	4.71	200	Standard	No Exceedance
G403	UA	E005	Chromium, total	mg/L	11/23/15 - 05/06/24	29	93	CB around T-S line	0.00245	0.1	Standard	No Exceedance
G403	UA	E005	Cobalt, total	mg/L	11/23/15 - 05/06/24	29	59	CI around median	0.002	0.006	Standard	No Exceedance
G403	UA	E005	Fluoride, total	mg/L	11/23/15 - 05/06/24	30	10	CB around T-S line	0.215	4.0	Standard	No Exceedance
G403	UA	E005	Lead, total	mg/L	11/23/15 - 05/06/24	28	89	CI around median	0.001	0.0120	Background	No Exceedance
G403	UA	E005	Lithium, total	mg/L	11/23/15 - 05/06/24	29	90	CI around median	0.01	0.04	Standard	No Exceedance
G403	UA	E005	Mercury, total	mg/L	11/23/15 - 05/06/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G403	UA	E005	Molybdenum, total	mg/L	11/23/15 - 05/06/24	29	76	CI around median	0.001	0.1	Standard	No Exceedance
G403	UA	E005	pH (field)	SU	11/23/15 - 05/06/24	30	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G403	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 05/06/24	29	0	CI around mean	0.607	5	Standard	No Exceedance
G403	UA	E005	Selenium, total	mg/L	11/23/15 - 05/06/24	29	97	CI around median	0.001	0.05	Standard	No Exceedance
G403	UA	E005	Sulfate, total	mg/L	11/23/15 - 05/06/24	30	0	CB around T-S line	61.7	400	Standard	No Exceedance
G403	UA	E005	Thallium, total	mg/L	11/23/15 - 05/06/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G403	UA	E005	Total Dissolved Solids	mg/L	11/23/15 - 05/06/24	30	0	CB around linear reg	398	1,200	Standard	No Exceedance
G404	UA	E005	Antimony, total	mg/L	11/21/15 - 05/06/24	26	96	CB around T-S line	0.00247	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G404	UA	E005	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	87	CI around median	0.001	0.010	Standard	No Exceedance
G404	UA	E005	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.0219	2.0	Standard	No Exceedance
G404	UA	E005	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G404	UA	E005	Boron, total	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	6.36	2	Standard	Exceedance
G404	UA	E005	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G404	UA	E005	Chloride, total	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	95.5	200	Standard	No Exceedance
G404	UA	E005	Chromium, total	mg/L	11/21/15 - 05/06/24	29	97	CB around T-S line	0.00335	0.1	Standard	No Exceedance
G404	UA	E005	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	93	CI around median	0.002	0.006	Standard	No Exceedance
G404	UA	E005	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	71	CB around T-S line	0.211	4.0	Standard	No Exceedance
G404	UA	E005	Lead, total	mg/L	11/21/15 - 05/06/24	28	97	CI around median	0.001	0.0120	Background	No Exceedance
G404	UA	E005	Lithium, total	mg/L	11/21/15 - 05/06/24	29	76	CI around median	0.01	0.04	Standard	No Exceedance
G404	UA	E005	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G404	UA	E005	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G404	UA	E005	pH (field)	SU	11/21/15 - 05/06/24	30	0	CB around linear reg	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G404	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around mean	0.592	5	Standard	No Exceedance
G404	UA	E005	Selenium, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G404	UA	E005	Sulfate, total	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	426	400	Standard	Exceedance
G404	UA	E005	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G404	UA	E005	Total Dissolved Solids	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	1,170	1,200	Standard	No Exceedance
G405	UA	E005	Antimony, total	mg/L	11/21/15 - 05/06/24	26	93	CB around T-S line	0.00233	0.006	Standard	No Exceedance
G405	UA	E005	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	33	CB around T-S line	-0.00194	0.010	Standard	No Exceedance
G405	UA	E005	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.00761	2.0	Standard	No Exceedance
G405	UA	E005	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G405	UA	E005	Boron, total	mg/L	11/21/15 - 05/06/24	30	0	CI around mean	9.38	2	Standard	Exceedance
G405	UA	E005	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	97	CI around median	0.001	0.005	Standard	No Exceedance
G405	UA	E005	Chloride, total	mg/L	11/21/15 - 05/06/24	30	0	CI around geomean	9.58	200	Standard	No Exceedance
G405	UA	E005	Chromium, total	mg/L	11/21/15 - 05/06/24	29	90	CB around T-S line	0.0033	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G405	UA	E005	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	67	CB around T-S line	0.000972	0.006	Standard	No Exceedance
G405	UA	E005	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	10	CB around linear reg	0.241	4.0	Standard	No Exceedance
G405	UA	E005	Lead, total	mg/L	11/21/15 - 05/06/24	28	52	CB around T-S line	-0.000825	0.0120	Background	No Exceedance
G405	UA	E005	Lithium, total	mg/L	11/21/15 - 05/06/24	29	90	CI around median	0.01	0.04	Standard	No Exceedance
G405	UA	E005	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G405	UA	E005	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	43	CI around median	0.001	0.1	Standard	No Exceedance
G405	UA	E005	pH (field)	SU	11/21/15 - 05/06/24	30	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G405	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around median	0.541	5	Standard	No Exceedance
G405	UA	E005	Selenium, total	mg/L	11/21/15 - 05/06/24	29	90	CI around median	0.001	0.05	Standard	No Exceedance
G405	UA	E005	Sulfate, total	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	474	400	Standard	Exceedance
G405	UA	E005	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G405	UA	E005	Total Dissolved Solids	mg/L	11/21/15 - 05/06/24	30	0	CI around mean	1,550	1,200	Standard	Exceedance
G406	UA	E005	Antimony, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G406	UA	E005	Arsenic, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.001	0.010	Standard	No Exceedance
G406	UA	E005	Barium, total	mg/L	10/14/20 - 05/06/24	15	0	CI around median	0.0124	2.0	Standard	No Exceedance
G406	UA	E005	Beryllium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G406	UA	E005	Boron, total	mg/L	10/14/20 - 05/06/24	15	0	CI around median	1.4	2	Standard	No Exceedance
G406	UA	E005	Cadmium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G406	UA	E005	Chloride, total	mg/L	10/14/20 - 05/06/24	15	13	CI around mean	3.06	200	Standard	No Exceedance
G406	UA	E005	Chromium, total	mg/L	10/14/20 - 05/06/24	15	93	CB around T-S line	0.00081	0.1	Standard	No Exceedance
G406	UA	E005	Cobalt, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G406	UA	E005	Fluoride, total	mg/L	10/14/20 - 05/06/24	15	13	CI around median	0.273	4.0	Standard	No Exceedance
G406	UA	E005	Lead, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.001	0.0120	Background	No Exceedance
G406	UA	E005	Lithium, total	mg/L	10/14/20 - 05/06/24	15	73	CB around T-S line	0.0107	0.04	Standard	No Exceedance
G406	UA	E005	Mercury, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G406	UA	E005	Molybdenum, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.001	0.1	Standard	No Exceedance
G406	UA	E005	pH (field)	SU	10/14/20 - 05/06/24	15	0	CI around mean	6.5/6.7	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G406	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 05/06/24	15	0	CI around mean	0.272	5	Standard	No Exceedance
G406	UA	E005	Selenium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G406	UA	E005	Sulfate, total	mg/L	10/14/20 - 05/06/24	15	0	CI around median	450	400	Standard	Exceedance
G406	UA	E005	Thallium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G406	UA	E005	Total Dissolved Solids	mg/L	10/14/20 - 05/06/24	15	0	CI around mean	1,010	1,200	Standard	No Exceedance
G407	UA	E005	Antimony, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G407	UA	E005	Arsenic, total	mg/L	10/14/20 - 04/29/24	15	87	CI around median	0.001	0.010	Standard	No Exceedance
G407	UA	E005	Barium, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	0.0118	2.0	Standard	No Exceedance
G407	UA	E005	Beryllium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G407	UA	E005	Boron, total	mg/L	10/14/20 - 04/29/24	15	0	CI around mean	0.0737	2	Standard	No Exceedance
G407	UA	E005	Cadmium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G407	UA	E005	Chloride, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	11	200	Standard	No Exceedance
G407	UA	E005	Chromium, total	mg/L	10/14/20 - 04/29/24	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
G407	UA	E005	Cobalt, total	mg/L	10/14/20 - 04/29/24	15	87	CI around median	0.001	0.006	Standard	No Exceedance
G407	UA	E005	Fluoride, total	mg/L	10/14/20 - 04/29/24	15	20	CI around geomean	0.268	4.0	Standard	No Exceedance
G407	UA	E005	Lead, total	mg/L	10/14/20 - 04/29/24	15	93	CI around median	0.001	0.0120	Background	No Exceedance
G407	UA	E005	Lithium, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	0.038	0.04	Standard	No Exceedance
G407	UA	E005	Mercury, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G407	UA	E005	Molybdenum, total	mg/L	10/14/20 - 04/29/24	15	20	CI around geomean	0.00107	0.1	Standard	No Exceedance
G407	UA	E005	pH (field)	SU	10/14/20 - 04/29/24	15	0	CI around mean	6.6/6.7	6.5/9.0	Standard/Standard	No Exceedance
G407	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 04/29/24	15	0	CI around mean	0.276	5	Standard	No Exceedance
G407	UA	E005	Selenium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G407	UA	E005	Sulfate, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	830	400	Standard	Exceedance
G407	UA	E005	Thallium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G407	UA	E005	Total Dissolved Solids	mg/L	10/14/20 - 04/29/24	15	0	CI around mean	1,910	1,200	Standard	Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Notes:

Compliance Result:

No Exceedance: the statistical result did not exceed the GWPS.

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

LCU = Lower Confining Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range

For pH, the values presented are the lower / upper limits

GWPS = Groundwater Protection Standard

GWPS Source:

Standard = standard specified in 35 I.A.C. § 845.600(a)(1)

Background = background concentration (see cover page for additional information)

FIGURES



- COMPLIANCE WELL
- BACKGROUND WELL
- MONITORING WELL
- STAFF GAGE
- REGULATED UNIT (SUBJECT UNIT)
- SITE FEATURE
- LIMITS OF FINAL COVER
- PROPERTY BOUNDARY

0 200 400 Feet

MONITORING WELL LOCATION MAP

FIGURE 1

ARONDA
 COFFEEN POWER PLANT
 COFFEEN, ILLINOIS

RAMBOLL AMERICAS
 ENGINEERING SOLUTIONS, INC.

RAMBOLL

ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 2, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G1001	Compliance	04/29/2024	3.75	594.03
G1003	Water Level	04/29/2024	Dry	
G270	Background	04/29/2024	1.95	623.48
G280	Background	04/29/2024	3.91	621.35
G281	Background	04/29/2024	4.12	622.31
G401	Compliance	05/02/2024	[20.94]	[604.63]
G402	Compliance	05/06/2024	[8.74]	[604.32]
G403	Compliance	04/29/2024	4.22	622.02
G404	Compliance	04/29/2024	2.64	613.03
G405	Compliance	04/29/2024	4.23	619.18
G406	Compliance	04/29/2024	9.40	615.65
G407	Compliance	04/29/2024	5.27	615.68
SG-02	Water Level	04/29/2024	6.68	599.36
SG-03	Water Level	04/29/2024	7.94	577.99

Notes:
BMP = below measuring point
Bracketing [] indicates that the measurement was obtained outside of the 24-hour period from initiation of depth to groundwater measurements.
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 2, 2024**

June 17, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q2

WorkOrder: 24041541

Dear Eric Bauer:

TEKLAB, INC received 17 samples for COF_845_102 on 5/8/2024 1:48:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

This reporting package includes the following:

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Accreditations	6
Laboratory Results	7
Sample Summary	36
Quality Control Results	37
Receiving Check List	216
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>**Client:** Ramboll**Work Order:** 24041541**Client Project:** COF-24Q2**Report Date:** 17-Jun-24

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
C - RL shown is a Client Requested Quantitation Limit	E - Value above quantitation range
H - Holding times exceeded	I - Associated internal standard was outside method criteria
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	T - TIC(Tentatively identified compound)
X - Value exceeds Maximum Contaminant Level	



Case Narrative

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Cooler Receipt Temp: 1.7 °C

An employee of Teklab, Inc. collected the sample(s).

Depth, only, collection dates/times per field files. G152, G206, G206D, G314, G314D, G316, G410, R205, Field Blank, and Equipment Blank 1 collection times per field files. Equipment Blanks 2 and 3 were not needed. EAH 5/9/24

Per Eric Bauer's request, only COF_845_102 data is included in this report. EAH 6/17/24

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

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Springfield

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Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
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Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-001
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24

Client Sample ID: AP2D

Collection Date: 05/08/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		20.50	ft	1	05/08/2024 9:52	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		38	NTU	1	05/08/2024 9:52	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-200	mV	1	05/08/2024 9:52	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1800	µS/cm	1	05/08/2024 9:52	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.5	°C	1	05/08/2024 9:52	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.12	mg/L	1	05/08/2024 9:52	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		8.01		1	05/08/2024 9:52	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		77	mg/L	1	05/14/2024 12:53	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 12:53	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		2420	mg/L	2.5	05/10/2024 9:47	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		1690	mg/L	50	05/09/2024 23:44	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.13	mg/L	1	05/13/2024 11:47	R347147
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	3	mg/L	1	05/10/2024 22:16	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		557	mg/L	1	05/10/2024 15:23	222728
Magnesium	NELAP	0.006	0.050		53.5	mg/L	1	05/10/2024 15:23	222728
Potassium	NELAP	0.800	2.00		57.5	mg/L	20	05/10/2024 18:10	222728
Sodium	NELAP	0.018	0.050		86.2	mg/L	1	05/10/2024 15:23	222728
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		< 1.0	µg/L	5	05/14/2024 0:13	222728
Arsenic	NELAP	0.4	1.0		287	µg/L	5	05/11/2024 1:17	222728
Barium	NELAP	0.7	1.0		31.4	µg/L	5	05/14/2024 0:13	222728
Beryllium	NELAP	0.2	1.0	J	0.7	µg/L	5	05/14/2024 0:13	222728
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/14/2024 0:13	222728
Cadmium	NELAP	0.2	1.0		1.2	µg/L	5	05/14/2024 11:05	222728
Chromium	NELAP	0.7	1.5		2.3	µg/L	5	05/14/2024 11:05	222728
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	05/14/2024 11:05	222728
Lead	NELAP	0.6	1.0		2.6	µg/L	5	05/14/2024 0:13	222728
Lithium	*	1.4	3.0		204	µg/L	5	05/14/2024 0:13	222728
Molybdenum	NELAP	2.4	6.0		1440	µg/L	20	05/16/2024 2:58	222728
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 11:05	222728
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/14/2024 0:13	222728



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-001
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: AP2D
Collection Date: 05/08/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/18/2024 14:27	222921



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-002

Client Sample ID: G1001

Matrix: GROUNDWATER

Collection Date: 05/07/2024 10:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.73	ft	1	05/07/2024 10:16	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.9	NTU	1	05/07/2024 10:16	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		3	mV	1	05/07/2024 10:16	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1050	µS/cm	1	05/07/2024 10:16	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.7	°C	1	05/07/2024 10:16	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.79	mg/L	1	05/07/2024 10:16	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.82		1	05/07/2024 10:16	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		518	mg/L	1	05/14/2024 12:58	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 12:58	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		774	mg/L	1	05/08/2024 12:07	R347018
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		150	mg/L	10	05/09/2024 23:53	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	05/13/2024 11:57	R347147
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		10	mg/L	1	05/09/2024 23:47	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	130	mg/L	1	05/10/2024 15:24	222728
Magnesium	NELAP	0.006	0.050	S	57.9	mg/L	1	05/10/2024 15:24	222728
Potassium	NELAP	0.040	0.100		1.81	mg/L	1	05/10/2024 15:24	222728
Sodium	NELAP	0.018	0.050	S	78.9	mg/L	1	05/10/2024 15:24	222728
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0	JS	0.9	µg/L	5	05/14/2024 0:19	222728
Arsenic	NELAP	0.4	1.0	J	0.7	µg/L	5	05/14/2024 0:19	222728
Barium	NELAP	0.7	1.0		47.3	µg/L	5	05/14/2024 0:19	222728
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 0:19	222728
Boron	NELAP	9.2	20.0		823	µg/L	5	05/14/2024 11:23	222728
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 0:19	222728
Chromium	NELAP	0.8	1.5		2.4	µg/L	5	05/14/2024 0:19	222728
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	05/14/2024 0:19	222728
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 0:19	222728
Lithium	*	1.4	3.0		7.8	µg/L	5	05/14/2024 0:19	222728
Molybdenum	NELAP	0.6	1.5		6.9	µg/L	5	05/16/2024 3:02	222728
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 0:19	222728
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/14/2024 0:19	222728

Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-002

Client Sample ID: G1001

Matrix: GROUNDWATER

Collection Date: 05/07/2024 10:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/18/2024 14:33	222921



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-003

Client Sample ID: G1003

Matrix: GROUNDWATER

Collection Date: 05/06/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.16	ft	1	05/06/2024 13:18	R347020



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-042

Client Sample ID: G270

Matrix: GROUNDWATER

Collection Date: 05/08/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		1.94	ft	1	05/08/2024 9:40	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.3	NTU	1	05/08/2024 9:40	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		55	mV	1	05/08/2024 9:40	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		688	µS/cm	1	05/08/2024 9:40	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.0	°C	1	05/08/2024 9:40	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.83	mg/L	1	05/08/2024 9:40	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.11		1	05/08/2024 9:40	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		338	mg/L	1	05/14/2024 13:19	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 13:19	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		456	mg/L	1	05/10/2024 9:23	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		56	mg/L	2	05/10/2024 0:54	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.36	mg/L	1	05/13/2024 13:50	R347147
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		12	mg/L	1	05/10/2024 0:43	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		58.6	mg/L	1	05/10/2024 15:29	222728
Magnesium	NELAP	0.006	0.050		23.9	mg/L	1	05/10/2024 15:29	222728
Potassium	NELAP	0.040	0.100		0.723	mg/L	1	05/10/2024 15:29	222728
Sodium	NELAP	0.018	0.050		76.2	mg/L	1	05/10/2024 15:29	222728
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.9	µg/L	5	05/16/2024 3:36	222728
Arsenic	NELAP	0.4	1.0	J	0.4	µg/L	5	05/13/2024 23:49	222728
Barium	NELAP	0.7	1.0		38.8	µg/L	5	05/13/2024 23:49	222728
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 23:49	222728
Boron	NELAP	9.2	20	J	9.9	µg/L	5	05/13/2024 23:49	222728
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 23:49	222728
Chromium	NELAP	0.8	1.5	J	0.9	µg/L	5	05/13/2024 23:49	222728
Cobalt	NELAP	0.1	1.0	J	0.1	µg/L	5	05/13/2024 23:49	222728
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/13/2024 23:49	222728
Lithium	*	1.4	3.0	J	2.2	µg/L	5	05/13/2024 23:49	222728
Molybdenum	NELAP	0.8	1.5	J	1.1	µg/L	5	05/13/2024 23:49	222728
Selenium	NELAP	0.6	1.0	J	0.8	µg/L	5	05/13/2024 23:49	222728
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/13/2024 23:49	222728



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-042

Client Sample ID: G270

Matrix: GROUNDWATER

Collection Date: 05/08/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/18/2024 14:51	222921



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-053

Client Sample ID: G280

Matrix: GROUNDWATER

Collection Date: 05/06/2024 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.86	ft	1	05/06/2024 14:07	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		19	NTU	1	05/06/2024 14:07	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		71	mV	1	05/06/2024 14:07	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		834	µS/cm	1	05/06/2024 14:07	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.7	°C	1	05/06/2024 14:07	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.19	mg/L	1	05/06/2024 14:07	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.31		1	05/06/2024 14:07	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		256	mg/L	1	05/14/2024 9:57	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 9:57	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		512	mg/L	1	05/10/2024 9:23	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		96	mg/L	5	05/10/2024 1:44	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.30	mg/L	1	05/14/2024 12:30	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		74	mg/L	5	05/10/2024 1:44	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	80.6	mg/L	1	05/08/2024 15:13	222639
Magnesium	NELAP	0.006	0.050	S	37.5	mg/L	1	05/08/2024 15:13	222639
Potassium	NELAP	0.040	0.100		0.938	mg/L	1	05/08/2024 15:13	222639
Sodium	NELAP	0.018	0.050	S	55.6	mg/L	1	05/08/2024 15:13	222639
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0	J	0.6	µg/L	5	05/15/2024 1:24	222639
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	05/13/2024 9:36	222639
Barium	NELAP	0.7	1.0		49.6	µg/L	5	05/10/2024 14:23	222639
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 9:36	222639
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/13/2024 9:36	222639
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 9:36	222639
Chromium	NELAP	0.7	1.5		2.4	µg/L	5	05/13/2024 9:36	222639
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	05/13/2024 9:36	222639
Lead	NELAP	0.6	1.0	J	0.7	µg/L	5	05/10/2024 14:23	222639
Lithium	*	1.4	3.0		4.7	µg/L	5	05/13/2024 9:36	222639
Molybdenum	NELAP	0.8	1.5	J	1.0	µg/L	5	05/13/2024 9:36	222639
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/13/2024 9:36	222639
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/10/2024 14:23	222639



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-053
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G280
Collection Date: 05/06/2024 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/20/2024 15:18	223153



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-054

Client Sample ID: G281

Matrix: GROUNDWATER

Collection Date: 05/03/2024 10:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.24	ft	1	05/03/2024 10:27	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		63	NTU	1	05/03/2024 10:27	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		91	mV	1	05/03/2024 10:27	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1330	µS/cm	1	05/03/2024 10:27	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.7	°C	1	05/03/2024 10:27	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.15	mg/L	1	05/03/2024 10:27	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.96		1	05/03/2024 10:27	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		368	mg/L	1	05/06/2024 15:17	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 15:17	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		890	mg/L	1	05/04/2024 8:17	R346758
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		292	mg/L	10	05/06/2024 19:46	R346843
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	05/14/2024 13:19	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		78	mg/L	2	05/06/2024 19:41	R346846
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		151	mg/L	1	05/06/2024 12:00	222461
Magnesium	NELAP	0.006	0.050		69.2	mg/L	1	05/06/2024 12:00	222461
Potassium	NELAP	0.040	0.100		0.683	mg/L	1	05/06/2024 12:00	222461
Sodium	NELAP	0.018	0.050		91.2	mg/L	1	05/07/2024 14:17	222461
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 9:25	222461
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	05/10/2024 9:25	222461
Barium	NELAP	0.7	1.0		70.3	µg/L	5	05/09/2024 15:38	222461
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/10/2024 9:25	222461
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/10/2024 9:25	222461
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 12:35	222461
Chromium	NELAP	0.7	1.5		1.7	µg/L	5	05/10/2024 9:25	222461
Cobalt	NELAP	0.1	1.0	J	0.4	µg/L	5	05/10/2024 9:25	222461
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/09/2024 15:38	222461
Lithium	*	1.4	3.0		4.8	µg/L	5	05/10/2024 9:25	222461
Molybdenum	NELAP	0.7	1.5	J	0.9	µg/L	5	05/16/2024 8:46	222461
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 9:25	222461
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/09/2024 15:38	222461



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-054

Client Sample ID: G281

Matrix: GROUNDWATER

Collection Date: 05/03/2024 10:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	H	< 0.20	µg/L	1	06/03/2024 13:29	223672
Sample required re-extraction out of hold time.									



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-073

Client Sample ID: G401

Matrix: GROUNDWATER

Collection Date: 05/02/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		20.94	ft	1	05/02/2024 14:06	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.2	NTU	1	05/02/2024 14:06	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		72	mV	1	05/02/2024 14:06	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1400	µS/cm	1	05/02/2024 14:06	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.8	°C	1	05/02/2024 14:06	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.11	mg/L	1	05/02/2024 14:06	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		5.89		1	05/02/2024 14:06	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		155	mg/L	1	05/06/2024 16:03	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 16:03	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1270	mg/L	2.5	05/04/2024 8:47	R346758
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		877	mg/L	50	05/06/2024 20:50	R346843
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	05/14/2024 14:00	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		6	mg/L	1	05/06/2024 20:45	R346846
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		244	mg/L	1	05/07/2024 18:15	222414
Magnesium	NELAP	0.006	0.050		74.5	mg/L	1	05/07/2024 18:15	222414
Potassium	NELAP	0.040	0.100		2.17	mg/L	1	05/07/2024 18:15	222414
Sodium	NELAP	0.025	0.050		79.8	mg/L	1	05/07/2024 18:15	222414
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 12:37	222414
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	05/10/2024 12:37	222414
Barium	NELAP	0.7	1.0		13.4	µg/L	5	05/09/2024 17:29	222414
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/10/2024 12:37	222414
Boron	NELAP	9.2	20.0		1560	µg/L	5	05/10/2024 12:37	222414
Cadmium	NELAP	0.2	1.0	J	0.2	µg/L	5	05/13/2024 16:59	222414
Chromium	NELAP	0.7	1.5	J	0.8	µg/L	5	05/10/2024 12:37	222414
Cobalt	NELAP	0.1	1.0		46.9	µg/L	5	05/13/2024 16:59	222414
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/09/2024 17:29	222414
Lithium	*	1.4	3.0		17.2	µg/L	5	05/10/2024 12:37	222414
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	05/15/2024 5:21	222414
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 12:37	222414
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/09/2024 17:29	222414



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-073
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G401
Collection Date: 05/02/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/21/2024 12:54	222504



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-074

Client Sample ID: G402

Matrix: GROUNDWATER

Collection Date: 05/06/2024 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.74	ft	1	05/06/2024 12:00	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		38	NTU	1	05/06/2024 12:00	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		111	mV	1	05/06/2024 12:00	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1670	µS/cm	1	05/06/2024 12:00	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.0	°C	1	05/06/2024 12:00	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		7.65	mg/L	1	05/06/2024 12:00	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.02		1	05/06/2024 12:00	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		495	mg/L	1	05/14/2024 10:57	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 10:57	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1370	mg/L	1	05/10/2024 9:23	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		594	mg/L	20	05/10/2024 3:07	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.31	mg/L	1	05/14/2024 14:02	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	3	mg/L	1	05/10/2024 22:21	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		208	mg/L	1	05/08/2024 15:36	222639
Magnesium	NELAP	0.006	0.050		133	mg/L	1	05/08/2024 15:36	222639
Potassium	NELAP	0.040	0.100		1.03	mg/L	1	05/08/2024 15:36	222639
Sodium	NELAP	0.018	0.050		45.9	mg/L	1	05/08/2024 15:36	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/15/2024 2:22	222639
Arsenic	NELAP	0.4	1.0		1.8	µg/L	5	05/13/2024 10:31	222639
Barium	NELAP	0.7	1.0		19.3	µg/L	5	05/10/2024 15:44	222639
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:31	222639
Boron	NELAP	9.2	20.0		5200	µg/L	5	05/13/2024 10:31	222639
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:31	222639
Chromium	NELAP	0.7	1.5		2.2	µg/L	5	05/13/2024 10:31	222639
Cobalt	NELAP	0.1	1.0		1.1	µg/L	5	05/13/2024 10:31	222639
Lead	NELAP	0.6	1.0	J	0.7	µg/L	5	05/10/2024 15:44	222639
Lithium	*	1.4	3.0		22.4	µg/L	5	05/13/2024 10:31	222639
Molybdenum	NELAP	0.8	1.5		2.2	µg/L	5	05/13/2024 10:31	222639
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/13/2024 10:31	222639
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/10/2024 15:44	222639



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-074
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G402
Collection Date: 05/06/2024 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/20/2024 15:45	223153



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-075

Client Sample ID: G403

Matrix: GROUNDWATER

Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.26	ft	1	05/06/2024 10:28	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.2	NTU	1	05/06/2024 10:28	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		70	mV	1	05/06/2024 10:28	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		717	µS/cm	1	05/06/2024 10:28	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.5	°C	1	05/06/2024 10:28	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.30	mg/L	1	05/06/2024 10:28	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.85		1	05/06/2024 10:28	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		321	mg/L	1	05/14/2024 11:04	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 11:04	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		458	mg/L	1	05/10/2024 9:46	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		87	mg/L	5	05/10/2024 3:18	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.30	mg/L	1	05/14/2024 14:04	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		7	mg/L	1	05/10/2024 3:12	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		83.2	mg/L	1	05/08/2024 15:37	222639
Magnesium	NELAP	0.006	0.050		37.5	mg/L	1	05/08/2024 15:37	222639
Potassium	NELAP	0.040	0.100		0.532	mg/L	1	05/08/2024 15:37	222639
Sodium	NELAP	0.018	0.050		29.6	mg/L	1	05/08/2024 15:37	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/15/2024 2:27	222639
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	05/13/2024 10:38	222639
Barium	NELAP	0.7	1.0		107	µg/L	5	05/10/2024 15:50	222639
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:38	222639
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/13/2024 10:38	222639
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:38	222639
Chromium	NELAP	0.7	1.5	J	1.0	µg/L	5	05/13/2024 10:38	222639
Cobalt	NELAP	0.1	1.0	J	0.1	µg/L	5	05/13/2024 10:38	222639
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	06/07/2024 1:37	223763
Lithium	*	1.4	3.0		3.0	µg/L	5	05/13/2024 10:38	222639
Molybdenum	NELAP	0.8	1.5		< 1.5	µg/L	5	05/13/2024 10:38	222639
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/13/2024 10:38	222639
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/10/2024 15:50	222639



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-075

Client Sample ID: G403

Matrix: GROUNDWATER

Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/20/2024 15:48	223153



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-076

Client Sample ID: G404

Matrix: GROUNDWATER

Collection Date: 05/06/2024 12:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.80	ft	1	05/06/2024 12:44	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.0	NTU	1	05/06/2024 12:44	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		89	mV	1	05/06/2024 12:44	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1150	µS/cm	1	05/06/2024 12:44	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.9	°C	1	05/06/2024 12:44	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.09	mg/L	1	05/06/2024 12:44	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.84		1	05/06/2024 12:44	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		268	mg/L	1	05/09/2024 18:07	R347037
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/09/2024 18:07	R347037
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		826	mg/L	1	05/10/2024 10:02	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		332	mg/L	20	05/11/2024 1:16	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.18	mg/L	1	05/14/2024 14:10	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		63	mg/L	5	05/11/2024 1:12	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		131	mg/L	1	05/08/2024 15:51	222639
Magnesium	NELAP	0.006	0.050		54.9	mg/L	1	05/08/2024 15:51	222639
Potassium	NELAP	0.040	0.100		0.350	mg/L	1	05/08/2024 15:51	222639
Sodium	NELAP	0.018	0.050		48.8	mg/L	1	05/08/2024 15:51	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/15/2024 2:32	222639
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	05/13/2024 10:44	222639
Barium	NELAP	0.7	1.0		34.0	µg/L	5	05/10/2024 15:56	222639
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:44	222639
Boron	NELAP	9.2	20.0		4620	µg/L	5	05/13/2024 10:44	222639
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:44	222639
Chromium	NELAP	0.7	1.5	J	0.8	µg/L	5	05/13/2024 10:44	222639
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	05/13/2024 10:44	222639
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 15:56	222639
Lithium	*	1.4	3.0		4.5	µg/L	5	05/13/2024 10:44	222639
Molybdenum	NELAP	0.8	1.5	J	0.9	µg/L	5	05/13/2024 10:44	222639
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/13/2024 10:44	222639
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/10/2024 15:56	222639



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-076
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G404
Collection Date: 05/06/2024 12:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/20/2024 15:50	223153



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-077

Client Sample ID: G405

Matrix: GROUNDWATER

Collection Date: 05/06/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.05	ft	1	05/06/2024 13:13	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		8.1	NTU	1	05/06/2024 13:13	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		59	mV	1	05/06/2024 13:13	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1820	µS/cm	1	05/06/2024 13:13	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.0	°C	1	05/06/2024 13:13	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	05/06/2024 13:13	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.96		1	05/06/2024 13:13	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0	H	284	mg/L	1	06/03/2024 15:33	R348190
Sample required re-analysis out of hold time.									
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0	H	0	mg/L	1	06/03/2024 15:33	R348190
Sample required re-analysis out of hold time.									
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1460	mg/L	1	05/10/2024 10:02	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		886	mg/L	50	05/11/2024 1:25	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.43	mg/L	1	05/14/2024 14:12	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		17	mg/L	1	05/11/2024 1:20	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		251	mg/L	1	05/08/2024 15:53	222639
Magnesium	NELAP	0.006	0.050		110	mg/L	1	05/08/2024 15:53	222639
Potassium	NELAP	0.040	0.100		0.555	mg/L	1	05/08/2024 15:53	222639
Sodium	NELAP	0.018	0.050		103	mg/L	1	05/08/2024 15:53	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/15/2024 2:38	222639
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	05/13/2024 10:50	222639
Barium	NELAP	0.7	1.0		11.6	µg/L	5	05/10/2024 16:02	222639
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:50	222639
Boron	NELAP	9.2	20.0		9230	µg/L	5	05/13/2024 10:50	222639
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:50	222639
Chromium	NELAP	0.7	1.5	J	0.8	µg/L	5	05/13/2024 10:50	222639
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	05/13/2024 10:50	222639
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 16:02	222639
Lithium	*	1.4	3.0	J	2.6	µg/L	5	05/13/2024 10:50	222639
Molybdenum	NELAP	0.8	1.5		< 1.5	µg/L	5	05/13/2024 10:50	222639
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/13/2024 10:50	222639
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/10/2024 16:02	222639



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-077
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G405
Collection Date: 05/06/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/20/2024 15:52	223153



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-078
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24

Client Sample ID: G406

Collection Date: 05/06/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.24	ft	1	05/06/2024 11:05	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.4	NTU	1	05/06/2024 11:05	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		100	mV	1	05/06/2024 11:05	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1370	µS/cm	1	05/06/2024 11:05	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.9	°C	1	05/06/2024 11:05	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.36	mg/L	1	05/06/2024 11:05	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.65		1	05/06/2024 11:05	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		379	mg/L	1	05/14/2024 11:11	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 11:11	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1030	mg/L	1	05/10/2024 10:02	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		474	mg/L	20	05/11/2024 1:49	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.34	mg/L	1	05/14/2024 14:14	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		4	mg/L	1	05/11/2024 1:44	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		192	mg/L	1	05/08/2024 15:55	222639
Magnesium	NELAP	0.006	0.050		69.2	mg/L	1	05/08/2024 15:55	222639
Potassium	NELAP	0.040	0.100		0.235	mg/L	1	05/08/2024 15:55	222639
Sodium	NELAP	0.018	0.050		36.4	mg/L	1	05/08/2024 15:55	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/15/2024 2:43	222639
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	05/13/2024 10:56	222639
Barium	NELAP	0.7	1.0		12.8	µg/L	5	05/10/2024 16:52	222639
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:56	222639
Boron	NELAP	9.2	20.0		1360	µg/L	5	05/13/2024 10:56	222639
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 10:56	222639
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	05/13/2024 10:56	222639
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	05/13/2024 10:56	222639
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 16:52	222639
Lithium	*	1.4	3.0		9.4	µg/L	5	05/13/2024 10:56	222639
Molybdenum	NELAP	0.8	1.5		< 1.5	µg/L	5	05/13/2024 10:56	222639
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/13/2024 10:56	222639
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/10/2024 16:52	222639



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-078

Client Sample ID: G406

Matrix: GROUNDWATER

Collection Date: 05/06/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/18/2024 15:09	222921



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-079

Client Sample ID: G407

Matrix: GROUNDWATER

Collection Date: 04/29/2024 14:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.27	ft	1	04/29/2024 14:52	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		71	NTU	1	04/29/2024 14:52	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		97	mV	1	04/29/2024 14:52	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2210	µS/cm	1	04/29/2024 14:52	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.8	°C	1	04/29/2024 14:52	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.48	mg/L	1	04/29/2024 14:52	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.65		1	04/29/2024 14:52	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		486	mg/L	1	05/06/2024 13:55	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 13:55	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1910	mg/L	1	04/30/2024 11:30	R346581
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		966	mg/L	50	05/02/2024 8:06	R346635
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.31	mg/L	1	05/06/2024 13:59	R346823
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		11	mg/L	1	05/02/2024 8:00	R346639
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		246	mg/L	1	05/02/2024 16:18	222328
Magnesium	NELAP	0.006	0.050		174	mg/L	1	05/03/2024 13:52	222328
Potassium	NELAP	0.040	0.100		2.78	mg/L	1	05/02/2024 16:18	222328
Sodium	NELAP	0.018	0.050	B	78.7	mg/L	1	05/02/2024 16:18	222328
<i>Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	05/09/2024 13:29	222328
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	05/07/2024 13:37	222328
Barium	NELAP	0.7	1.0		11.5	µg/L	5	05/07/2024 13:37	222328
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 13:37	222328
Boron	NELAP	9.2	20.0		60.1	µg/L	5	05/07/2024 13:37	222328
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 13:37	222328
Chromium	NELAP	0.7	1.5	J	1.2	µg/L	5	05/07/2024 13:37	222328
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	05/07/2024 13:37	222328
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 13:37	222328
Lithium	*	1.4	3.0		42.1	µg/L	5	05/07/2024 13:37	222328
Molybdenum	NELAP	0.6	1.5		2.1	µg/L	5	05/07/2024 13:37	222328
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 13:37	222328
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/07/2024 13:37	222328

CCV recovered outside the upper control limits for Cr. Sample results are below the reporting limit. Data is reportable per the TNI standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab ID: 24041541-079

Client Sample ID: G407

Matrix: GROUNDWATER

Collection Date: 04/29/2024 14:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/21/2024 12:56	222504



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-087
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: SG-02
Collection Date: 04/29/2024 15:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.68	ft	1	04/29/2024 15:29	R347020



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-088
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: SG-03
Collection Date: 04/29/2024 10:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.94	ft	1	04/29/2024 10:27	R347020



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-095
Matrix: AQUEOUS

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: Field Blank
Collection Date: 05/08/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 17:11	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 17:11	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	05/10/2024 9:47	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	05/10/2024 23:55	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	05/14/2024 14:38	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	05/10/2024 23:55	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	05/10/2024 16:02	222728
Magnesium	NELAP	0.006	0.050		< 0.050	mg/L	1	05/10/2024 16:02	222728
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	05/10/2024 16:02	222728
Sodium	NELAP	0.018	0.050	J	0.026	mg/L	1	05/10/2024 16:02	222728
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		< 1.0	µg/L	5	05/14/2024 0:01	222728
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	05/14/2024 0:01	222728
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	05/14/2024 0:01	222728
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 0:01	222728
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	06/04/2024 18:52	223769
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 0:01	222728
Chromium	NELAP	0.8	1.5	J	0.8	µg/L	5	05/14/2024 0:01	222728
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	05/14/2024 0:01	222728
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 0:01	222728
Lithium	*	1.4	3.0		< 3.0	µg/L	5	05/14/2024 0:01	222728
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	06/04/2024 18:52	223769
Selenium	NELAP	0.6	1.0	J	0.7	µg/L	5	05/14/2024 0:01	222728
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/14/2024 0:01	222728
Contamination present in the CCB for B. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/21/2024 19:00	223077



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-101
Matrix: AQUEOUS

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: Equipment Blank 1
Collection Date: 05/08/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 17:14	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 17:14	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	05/10/2024 9:47	R347190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	05/11/2024 0:53	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	05/14/2024 15:11	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	05/11/2024 0:53	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		0.219	mg/L	1	05/10/2024 16:04	222728
Magnesium	NELAP	0.006	0.050	J	0.021	mg/L	1	05/10/2024 16:04	222728
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	05/10/2024 16:04	222728
Sodium	NELAP	0.018	0.050		0.056	mg/L	1	05/10/2024 16:04	222728
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		< 1.0	µg/L	5	05/14/2024 0:07	222728
Arsenic	NELAP	0.4	1.0		1.2	µg/L	5	05/14/2024 0:07	222728
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	05/14/2024 0:07	222728
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 0:07	222728
Boron	NELAP	9.2	20.0		32.2	µg/L	5	05/14/2024 0:07	222728
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 0:07	222728
Chromium	NELAP	0.8	1.5	J	1.1	µg/L	5	05/14/2024 0:07	222728
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	05/14/2024 0:07	222728
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 0:07	222728
Lithium	*	1.4	3.0		< 3.0	µg/L	5	05/14/2024 0:07	222728
Molybdenum	NELAP	0.7	1.5		4.3	µg/L	5	05/16/2024 7:47	222728
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 0:07	222728
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/14/2024 0:07	222728
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/21/2024 20:14	223077



Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041541-001	AP2D	Groundwater	2	05/08/2024 9:52
24041541-002	G1001	Groundwater	2	05/07/2024 10:16
24041541-003	G1003	Groundwater	4	05/06/2024 13:18
24041541-042	G270	Groundwater	6	05/08/2024 9:40
24041541-053	G280	Groundwater	6	05/06/2024 14:07
24041541-054	G281	Groundwater	4	05/03/2024 10:27
24041541-073	G401	Groundwater	4	05/02/2024 14:06
24041541-074	G402	Groundwater	4	05/06/2024 12:00
24041541-075	G403	Groundwater	4	05/06/2024 10:28
24041541-076	G404	Groundwater	4	05/06/2024 12:44
24041541-077	G405	Groundwater	4	05/06/2024 13:13
24041541-078	G406	Groundwater	4	05/06/2024 11:05
24041541-079	G407	Groundwater	4	04/29/2024 14:52
24041541-087	SG-02	Groundwater	1	04/29/2024 15:29
24041541-088	SG-03	Groundwater	1	04/29/2024 10:27
24041541-095	Field Blank	Aqueous	17	05/08/2024 11:21
24041541-101	Equipment Blank 1	Aqueous	17	05/08/2024 11:35



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 2510 B FIELD

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-1											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	04/29/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-1.15											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	04/30/2024

Batch R347020		SampType:	LCS		Units µS/cm						
SampID: LCS-1.8											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1420	1412	0	100.2	90	110	04/30/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-2											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	99.9	90	110	04/30/2024

Batch R347020		SampType:	LCS		Units µS/cm						
SampID: LCS-2.16											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	05/01/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-2.9											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1420	1412	0	100.4	90	110	05/01/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-3											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	05/01/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-3.10											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	05/02/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 2510 B FIELD

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-3.17											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	05/02/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-4											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	05/02/2024

Batch R347020		SampType:	LCS		Units µS/cm							
SampID: LCS-4.11											Date Analyzed	
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Spec. Conductance, Field			*	0		1410	1412	0	100.1	90	110	05/03/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-4.18											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	05/03/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-5											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	99.9	90	110	05/03/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-5.12											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	05/06/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-5.19											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	05/06/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-6											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	05/06/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 2510 B FIELD

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-6.13											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.3	90	110	05/07/2024	

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-6.20											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	05/07/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-7											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.1	90	110	05/07/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-7.14											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	99.9	90	110	05/08/2024

Batch R347020		SampType: LCS		Units µS/cm							
SampID: LCS-7.21											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Spec. Conductance, Field		*	0		1410	1412	0	100.0	90	110	05/08/2024

SW-846 9040B FIELD

Batch R347020		SampType: LCS		Units							
SampID: LCS-1											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH		*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/29/2024

Batch R347020		SampType: LCS		Units							
SampID: LCS-1.15											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	04/30/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9040B FIELD

Batch R347020		SampType: LCS		Units							
SampID: LCS-1.8											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/30/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-2											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00		7.01	7.000	0	100.1	98.57	101.4	04/30/2024

Batch R347020		SampType:	LCS		Units						
SampID:		LCS-2.16									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00		7.01	7.000	0	100.1	98.57	101.4	05/01/2024

Batch R347020		SampType: LCS		Units							
SampID: LCS-2.9											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	05/01/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-3											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.10	7.000	0	101.4	98.57	101.4	05/01/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-3.10											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00		7.02	7.000	0	100.3	98.57	101.4	05/02/2024

Batch R347020		SampType:	LCS	Units								
SampID:		LCS-3.17										Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH		*	1.00		7.01	7.000	0	100.1	98.57	101.4	05/02/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-4											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH		*	1.00		7.06	7.000	0	100.9	98.57	101.4	05/02/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9040B FIELD

Batch R347020		SampType: LCS		Units								Date
SampID: LCS-4.11												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			

Batch R347020		SampType: LCS		Units								Date
SampID: LCS-4.18												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4			

Batch R347020		SampType: LCS		Units								Date
SampID: LCS-5												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			

Batch R347020		SampType: LCS		Units								Date
SampID: LCS-5.12												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4			

Batch R347020		SampType: LCS		Units								Date
SampID: LCS-5.19												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			

Batch R347020		SampType: LCS		Units								Date
SampID: LCS-6												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.07	7.000	0	101.0	98.57	101.4			

Batch R347020		SampType: LCS		Units								Date
SampID: LCS-6.13												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			

Batch R347020		SampType: LCS		Units								Date
SampID: LCS-6.20												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9040B FIELD

Batch	R347020	SampType:	LCS	Units								
SampID:		LCS-7										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
pH	*	1.00		7.05	7.000	0	100.7	98.57	101.4	05/07/2024		

Batch	R347020	SampType:	LCS	Units								
SampID:		LCS-7.14										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	05/08/2024		

Batch	R347020	SampType:	LCS	Units								
SampID:		LCS-7.21										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	05/08/2024		

EPA 1664A

Batch	R346878	SampType:	MBLK	Units	mg/L							
SampID:		MBLK2										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Hexane Extractable Material		5		< 5	4.400	0	0	-100	100	05/07/2024		

Batch	R346878	SampType:	LCS	Units	mg/L							
SampID:		LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Hexane Extractable Material		5		38	40.00	0	94.8	78	114	05/06/2024		

Batch	R346878	SampType:	MS	Units	mg/L							
SampID:		24042278-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Hexane Extractable Material		6		44	44.74	5.410	86.7	78	114	05/06/2024		

Batch	R347205	SampType:	MBLK	Units	mg/L							
SampID:		MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Hexane Extractable Material		5		< 5	4.400	0	0	-100	100	05/13/2024		



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 1664A

Batch R347205		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5		42	40.00	0	103.8	78	114	05/13/2024

Batch R347205		SampType: MS		Units mg/L						
SampID: 24050711-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		6		52	46.47	11.45	87.4	78	114	05/13/2024

Batch R347241		SampType: MBLK		Units mg/L							
SampID: MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Hexane Extractable Material		5		< 5	4.400	0	0	-100	100	05/13/2024	

Batch R347241		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Hexane Extractable Material		5		45	40.00	0	112.8	78	114	05/13/2024	

Batch R347241		SampType: MS		Units mg/L						
SampID: 24050632-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		5	S	33	41.98	6.672	63.4	78	114	05/13/2024

Batch R347241		SampType: MS		Units mg/L							
SampID: 24051058-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Hexane Extractable Material		3		29	27.12	3.653	94.8	78	114	05/13/2024	

EPA 600 350.1 (TOTAL)

Batch R346656		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	05/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346656		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.05	1.000	0	105.2	90	110	05/01/2024	

Batch R346656		SampType: MS		Units mg/L							
SampID: 24042332-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.03	2.000	0.1340	94.6	90	110	05/01/2024	

Batch R346656		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24042332-005AMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Ammonia (as N)		0.10		2.02	2.000	0.1340	94.2	2.027	0.49				05/01/2024

Batch R346656		SampType: MS		Units mg/L							
SampID: 24042342-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.07	2.000	0.1860	94.3	90	110	05/01/2024	

Batch R346656		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24042342-004AMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Ammonia (as N)		0.10		2.04	2.000	0.1860	92.8	2.072	1.41				05/01/2024

Batch R346656		SampType: MS		Units mg/L							
SampID: 24042398-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.99	2.000	0.1260	93.1	90	110	05/01/2024	

Batch R346656		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24042398-002AMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Ammonia (as N)		0.10		1.95	2.000	0.1260	91.2	1.988	1.93				05/01/2024

Batch R346656		SampType: MS		Units mg/L							
SampID: 24042409-001FMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.98	2.000	0.1040	93.9	90	110	05/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346656		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042409-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.98	2.000	0.1040	93.8	1.982	0.15	05/01/2024

Batch R346656		SampType: MS		Units mg/L							
SampID: 24042412-001CMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.90	2.000	0.03400	93.2	90	110	05/01/2024

Batch	R346656	SampType:	MSD	Units					mg/L	RPD Limit			10
SampID: 24042412-001CMSD													
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)				0.10		1.92	2.000	0.03400	94.2	1.898	1.10	05/01/2024	

Batch R346656		SampType: MS		Units mg/L							
SampID: 24042441-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.89	2.000	0	94.6	90	110	05/01/2024	

Batch R346656		SampType:	MSD		Units mg/L					RPD Limit 10		
SampID: 24042441-001BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)				0.10		1.90	2.000	0	94.8	1.891	0.32	05/01/2024

Batch R346656		SampType: MS		Units mg/L							
SampID: 24042441-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.71	2.000	0.04000	83.6	90	110	05/01/2024	

Batch R346656		SampType: MSD	Units mg/L					RPD Limit 10			
SampID: 24042441-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.73	2.000	0.04000	84.4	1.712	0.93	05/01/2024

Batch R346656		SampType: MS		Units mg/L							
SampID: 24042443-001AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.07	2.000	0.1680	95.0	90	110	05/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346656		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24042443-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10		2.03	2.000	0.1680	93.1	2.069	1.90	05/01/2024

Batch R346717		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	05/03/2024

Batch	R346717	SampType:	LCS	Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.05	1.000	0	105.4	90	110	05/03/2024	

Batch R346717		SampType: MS		Units mg/L							
SampID: 24050060-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		1.00		27.8	20.00	8.734	95.4	90	110	05/03/2024	

Batch R346717		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24050060-003BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)				1.00		27.9	20.00	8.734	95.7	27.80	0.28	05/03/2024

Batch R346717		SampType: MS		Units mg/L							
SampID: 24050069-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.14	2.000	0.1880	97.6	90	110	05/03/2024	

Batch R346717		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050069-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.13	2.000	0.1880	96.9	2.141	0.70	05/03/2024

Batch R346717		SampType: MS		Units mg/L							
SampID: 24050111-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0	96.0	90	110	05/03/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346717		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050111-007BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10		1.87	2.000	0	93.3	1.920	2.85	05/03/2024

Batch R346717		SampType: MS		Units mg/L							
SampID: 24050118-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.15	2.000	0.2730	93.8	90	110	05/03/2024	

Batch R346717		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050118-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.16	2.000	0.2730	94.4	2.150	0.51	05/03/2024

Batch R346717		SampType: MS		Units mg/L							
SampID: 24050212-016AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.29	2.000	0.3750	95.8	90	110	05/03/2024	

Batch R346717		SampType: MSD		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 24050212-016AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)				0.10		2.31	2.000	0.3750	96.7	2.290	0.83	05/03/2024

Batch R346717		SampType: MS		Units mg/L							
SampID: 24050234-004EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.01	2.000	0.1280	94.2	90	110	05/03/2024	

Batch R346717		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050234-004EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.03	2.000	0.1280	95.0	2.012	0.79	05/03/2024

Batch R346869		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	05/06/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346869		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		0.96	1.000	0	96.2	90	110	05/06/2024	

Batch R346869		SampType: MS		Units mg/L							
SampID: 24050079-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		2.00		38.4	40.00	2.417	90.0	90	110	05/06/2024	

Batch R346869		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050079-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			2.00	S	37.9	40.00	2.417	88.7	38.44	1.40	05/06/2024

Batch R346869		SampType: MS		Units mg/L							
SampID: 24050337-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.60	2.000	0.03900	77.8	90	110	05/06/2024	

Batch R346869		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050337-007AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.60	2.000	0.03900	78.0	1.595	0.31	05/06/2024

Batch R346869		SampType: MS		Units mg/L							
SampID: 24050339-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.87	2.000	0.06700	90.2	90	110	05/06/2024	

Batch R346869		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050339-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.86	2.000	0.06700	89.8	1.872	0.43	05/06/2024

Batch R346869		SampType: MS		Units mg/L							
SampID: 24050352-003HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.78	2.000	0.05600	86.0	90	110	05/06/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R346869		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050352-003HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10	S	1.79	2.000	0.05600	86.7	1.775	0.84	05/06/2024

Batch R346965		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	05/08/2024

Batch	R346965	SampType:	LCS	Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.01	1.000	0	100.7	90	110	05/08/2024	

Batch R346965		SampType: MS		Units mg/L							
SampID: 24050628-001BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	E	5.43	2.000	3.465	98.4	90	110	05/08/2024

Batch R346965		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24050628-001BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)				0.10	E	5.43	2.000	3.465	98.4	5.432	0.04	05/08/2024

Batch R347127		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	05/10/2024

Batch R347127		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.01	1.000	0	100.9	90	110	05/10/2024

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050001-011JMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		4.27	2.000	2.398	93.4	90	110	05/10/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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EPA 600 350.1 (TOTAL)

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24050001-011JMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.10		4.28	2.000	2.398	93.8	4.267	0.19	05/10/2024		

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050697-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0	95.8	90	110	05/10/2024	

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050697-007BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.91	2.000	0	95.5	1.915	0.26	05/10/2024

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050718-004DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.27	2.000	0.4000	93.4	90	110	05/10/2024	

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050718-004DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.28	2.000	0.4000	94.1	2.267	0.66	05/10/2024

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050795-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.28	2.000	0.4800	90.0	90	110	05/10/2024	

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050795-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.28	2.000	0.4800	90.0	2.280	0.00	05/10/2024

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050795-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.30	2.000	0.4930	90.2	90	110	05/10/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 350.1 (TOTAL)

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24050795-006BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)			0.10		2.32	2.000	0.4930	91.1	2.297	0.78	05/10/2024	

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050811-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.74	2.000	0.8620	93.7	90	110	05/10/2024	

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050811-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.75	2.000	0.8620	94.3	2.735	0.44	05/10/2024

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050848-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		11.6	10.00	1.977	95.9	90	110	05/10/2024	

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050848-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.50		11.5	10.00	1.977	95.3	11.57	0.53	05/10/2024

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050859-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0.02800	94.4	90	110	05/10/2024	

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050859-007BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.93	2.000	0.02800	95.2	1.915	0.88	05/10/2024

Batch R347127		SampType: MS		Units mg/L							
SampID: 24050876-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.96	2.000	0.04700	95.6	90	110	05/10/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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EPA 600 350.1 (TOTAL)

Batch R347127		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 24050876-002CMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)		0.10		1.97	2.000	0.04700	96.1	1.959	0.51		
											05/10/2024

EPA 600 365.4 (TOTAL)

Batch 222716		SampType: MBLK		Units mg/L							Date
SampID: MBLK 240508 TP1											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Total (as P)		0.100		< 0.100	0.0660	0	0	-100	100		
											05/09/2024

Batch 222716		SampType: LCS		Units mg/L							Date
SampID: LCS 240508 TP1											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Total (as P)		0.100		1.06	1.000	0	106.5	85	115		
											05/09/2024

Batch 222716		SampType: MS		Units mg/L							Date
SampID: 24050604-001HMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Total (as P)		0.100		1.46	1.000	0.4740	99.1	85	115		
											05/09/2024

Batch 222716		SampType: MSD		Units mg/L				RPD Limit 15			Date
SampID: 24050604-001HMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phosphorus, Total (as P)		0.100		1.48	1.000	0.4740	100.9	1.465	1.22		
											05/09/2024

Batch 222716		SampType: MS		Units mg/L							Date
SampID: 24050709-003BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phosphorus, Total (as P)		0.500		11.4	5.000	6.620	96.3	85	115		
											05/09/2024

Batch 222716		SampType: MSD		Units mg/L				RPD Limit 15			Date
SampID: 24050709-003BMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phosphorus, Total (as P)		0.500		11.5	5.000	6.620	97.1	11.44	0.35		
											05/09/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 365.4 (TOTAL)

Batch 222716		SampType: MS		Units mg/L							
SampID: 24050714-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Total (as P)		0.500		6.30	5.000	1.375	98.5	85	115	05/09/2024	

Batch 222716		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050714-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Total (as P)		0.500		6.37	5.000	1.375	99.9	6.300	1.10	05/09/2024	

Batch 222767		SampType: MBLK		Units mg/L							
SampID: MBLK 240509 TP1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Total (as P)		0.100		< 0.100	0.0660	0	0	-100	100	05/14/2024	

Batch 222767		SampType: LCS		Units mg/L							
SampID: LCS 240509 TP1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Total (as P)		0.100		1.09	1.000	0	108.6	85	115	05/14/2024	

Batch 222767		SampType: MS		Units mg/L							
SampID: 24050697-008AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phosphorus, Total (as P)		0.100		1.43	1.000	0.3880	104.1	85	115	05/14/2024	

Batch 222767		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050697-008AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)			0.100		1.46	1.000	0.3880	106.7	1.429	1.80	05/14/2024

Batch 222767		SampType: MS		Units mg/L							
SampID: 24050745-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Total (as P)		0.100		2.96	1.000	1.906	104.9	85	115	05/14/2024	

Batch 222767		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050745-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)			0.100		3.04	1.000	1.906	113.5	2.955	2.87	05/14/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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Batch R346581		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/30/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/30/2024	

Batch R346581		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		952	1000	0	95.2	90	110	04/30/2024
Total Dissolved Solids		20		940	1000	0	94.0	90	110	04/30/2024

Batch R346581		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24042262-006FDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		600				582.0	3.05	04/30/2024

Batch R346728		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	05/02/2024
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	05/02/2024

Batch R346728		SampType: LCS		Units mg/L						
SampID: LCS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids		20		958	1000	0	95.8	90	110	05/02/2024
Total Dissolved Solids		20		952	1000	0	95.2	90	110	05/02/2024

Batch R346728		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24042406-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50	H	2160				2200	1.83	05/02/2024

Batch R346728		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24050057-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		565				515.0	9.26	05/02/2024



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Client: Ramboll

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Batch R346728		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24050143-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		2980				3120	4.42	05/02/2024

Batch	R346753	SampType:	MBLK	Units mg/L							
SampleID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	05/03/2024
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	05/03/2024

Batch	R346753	SampType:	LCS	Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		960	1000	0	96.0	90	110	05/03/2024
Total Dissolved Solids			20		982	1000	0	98.2	90	110	05/03/2024

Batch R346753		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24041541-031ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		332				314.0	5.57	05/03/2024

Batch R346753		SampType: DUP		Units mg/L					RPD Limit 10		
SampID: 24050139-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		400				406.0	1.49	05/03/2024

Batch	R346758	SampType:	MBLK	Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/04/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/04/2024	

Batch	R346758	SampType:	LCS	Units mg/L							
SampID: LCS											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Total Dissolved Solids			20		928	1000	0	92.8	90	110	05/04/2024
Total Dissolved Solids			20		974	1000	0	97.4	90	110	05/04/2024



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Client Project: COF-24Q2

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STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346758		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24041541-021EDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids			20		494				474.0	4.13	
05/04/2024											

Batch R346758		SampType: DUP		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 24050228-001BDUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids			20		1440				1372	5.11		
05/04/2024												

Batch R347018		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	05/08/2024
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	05/08/2024

Batch R347018		SampType: LCS		Units mg/L								
SampID: LCS											Date Analyzed	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids			20		960	1000	0	96.0	90	110		05/08/2024
Total Dissolved Solids			20		994	1000	0	99.4	90	110		05/08/2024

Batch R347018		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050482-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		128				134.0	4.58	05/08/2024

Batch R347018		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050590-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		30100				30420	1.12	05/08/2024

Batch R347018		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050591-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		1900				1805	4.86	05/08/2024



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Client Project: COF-24Q2

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Batch R347190 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/10/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/10/2024

Batch R347190 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		946	1000	0	94.6	90	110	05/10/2024
Total Dissolved Solids		20		912	1000	0	91.2	90	110	05/10/2024

Batch R347190 SampType: DUP Units mg/L

RPD Limit 10

SampID: 24041541-075ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		20		458				458.0	0.00	05/10/2024

Batch R347190 SampType: DUP Units mg/L

RPD Limit 10

SampID: 24050891-001ADUP

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids		50		455				470.0	3.24	05/10/2024

Batch R347304 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/14/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/14/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/14/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/14/2024

Batch R347304 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		978	1000	0	97.8	90	110	05/14/2024
Total Dissolved Solids		20		962	1000	0	96.2	90	110	05/14/2024
Total Dissolved Solids		20		922	1000	0	92.2	90	110	05/14/2024
Total Dissolved Solids		20		930	1000	0	93.0	90	110	05/14/2024



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Batch R347304		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050819-003BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		380				385.0	1.31	05/14/2024

Batch R347304		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050906-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		595				560.0	6.06	05/14/2024

Batch R347304		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050906-014ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		538				572.0	6.13	05/14/2024

Batch R347304		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050975-002BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		760				705.0	7.51	05/14/2024

Batch R347304		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24051090-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			100		680				670.0	1.48	05/14/2024

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Batch R347107		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	*	0.5		< 0.5	0.3000	0	0	-100	100	05/10/2024
Total Suspended Solids		6		< 6	4.000	0	0	-100	100	05/10/2024
Total Suspended Solids		6		< 6	4.000	0	0	-100	100	05/10/2024
Total Suspended Solids		6		< 6	4.000	0	0	-100	100	05/10/2024
Total Suspended Solids		6		< 6	4.000	0	0	-100	100	05/10/2024



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Batch R347107		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids		6		96	100.0	0	96.0	85	115	05/10/2024
Total Suspended Solids		6		108	100.0	0	108.0	85	115	05/10/2024
Total Suspended Solids		6		106	100.0	0	106.0	85	115	05/10/2024
Total Suspended Solids		6		108	100.0	0	108.0	85	115	05/10/2024
Total Suspended Solids		6		107	100.0	0	107.0	85	115	05/10/2024

Batch R347107		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24041541-082EDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6		< 6				0	0.00	05/10/2024

Batch R347107		SampType: DUP		Units mg/L					RPD Limit 5		
SampID: 24050602-006ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6	R	16				15.00	6.45	05/10/2024

Batch R347107		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24050625-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6	J	5				0	0.00	05/10/2024

Batch R347107		SampType: DUP		Units mg/L				RPD Limit 5				Date Analyzed
SampID: 24050717-002ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids			6	R	15				13.00	14.29		

Batch R347107		SampType: DUP		Units mg/L				RPD Limit 5				Date Analyzed
SampID: 24050735-003ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids			6		7				7.000	0.00		

Batch R347107		SampType: DUP		Units mg/L				RPD Limit 5			Date Analyzed
SampID: 24050763-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Suspended Solids			6		< 6				0	0.00	
											05/10/2024



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Batch R347107		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24050774-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6	J	4				0	0.00	05/10/2024
Total Suspended Solids		*	1.4	R	4.0				4.400	8.28	05/10/2024

Batch R347107		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24050834-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6		28				28.00	0.00	05/10/2024

Batch R347107		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24050872-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6		< 6				5.000	0.00	05/10/2024

STANDARD METHODS 4500-NH3 G (DISSOLVED) 1997, 2011

Batch R346656		SampType: MS		Units mg/L							
SampID: 24050007-007KMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		2.59	2.000	0.7320	93.0	90	110	05/01/2024	

Batch R346656		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050007-007KMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.62	2.000	0.7320	94.2	2.592	0.88	05/01/2024

Batch R346717		SampType: MS		Units mg/L							
SampID: 24041541-020KMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.26	2.000	0.3980	93.0	90	110	05/03/2024	

Batch R346717		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-020KMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.28	2.000	0.3980	94.2	2.257	1.10	05/03/2024



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Client: Ramboll

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STANDARD METHODS 4500-NH3 G (DISSOLVED) 1997, 2011

Batch R346717		SampType: MS		Units mg/L							Date
SampID: 24050138-003IMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.85	2.000	0	92.6	90	110	05/03/2024	

Batch R346717		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050138-003IMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.10		1.86	2.000	0	92.8	1.853	0.16			05/03/2024

Batch R346869		SampType: MS		Units mg/L							Date
SampID: 24050364-005KMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10	S	1.69	2.000	0	84.7	90	110	05/06/2024	

Batch R346869		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050364-005KMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.10	S	1.73	2.000	0	86.4	1.694	1.93			05/06/2024

Batch R346965		SampType: MS		Units mg/L							Date
SampID: 24050451-001GMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		2.43	2.000	0.6100	91.2	90	110	05/08/2024	

Batch R346965		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050451-001GMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.10		2.43	2.000	0.6100	91.0	2.433	0.08			05/08/2024

Batch R347127		SampType: MS		Units mg/L							Date
SampID: 24050887-001GMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.84	2.000	0	92.1	90	110	05/10/2024	

Batch R347127		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050887-001GMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.10		1.87	2.000	0	93.3	1.842	1.29			05/10/2024



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Batch R347127		SampType: MS		Units mg/L						
SampID: 24050887-006IMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0	95.8	90	110	05/10/2024

Batch R347127		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050887-006IMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.81	2.000	0	90.4	1.917	5.91	05/10/2024

STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R346545		SampType: MS		Units mg/L						
SampID: 24050007-002FMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	91.4	85	115	05/01/2024

Batch R346545		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050007-002FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.44	0.5000	0	88.4	0.4570	3.34	05/01/2024

Batch R346614		SampType: MS		Units mg/L							
SampID: 24050031-005CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.43	0.5000	0	86.4	85	115	05/01/2024	

Batch R346614		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050031-005CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.43	0.5000	0	85.6	0.4320	0.93	05/01/2024

Batch R346614		SampType: MS		Units mg/L							
SampID: 24050053-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.25		2.26	2.500	0	90.4	85	115	05/01/2024	



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Batch R346614		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050053-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.25		2.14	2.500	0	85.6	2.260	5.45	05/01/2024	

Batch R346679		SampType: MS		Units mg/L							
SampID: 24050138-004DMS										Date	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.44	0.5000	0	88.6	85	115	05/02/2024	

Batch R346679		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050138-004DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.47	0.5000	0	94.4	0.4430	6.34	05/02/2024

Batch R346741		SampType: MS		Units mg/L							
SampID: 24041541-004FMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.6	85	115	05/03/2024	

Batch R346741		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-004FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.47	0.5000	0	94.2	0.4780	1.48	05/03/2024

Batch R346741		SampType: MS		Units mg/L							
SampID: 24050364-001FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	89.8	85	115	05/03/2024	

Batch R346741		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24050364-001FMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)			0.05		0.44	0.5000	0	87.2	0.4490	2.94	05/03/2024	

Batch R346899		SampType: MS		Units mg/L							
SampID: 24041541-089FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.2	85	115	05/07/2024	



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Batch R346899		SampType: MSD		Units mg/L			RPD Limit 10				Date Analyzed
SampID: 24041541-089FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	96.2	0.4660	3.17	05/07/2024

Batch R346899		SampType: MS		Units mg/L							Date Analyzed
SampID: 24050583-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.45	0.5000	0	90.8	85	115	05/07/2024	

Batch R346899		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24050583-001BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)			0.05		0.44	0.5000	0	87.8	0.4540	3.36	05/07/2024	

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Batch R346545		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	04/30/2024
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	04/30/2024

Batch R346545		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrite (as N)			0.05		0.30	0.3045	0	99.5	90	110	04/30/2024
Nitrogen, Nitrite (as N)			0.05		0.30	0.3045	0	99.5	90	110	04/30/2024

Batch R346545		SampType: MS		Units mg/L							
SampID: 24042378-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.6	85	115	04/30/2024	

Batch R346545		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042378-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.51	0.5000	0	102.4	0.5080	0.78	04/30/2024



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Batch R346545		SampType: MS		Units mg/L						
SampID: 24042422-005AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0.05500	91.6	85	115	04/30/2024

Batch R346545		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042422-005AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.52	0.5000	0.05500	92.8	0.5130	1.16	04/30/2024

Batch R346614		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	05/01/2024

Batch R346614		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.5	90	110	05/01/2024	

Batch R346614		SampType: MS		Units mg/L							
SampID: 24050025-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05	S	0.42	0.5000	0	84.2	85	115	05/01/2024	

Batch R346614		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050025-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	S	0.42	0.5000	0	84.0	0.4210	0.24	05/01/2024

Batch R346679		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	05/02/2024
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	05/02/2024



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Batch R346679		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	103.8	90	110	05/02/2024	
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	103.8	90	110	05/02/2024	

Batch R346679		SampType: MS		Units mg/L						
SampID: 24050118-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	0.48	0.5000	0.005000	95.8	85	115	05/02/2024

Batch R346679		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050118-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	H	0.49	0.5000	0.005000	97.0	0.4840	1.23	05/02/2024

Batch R346679		SampType: MS		Units mg/L							
SampID: 24050133-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	108.6	85	115	05/02/2024	

Batch R346679		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050133-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.53	0.5000	0	106.8	0.5430	1.67	05/02/2024

Batch R346741		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	05/03/2024

Batch R346741		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	102.5	90	110	05/03/2024	



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Batch R346741 SampType: MS Units mg/L

SampID: 24041541-052AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	E	0.78	0.5000	0.3120	94.6	85	115	05/03/2024

Batch R346741 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24041541-052AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	E	0.79	0.5000	0.3120	95.6	0.7850	0.63	05/03/2024

Batch R346899 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	05/07/2024

Batch R346899 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	106.1	90	110	05/07/2024

Batch R346899 SampType: MS Units mg/L

SampID: 24041541-075AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0.006000	95.0	85	115	05/07/2024

Batch R346899 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24041541-075AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0.006000	94.8	0.4810	0.21	05/07/2024

Batch R346971 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	05/08/2024

Batch R346971 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	104.8	90	110	05/08/2024



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Batch R346971		SampType: MS		Units mg/L							Date
SampID: 24050636-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.8	85	115	05/08/2024	

Batch R346971		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050636-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0	95.0	0.4690	1.27	05/08/2024

Batch R346971		SampType: MS		Units mg/L							Date
SampID: 24050666-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.0	85	115	05/08/2024	

Batch R346971		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050666-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.4	0.4600	0.43	05/08/2024	

Batch R346971		SampType: MS		Units mg/L							Date
SampID: 24050679-001GMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05	S	0.42	0.5000	0	84.0	85	115	05/08/2024	

Batch R346971		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050679-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.42	0.5000	0	85.0	0.4200	1.18	05/08/2024

Batch R346971		SampType: MS		Units mg/L							Date
SampID: 24050788-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.46	0.5000	0	92.8	85	115	05/08/2024	

Batch R346971		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24050788-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.46	0.5000	0	93.0	0.4640	0.22	05/08/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R346971		SampType: MS		Units mg/L							Date
SampID: 24050788-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	94.2	85	115	05/08/2024	

Batch R346971		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050788-002BMDS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.6	0.4710	2.52	05/08/2024		

Batch R347917		SampType: MBLK		Units mg/L							Date
SampID: MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	05/28/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	05/28/2024	

Batch R347917		SampType: LCS		Units mg/L							Date
SampID: LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	100.8	90	110	05/28/2024	
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	100.8	90	110	05/28/2024	

Batch R347917		SampType: MS		Units mg/L							Date
SampID: 24052144-002AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05	S	0.44	0.5000	0.05600	76.8	85	115	05/28/2024	

Batch R347917		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24052144-002AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrite (as N)		0.05	S	0.44	0.5000	0.05600	76.8	0.4400	0.00	05/28/2024		

Batch R347917		SampType: MS		Units mg/L							Date
SampID: 24052155-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0.03300	88.6	85	115	05/28/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO2 B (TOTAL) 2000, 2011

Batch R347917		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24052155-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.48	0.5000	0.03300	89.4	0.4760	0.84	05/28/2024

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R346632		SampType: MS		Units mg/L							
SampID: 24041541-012FMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.306	0.2500	0.05500	100.4	85	115	05/01/2024

Batch R346632		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-012FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.296	0.2500	0.05500	96.4	0.3060	3.32	05/01/2024

Batch R346632		SampType: MS		Units mg/L							
SampID: 24050007-008FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.369	0.2500	0.1210	99.2	85	115	05/01/2024	

Batch R346632		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050007-008FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.373	0.2500	0.1210	100.8	0.3690	1.08	05/01/2024

Batch R346632		SampType: MS		Units mg/L							
SampID: 24050031-005CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.202	0.2500	0.01300	75.6	90	110	05/01/2024	

Batch R346632		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050031-005CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	S	0.206	0.2500	0.01300	77.2	0.2020	1.96	05/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R346632		SampType: MS		Units mg/L							Date
SampID: 24050031-007CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.221	0.2500	0.01300	83.2	90	110	05/01/2024	

Batch R346632		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050031-007CMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.210	0.2500	0.01300	78.8	0.2210	5.10	05/01/2024		

Batch R346691		SampType: MS		Units mg/L							Date
SampID: 24050053-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.232	0.2500	0	92.8	90	110	05/02/2024	

Batch R346691		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050053-001CMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.239	0.2500	0	95.6	0.2320	2.97	05/02/2024		

Batch R346793		SampType: MS		Units mg/L							Date
SampID: 24041541-009FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.273	0.2500	0.04500	91.2	85	115	05/03/2024	

Batch R346793		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24041541-009FMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.279	0.2500	0.04500	93.6	0.2730	2.17	05/03/2024		

Batch R346793		SampType: MS		Units mg/L							Date
SampID: 24041541-084FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		1.00		10.1	5.000	5.409	94.7	85	115	05/03/2024	

Batch R346793		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24041541-084FMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		1.00		10.2	5.000	5.409	96.1	10.15	0.65	05/03/2024		



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

Batch R346793		SampType: MS		Units mg/L							Date
SampID: 24050364-001FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.26	0.5000	0.7700	98.6	85	115	05/03/2024	

Batch R346793		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050364-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.24	0.5000	0.7700	94.6	1.263	1.60	05/03/2024

Batch R346793		SampType: MS		Units mg/L							Date
SampID: 24050364-008FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.28	0.5000	0.7900	97.8	85	115	05/03/2024	

Batch R346793		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050364-008FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.31	0.5000	0.7900	103.4	1.279	2.17	05/03/2024

Batch R346903		SampType: MS		Units mg/L							Date
SampID: 24050451-004BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.235	0.2500	0	94.0	85	115	05/07/2024	

Batch R346903		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050451-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.232	0.2500	0	92.8	0.2350	1.28	05/07/2024

Batch R346993		SampType: MS		Units mg/L							Date
SampID: 24041541-018FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.76	0.5000	1.261	100.6	85	115	05/08/2024	

Batch R346993		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-018FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.77	0.5000	1.261	102.6	1.764	0.57	05/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R346549		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						04/30/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	04/30/2024	

Batch R346549		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.512	0.5000	0	102.4	90	110	04/30/2024	

Batch R346549		SampType: MS		Units mg/L							
SampID: 24041541-081AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	2.18	0.5000	1.683	100.4	85	115	04/30/2024	

Batch R346549		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-081AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100	E	2.21	0.5000	1.683	106.0	2.185	1.27	04/30/2024

Batch R346549		SampType: MS		Units mg/L							
SampID: 24042368-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00	S	13.6	5.000	9.192	88.6	90	110	04/30/2024	

Batch R346549		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042368-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		14.0	5.000	9.192	95.4	13.62	2.48	04/30/2024

Batch R346549		SampType: MS		Units mg/L							
SampID: 24042385-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		29.9	12.50	18.28	92.7	90	110	04/30/2024	



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R346632		SampType: MS		Units mg/L							
SampID: 24050045-001DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.100	SE	2.10	0.5000	1.539	112.2	90	110	05/01/2024	

Batch R346632		SampType: MSD		Units mg/L				RPD Limit 10				
SampID: 24050045-001DMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)			0.100	E	2.09	0.5000	1.539	109.8	2.100	0.57	05/01/2024	

Batch R346691		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						05/02/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	05/02/2024	

Batch R346691		SampType: LCS		Units mg/L						
SampID: ICV/LCS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.503	0.5000	0	100.6	90	110	05/02/2024

Batch R346691		SampType: MS		Units mg/L							
SampID: 24050143-001DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.500		2.63	2.500	0	105.3	90	110	05/02/2024	

Batch R346691		SampType: MSD		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 24050143-001DMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)			0.500		2.60	2.500	0	104.0	2.633	1.22	05/02/2024	

Batch R346793		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate (as N)		0.050		< 0.050						05/03/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	05/03/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R346793		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.493	0.5000	0	98.6	90	110	05/03/2024	

Batch R346793		SampType: MS		Units mg/L						
SampID: 24050241-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.237	0.2500	0	94.8	90	110	05/03/2024

Batch R346793		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050241-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.236	0.2500	0	94.4	0.2370	0.42	05/03/2024

Batch R346793		SampType: MS		Units mg/L						
SampID: 24050288-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.17	1.250	2.035	90.8	90	110	05/03/2024

Batch R346793		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050288-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.250		3.21	1.250	2.035	93.7	3.170	1.13	05/03/2024

Batch R346903		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)			0.050		< 0.050						05/07/2024
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	05/07/2024

Batch R346903		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.507	0.5000	0	101.4	90	110	05/07/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R346903		SampType: MS		Units mg/L							
SampID: 24041541-074AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.244	0.2500	0	97.6	85	115	05/07/2024	

Batch R346903		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-074AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.245	0.2500	0	98.0	0.2440	0.41	05/07/2024

Batch R346903		SampType: MS		Units mg/L							
SampID: 24050493-001BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.196	0.2500	0.04500	60.4	85	115	05/07/2024	

Batch R346903		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050493-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	S	0.195	0.2500	0.04500	60.0	0.1960	0.51	05/07/2024

Batch R346993		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate (as N)			0.050		< 0.050						05/08/2024
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	05/08/2024

Batch R346993		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.501	0.5000	0	100.2	90	110	05/08/2024	

Batch R346993		SampType: MS		Units mg/L							
SampID: 24050328-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		10.5	5.000	5.666	96.0	90	110	05/08/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R346993		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050328-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		10.5	5.000	5.666	97.2	10.47	0.59	05/08/2024

Batch R346993		SampType: MS		Units mg/L							
SampID: 24050614-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		9.22	5.000	4.682	90.8	90	110	05/08/2024	

Batch R346993		SampType:	MSD		Units mg/L					RPD Limit 10		Date Analyzed	
SampID: 24050614-002CMSD													
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)				1.00			9.31	5.000	4.682	92.5	9.220	0.95	05/08/2024

Batch R346993		SampType: MS		Units mg/L							
SampID: 24050633-001AMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.22	0.5000	0.7600	92.4	90	110	05/08/2024

Batch R346993		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24050633-001AMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)				0.100		1.22	0.5000	0.7600	92.8	1.222	0.16	05/08/2024

Batch R346993		SampType: MS		Units mg/L							
SampID: 24050666-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		5.00		41.3	25.00	17.60	94.8	90	110	05/08/2024	

Batch R346993		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24050666-001AMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)				5.00		41.2	25.00	17.60	94.4	41.30	0.25	05/08/2024

Batch R346993		SampType: MS		Units mg/L							
SampID: 24050679-001GMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.266	0.2500	0.04300	89.2	85	115	05/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R346993		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050679-001GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.264	0.2500	0.04300	88.4	0.2660	0.75		
05/08/2024											

Batch R346993		SampType: MS		Units mg/L						
SampID: 24050788-012BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.211	0.2500	0.02000	76.4	85	115	05/08/2024

Batch R346993		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050788-012BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	S	0.218	0.2500	0.02000	79.2	0.2110	3.26	05/08/2024

Batch R347067		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)			0.050		< 0.050						05/09/2024
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	05/09/2024

Batch R347067		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.483	0.5000	0	96.6	90	110	05/09/2024	

Batch R347067		SampType: MS		Units mg/L							
SampID: 24041541-042AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.267	0.2500	0.03700	92.0	85	115	05/09/2024	

Batch R347067		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-042AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.273	0.2500	0.03700	94.4	0.2670	2.22	05/09/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R347067		SampType: MS		Units mg/L						
SampID: 24050788-007BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.226	0.2500	0	90.4	85	115	05/09/2024

Batch R347067		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050788-007BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.228	0.2500	0	91.2	0.2260	0.88	05/09/2024

Batch R347067		SampType: MS		Units mg/L							
SampID: 24050788-015BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.251	0.2500	0.01500	94.4	85	115	05/09/2024	

Batch R347067		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050788-015BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.254	0.2500	0.01500	95.6	0.2510	1.19	05/09/2024

Batch R347067		SampType: MS		Units mg/L							
SampID: 24050817-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.425	0.2500	0.1870	95.2	90	110	05/09/2024	

Batch R347067		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050817-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.429	0.2500	0.1870	96.8	0.4250	0.94	05/09/2024

Batch R347925		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)			0.050		< 0.050						05/28/2024
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	05/28/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 4500-NO3 F (TOTAL) 2000, 2011

Batch R347925		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.509	0.5000	0	101.8	90	110	05/28/2024	

Batch R347925		SampType: MS		Units mg/L						
SampID: 24052107-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.05		0.24	0.2500	0	94.4	90	110	05/28/2024

Batch R347925		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24052107-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.05		0.24	0.2500	0	96.8	0.2360	2.51	05/28/2024

Batch R347925		SampType: MS		Units mg/L						
SampID: 24052144-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		2.50		31.0	12.50	18.09	103.3	90	110	05/28/2024

Batch R347925		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24052144-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			2.50		30.5	12.50	18.09	99.0	31.00	1.74	05/28/2024

STANDARD METHODS 5210 B 2001, 2011

Batch 222730		SampType: LCS		Units mg/L							
SampID: LCS-BOD-1-050924											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Biochemical Oxygen Demand		100		198	198.0	0	100.0	84.6	115.4	05/09/2024	

Batch 222730		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 24050756-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand			50		585				615.0	5.00	05/09/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 5210 B 2001, 2011

Batch 222730		SampType:	DUP		Units mg/L				RPD Limit 40		
SampID: 24050794-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand			10		46				47.00	2.15	05/09/2024

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R347025		SampType: MBLK		Units mg/L							
SampID: MBLK										Date	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chemical Oxygen Demand		50		< 50	17.00	0	0	-100	100	05/09/2024	

Batch	R347025	SampType:	LCS	Units mg/L								
SampID: LCS											Date	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed		
Chemical Oxygen Demand		50		111	112.0	0	99.2	90	110	05/09/2024		

Batch	R347025	SampType:	MS	Units								mg/L
SampID: 24041541-082KMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Chemical Oxygen Demand		100		1200	1000	253.2	94.4	85	115	05/09/2024		

Batch R347025		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-082KMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand				100		1160	1000	253.2	90.5	1198	3.34	05/09/2024

Batch R347025		SampType: MS		Units mg/L							
SampID: 24050715-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chemical Oxygen Demand		100		1830	1000	808.7	101.9	90	110	05/09/2024	

Batch	R347025	SampType:	MSD	Units					mg/L	RPD Limit			10
SampID: 24050715-001CMSD													
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chemical Oxygen Demand			100		1810	1000	808.7	100.6	1827	0.72	05/09/2024		



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R347025		SampType: MS		Units mg/L							Date
SampID: 24050740-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chemical Oxygen Demand		100		1210	1000	141.7	106.5	90	110	05/09/2024	

Batch R347025		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050740-001BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chemical Oxygen Demand		100		1200	1000	141.7	106.0	1206	0.36	05/09/2024		

Batch R347103		SampType: MBLK		Units mg/L							Date
SampID: MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chemical Oxygen Demand		50		< 50	17.00	0	0	-100	100	05/10/2024	

Batch R347103		SampType: LCS		Units mg/L							Date
SampID: LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chemical Oxygen Demand		50		115	112.0	0	103.1	90	110	05/10/2024	

Batch R347103		SampType: MS		Units mg/L							Date
SampID: 24050834-001DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chemical Oxygen Demand		100		1020	1000	0	101.8	90	110	05/10/2024	

Batch R347103		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050834-001DMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chemical Oxygen Demand		100		1020	1000	0	102.3	1018	0.43	05/10/2024		

Batch R347103		SampType: MS		Units mg/L							Date
SampID: 24050900-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chemical Oxygen Demand		100		1280	1000	200.7	107.6	90	110	05/10/2024	

Batch R347103		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050900-001CMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chemical Oxygen Demand		100		1220	1000	200.7	101.9	1276	4.56	05/10/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7196A

Batch R346973		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Chromium, Hexavalent			0.0010		< 0.0010	0.0004	0	0	-100	100	05/08/2024

Batch R346973		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent			0.0010		0.0539	0.0500	0	107.8	90	110	05/08/2024

Batch R346973		SampType: MS		Units µg/L							
SampID: 24041541-082FMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Chromium, Hexavalent			5.00		255	250.0	3.000	100.8	85	115	
											05/09/2024

Batch R346973		SampType: MS		Units µg/L							
SampID: 24041541-095FMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent			1.00		54.8	50.00	0	109.6	85	115	05/08/2024

Batch R346973		SampType: MSD		Units µg/L				RPD Limit 10			Date Analyzed
SampID: 24041541-095FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chromium, Hexavalent			1.00		51.7	50.00	0	103.4	54.80	5.82	05/08/2024

Batch R346973		SampType: MS		Units µg/L							
SampID: 24041541-101FMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent			1.00		54.9	50.00	0.6000	108.6	85	115	05/08/2024

Batch R346973		SampType: MS		Units mg/L							
SampID: 24050605-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium, Hexavalent	*	0.0010		0.0548	0.0500	0.001500	106.6	85	115	05/08/2024	

Batch R346973		SampType: MS		Units mg/L							
SampID: 24050663-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium, Hexavalent		0.0010		0.0532	0.0500	0	106.4	85	115	05/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9012A (TOTAL)

Batch 222268		SampType: MBLK		Units mg/L							
SampID: MBLK 240430 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/01/2024	

Batch 222268		SampType: LCS		Units mg/L							
SampID: LCS 240430 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	102.8	90	110	05/01/2024	

Batch 222333		SampType: MBLK		Units mg/L							
SampID: MBLK 240501 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/02/2024	

Batch 222333		SampType: LCS		Units mg/L							
SampID: LCS 240501 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	103.9	90	110	05/02/2024	

Batch 222333		SampType: MS		Units mg/L							
SampID: 24050044-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.025	0.0250	0.002715	87.4	90	110	05/02/2024	

Batch 222333		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050044-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.024	0.0250	0.002715	85.4	0.02456	2.06	05/02/2024

Batch 222401		SampType: MBLK		Units mg/L							
SampID: MBLK 240502 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/03/2024	

Batch 222401		SampType: LCS		Units mg/L							
SampID: LCS2 240502 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	99.6	90	110	05/06/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9012A (TOTAL)

Batch 222402		SampType: MBLK		Units mg/L							
SampID: MBLK 240502 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/03/2024	

Batch 222402		SampType: LCS		Units mg/L							
SampID: LCS 240502 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	96.8	90	110	05/03/2024	

Batch 222402		SampType: MS		Units µg/L							
SampID: 24050135-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		5.00	S	20.0	25.00	0	80.0	90	110	05/03/2024	

Batch 222402		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050135-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			5.00	S	18.6	25.00	0	74.3	20.00	7.41	05/03/2024

Batch 222402		SampType: MS		Units mg/L							
SampID: 24050189-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.025		0.133	0.1250	0.009825	98.9	90	110	05/03/2024	

Batch 222402		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050189-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.025		0.135	0.1250	0.009825	100.4	0.1334	1.41	05/03/2024

Batch 222452		SampType: MBLK		Units mg/L							
SampID: MBLK 240503 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/06/2024	

Batch 222452		SampType: LCS		Units mg/L							
SampID: LCS 240503 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	101.3	90	110	05/06/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9012A (TOTAL)

Batch 222452		SampType: MS		Units mg/L						
SampID: 24050175-001EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.500	S	2.47	0.0250	2.491	-98.3	90	110	05/08/2024

Batch 222452		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050175-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.500	S	2.54	0.0250	2.491	207.7	2.466	3.05	05/08/2024

Batch 222452		SampType: MS		Units mg/L							
SampID: 24050260-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.029	0.0250	0.004480	98.5	90	110	05/06/2024	

Batch 222452		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050260-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.028	0.0250	0.004480	95.0	0.02911	3.03	05/06/2024

Batch 222453		SampType: MBLK		Units mg/L							
SampID: MBLK 240503 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/06/2024	

Batch 222453		SampType: LCS		Units mg/L							
SampID: LCS 240503 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	103.7	90	110	05/06/2024	

Batch 222453		SampType: MS		Units mg/L							Date Analyzed
SampID: 24041541-040EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005	S	0.012	0.0250	0	46.7	75	125	05/06/2024	

Batch 222453		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-040EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	JS	0.004	0.0250	0	17.1	0.01166	0.00	05/06/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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Batch 222564		SampType: MBLK		Units mg/L							
SampID: MBLK 240506 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/07/2024	

Batch 222564		SampType: LCS		Units mg/L							
SampID: LCS 240506 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	100.6	90	110	05/07/2024	

Batch 222564		SampType: MS		Units mg/L							
SampID: 24041541-009HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	102.6	75	125	05/07/2024	

Batch 222564		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-009HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.026	0.0250	0	106.0	0.02564	3.28	05/07/2024

Batch 222628		SampType: MBLK		Units mg/L							
SampID: MBLK 240507 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/08/2024	

Batch 222628		SampType: LCS		Units mg/L							
SampID: LCS 240507 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.028	0.0250	0	111.1	90	110	05/08/2024	

Batch 222628		SampType: LCS		Units mg/L							
SampID: LCS2 240507 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.028	0.0250	0	112.5	90	110	05/09/2024	

Batch 222628		SampType: MS		Units mg/L							
SampID: 24050451-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.027	0.0250	0	106.7	75	125	05/08/2024	



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Client Project: COF-24Q2

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SW-846 9012A (TOTAL)

Batch 222628		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050451-002DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	101.2	0.02668	5.31	05/08/2024	

Batch 222628		SampType: MS		Units mg/L							
SampID: 24050451-006DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.025	0.0250	0	100.4	75	125	05/08/2024	

Batch 222628		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24050451-006DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Cyanide			0.005		0.028	0.0250	0	110.0	0.02510	9.14	05/08/2024

Batch 222698		SampType: MBLK		Units mg/L							
SampID: MBLK 240508 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/09/2024	

Batch 222698		SampType: LCS		Units mg/L							
SampID: LCS 240508 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.027	0.0250	0	108.7	90	110	05/09/2024	

Batch 222698		SampType: MS		Units mg/L							
SampID: 24050536-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	94.5	90	110	05/09/2024	

Batch 222698		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050536-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.020	0.0250	0	81.4	0.02362	14.89	05/09/2024

Batch 222815		SampType: MBLK		Units mg/L							
SampID: MBLK 240510 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	05/14/2024	



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Client Project: COF-24Q2

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Batch 222815		SampType: LCS		Units mg/L							
SampID: LCS 240510 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	99.3	90	110	05/14/2024	

Batch 222815		SampType: MS		Units mg/L						
SampID: 24050830-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		0.133	0.1250	0.01432	95.2	90	110	05/14/2024

Batch 222815		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050830-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.025		0.140	0.1250	0.01432	100.7	0.1334	4.97	05/14/2024	

SW-846 9036 (DISSOLVED)

Batch R346635		SampType: MS		Units mg/L						
SampID: 24041541-031BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20		68	40.00	31.35	92.8	85	115	05/02/2024

Batch R346635		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24041541-031BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20		69	40.00	31.35	95.3	68.46	1.48	05/02/2024

Batch R346635		SampType: MS		Units mg/L							
SampID: 24042088-010CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		27	20.00	8.280	95.1	85	115	05/01/2024	

Batch R346635		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24042088-010CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		27	20.00	8.280	95.8	27.30	0.48	05/01/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9036 (DISSOLVED)

Batch R346635		SampType: MS		Units mg/L							Date
SampID: 24042186-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	49	20.00	35.56	66.5	85	115	05/01/2024	

Batch R346635		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24042186-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Sulfate			10	S	49	20.00	35.56	66.8	48.86	0.12	05/01/2024

Batch R346635		SampType: MS		Units mg/L							Date
SampID: 24042262-003FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		74	40.00	34.96	98.4	85	115	05/01/2024	

Batch R346635		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042262-003FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20		74	40.00	34.96	97.0	74.30	0.76	05/01/2024

Batch R346635		SampType: MS		Units mg/L							Date
SampID: 24042262-006FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		208	100.0	115.6	92.0	85	115	05/01/2024	

Batch R346635		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042262-006FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		206	100.0	115.6	90.8	207.6	0.57	05/01/2024

Batch R346706		SampType: MS		Units mg/L							Date
SampID: 24041541-010FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20	SE	107	40.00	79.07	70.6	85	115	05/02/2024	

Batch R346706		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-010FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20	SE	109	40.00	79.07	75.8	107.3	1.93	05/02/2024



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Client Project: COF-24Q2

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Batch R346706		SampType: MS		Units mg/L							Date
SampID: 24041541-090FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		97	40.00	60.50	92.2	85	115	05/03/2024	

Batch R346706		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24041541-090FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		20		98	40.00	60.50	93.3	97.39	0.42	05/03/2024		

Batch R346843		SampType: MS		Units mg/L							Date
SampID: 24041541-007FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		207	100.0	112.8	94.2	85	115	05/07/2024	

Batch R346843		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24041541-007FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		215	100.0	112.8	102.4	207.1	3.85	05/07/2024		

Batch R346843		SampType: MS		Units mg/L							Date
SampID: 24041541-025BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		175	100.0	84.53	90.4	85	115	05/06/2024	

Batch R346843		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24041541-025BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		178	100.0	84.53	93.6	174.9	1.85	05/06/2024		

Batch R346843		SampType: MS		Units mg/L							Date
SampID: 24041541-045BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		200		898	400.0	516.5	95.3	85	115	05/06/2024	

Batch R346843		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24041541-045BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		200		916	400.0	516.5	99.9	897.5	2.04	05/06/2024		



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SW-846 9036 (DISSOLVED)

Batch R346843		SampType: MS		Units mg/L							Date
SampID: 24042163-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		36	20.00	17.40	91.8	90	110	05/06/2024	

Batch R346843		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24042163-001AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		36	20.00	17.40	95.4	35.76	1.97	05/06/2024		

Batch R346843		SampType: MS		Units mg/L							Date
SampID: 24050031-005CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	19	20.00	7.640	57.5	85	115	05/07/2024	

Batch R346843		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050031-005CMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	S	20	20.00	7.640	60.7	19.14	3.29	05/07/2024		

Batch R346843		SampType: MS		Units mg/L							Date
SampID: 24050053-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	20	20.00	9.080	52.1	85	115	05/07/2024	

Batch R346843		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050053-001CMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	S	21	20.00	9.080	59.6	19.50	7.45	05/07/2024		

Batch R346932		SampType: MS		Units mg/L							Date
SampID: 24050138-002DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		34	20.00	16.22	90.6	85	115	05/08/2024	

Batch R346932		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050138-002DMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		35	20.00	16.22	92.7	34.33	1.24	05/08/2024		



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Client Project: COF-24Q2

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Batch R346932		SampType: MS		Units mg/L							Date
SampID: 24050364-004FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		41	20.00	22.24	93.3	85	115	05/07/2024	

Batch R346932		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050364-004FMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		41	20.00	22.24	94.1	40.90	0.39	05/07/2024		

Batch R346932		SampType: MS		Units mg/L							Date
SampID: 24050364-010FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		155	100.0	64.68	90.1	85	115	05/07/2024	

Batch R346932		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050364-010FMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		154	100.0	64.68	89.2	154.8	0.54	05/07/2024		

Batch R347057		SampType: MS		Units mg/L							Date
SampID: 24041541-027BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		206	100.0	103.7	102.5	85	115	05/09/2024	

Batch R347057		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24041541-027BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		208	100.0	103.7	104.7	206.2	1.08	05/09/2024		

Batch R347057		SampType: MS		Units mg/L							Date
SampID: 24041541-042BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		93	40.00	54.70	96.3	85	115	05/09/2024	

Batch R347057		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24041541-042BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		20		95	40.00	54.70	100.8	93.21	1.94	05/09/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R347057		SampType: MS		Units mg/L							Date
SampID: 24050451-006BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		48	20.00	30.38	86.8	85	115	05/09/2024	

Batch R347057		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050451-006BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		48	20.00	30.38	89.8	47.73	1.29	05/09/2024		

Batch R347057		SampType: MS		Units mg/L							Date
SampID: 24050464-001FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		237	100.0	140.4	96.8	85	115	05/09/2024	

Batch R347057		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050464-001FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		242	100.0	140.4	101.9	237.2	2.09	05/09/2024		

Batch R347112		SampType: MS		Units mg/L							Date
SampID: 24050493-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	SE	53	20.00	40.00	64.5	90	110	05/10/2024	

Batch R347112		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050493-001CMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	SE	53	20.00	40.00	65.7	52.90	0.45	05/10/2024		

Batch R347112		SampType: MS		Units mg/L							Date
SampID: 24050583-004BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		220	100.0	126.8	93.1	85	115	05/10/2024	

Batch R347112		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050583-004BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		225	100.0	126.8	98.4	219.9	2.40	05/10/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050001-010CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		241	100.0	141.6	99.2	85	115	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050001-010CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		246	100.0	141.6	103.9	240.8	1.91	05/14/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050646-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		49	20.00	30.07	93.4	90	110	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050646-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10		48	20.00	30.07	91.5	48.75	0.78	05/14/2024	

Batch R347372		SampType: MS		Units mg/L							
SampID: 24050819-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		42	20.00	23.20	94.0	90	110	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050819-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		43	20.00	23.20	99.1	41.99	2.42	05/16/2024

Batch R347512		SampType: MS		Units mg/L							
SampID: 24050887-005CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		178	100.0	87.25	90.9	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050887-005CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		187	100.0	87.25	99.5	178.2	4.73	05/17/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

Batch R347512		SampType: MS		Units mg/L							Date
SampID: 24050907-001FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	29	20.00	13.10	81.6	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050907-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	S	30	20.00	13.10	83.3	29.41	1.18	05/17/2024

Batch R347512		SampType: MS		Units mg/L							Date
SampID: 24050975-004BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		199	100.0	104.8	94.2	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050975-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Sulfate			50		199	100.0	104.8	94.6	199.0	0.22	05/17/2024

Batch R347512		SampType: MS		Units mg/L							Date
SampID: 24050976-003FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50	E	264	100.0	166.4	98.0	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050976-003FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50	E	260	100.0	166.4	93.8	264.5	1.64	05/17/2024

Batch R347512		SampType: MS		Units mg/L							Date
SampID: 24050976-007FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		213	100.0	118.0	95.1	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050976-007FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		221	100.0	118.0	102.7	213.1	3.52	05/17/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9036 (DISSOLVED)

Batch R347512		SampType: MS		Units mg/L						
SampID: 24050979-002CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10	S	31	20.00	14.35	83.3	85	115	05/17/2024

Batch R347512		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050979-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Sulfate			10		32	20.00	14.35	86.2	31.01	1.82	05/17/2024

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Batch R346635		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	05/01/2024	

Batch R346635		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate			10		18	20.00	0	90.2	90	110	05/01/2024

Batch R346635		SampType: MS		Units mg/L							
SampID: 24041541-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		66	40.00	31.81	86.2	85	115	05/02/2024	

Batch R346635		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24041541-031AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Sulfate			20		68	40.00	31.81	89.4	66.31	1.87	05/02/2024

Batch R346635		SampType: MS		Units mg/L							
SampID: 24042088-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	23	20.00	0	116.9	85	115	05/01/2024	



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Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9036 (TOTAL)

Batch R346635		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042088-010BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	S	23	20.00	0	116.6	23.38	0.21	05/01/2024

Batch R346635		SampType: MS		Units mg/L							
SampID: 24042193-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		41	20.00	23.14	89.1	85	115	05/01/2024	

Batch R346635		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042193-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		41	20.00	23.14	91.4	40.96	1.12	05/01/2024

Batch R346635		SampType: MS		Units mg/L							
SampID: 24042357-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	50	20.00	37.08	62.4	85	115	05/02/2024	

Batch R346635		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042357-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	SE	50	20.00	37.08	66.8	49.57	1.74	05/02/2024

Batch R346635		SampType: MS		Units mg/L							
SampID: 24042384-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	24	20.00	6.850	86.4	90	110	05/01/2024	

Batch R346635		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042384-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		25	20.00	6.850	91.8	24.13	4.34	05/01/2024

Batch R346706		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	05/02/2024	



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Client Project: COF-24Q2

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SW-846 9036 (TOTAL)

Batch R346706		SampType: LCS		Units mg/L						
SampID: ICV/LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		19	20.00	0	96.9	90	110	05/02/2024

Batch R346706		SampType: MS		Units mg/L							
SampID: 24041541-033AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		278	200.0	105.3	86.4	85	115	05/03/2024	

Batch R346706		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24041541-033AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		292	200.0	105.3	93.2	278.1	4.74	05/03/2024

Batch R346706		SampType: MS		Units mg/L							
SampID: 24042186-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	101.8	85	115	05/02/2024	

Batch R346706		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042186-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		21	20.00	0	106.2	20.35	4.28	05/02/2024

Batch R346706		SampType: MS		Units mg/L							
SampID: 24042406-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		39	20.00	18.04	104.0	85	115	05/02/2024	

Batch R346706		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24042406-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		39	20.00	18.04	105.2	38.83	0.67	05/02/2024

Batch R346706		SampType: MS		Units mg/L							
SampID: 24042406-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200		793	400.0	392.1	100.1	85	115	05/02/2024	



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Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

Batch R346706		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 24042406-006AMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		200		804	400.0	392.1	102.9	792.6	1.41	05/02/2024	

Batch R346706		SampType: MS		Units mg/L							Date
SampID: 24042406-011AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		31	20.00	12.12	95.2	85	115	05/02/2024	

Batch R346706		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 24042406-011AMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		10		32	20.00	12.12	98.6	31.17	2.13	05/02/2024	

Batch R346843		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	05/06/2024	

Batch R346843		SampType: LCS		Units mg/L							Date
SampID: ICB/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		20	20.00	0	98.0	90	110	05/06/2024	

Batch R346843		SampType: MS		Units mg/L							Date
SampID: 24041541-025AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		176	100.0	80.06	95.9	85	115	05/06/2024	

Batch R346843		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 24041541-025AMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		50		186	100.0	80.06	105.6	176.0	5.36	05/06/2024	

Batch R346843		SampType: MS		Units mg/L							Date
SampID: 24041541-045AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		200		874	400.0	477.2	99.2	85	115	05/06/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9036 (TOTAL)

Batch R346843		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24041541-045AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			200		895	400.0	477.2	104.3	874.1	2.32	05/06/2024	

Batch R346843		SampType: MS		Units mg/L							
SampID: 24042163-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		36	20.00	17.35	92.2	90	110	05/06/2024	

Batch R346843		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24042163-001CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			10		36	20.00	17.35	94.6	35.79	1.30	05/06/2024	

Batch R346843		SampType: MS		Units mg/L							
SampID: 24050031-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	19	20.00	7.900	57.1	85	115	05/07/2024	

Batch R346843		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050031-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	S	20	20.00	7.900	58.4	19.32	1.39	05/07/2024

Batch R346843		SampType: MS		Units mg/L							
SampID: 24050053-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	21	20.00	9.700	54.8	85	115	05/07/2024	

Batch R346843		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050053-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	S	20	20.00	9.700	53.0	20.66	1.76	05/07/2024

Batch R346932		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	05/07/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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Batch R346932		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		20	20.00	0	98.1	90	110	05/07/2024	

Batch R346932		SampType: MS		Units mg/L							
SampID: 24041541-007EMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		50		212	100.0	121.6	90.8	85	115	05/07/2024	

Batch R346932		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24041541-007EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		215	100.0	121.6	93.6	212.5	1.28	05/07/2024

Batch R346932		SampType: MS		Units mg/L							
SampID: 24050139-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		36	20.00	18.62	89.0	85	115	05/07/2024	

Batch R346932		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24050139-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		37	20.00	18.62	91.8	36.42	1.55	05/07/2024

Batch R346932		SampType: MS		Units mg/L							
SampID: 24050140-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		48	20.00	29.22	93.2	85	115	05/08/2024	

Batch R346932		SampType: MSD		Units mg/L				RPD Limit 10				
SampID: 24050140-004AMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			10		48	20.00	29.22	95.6	47.86	1.00	05/08/2024	

Batch R346932		SampType: MS		Units mg/L							
SampID: 24050369-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		215	100.0	121.8	92.7	85	115	05/07/2024	



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Client Project: COF-24Q2

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Batch R346932		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050369-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		214	100.0	121.8	91.8	214.6	0.43	05/07/2024

Batch R347057		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	05/09/2024	

Batch R347057		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		20	20.00	0	100.8	90	110	05/09/2024	

Batch R347057		SampType: MS		Units mg/L							
SampID: 24041541-027AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	S	195	100.0	110.2	84.5	85	115	05/10/2024	

Batch R347057		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-027AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		200	100.0	110.2	90.2	194.7	2.89	05/10/2024

Batch R347057		SampType: MS		Units mg/L							
SampID: 24041541-042AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		92	40.00	55.55	91.7	85	115	05/10/2024	

Batch R347057		SampType: MSD		Units mg/L		RPD Limit 10					
SampID: 24041541-042AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20		94	40.00	55.55	97.1	92.23	2.30	05/10/2024

Batch R347057		SampType: MS		Units mg/L							
SampID: 24050131-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200	SEH	1040	400.0	712.8	82.6	90	110	05/10/2024	



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Batch R347057		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050131-007AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		200	EH	1080	400.0	712.8	91.2	1043	3.24	05/10/2024	

Batch R347057		SampType: MS		Units mg/L							
SampID: 24050273-004AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		43	20.00	24.34	92.7	85	115	05/09/2024	

Batch R347057		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050273-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		43	20.00	24.34	94.5	42.87	0.86	05/09/2024

Batch R347112		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	05/10/2024	

Batch R347112		SampType: MBLK		Units mg/L							
SampID: MBLK-181812											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate	*	10		< 10	6.140	0	0	-100	100	05/10/2024	

Batch R347112		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	94.2	90	110	05/10/2024	

Batch R347112		SampType: MS		Units mg/L							
SampID: 24041541-100AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		333	200.0	155.1	89.0	85	115	05/11/2024	

Batch R347112		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-100AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		336	200.0	155.1	90.6	333.2	0.95	05/11/2024



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Batch R347112		SampType: MS		Units mg/L							Date
SampID: 24050352-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		158	100.0	66.70	90.8	90	110	05/10/2024	

Batch R347112		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050352-001BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		159	100.0	66.70	92.4	157.5	1.00	05/10/2024		

Batch R347112		SampType: MS		Units mg/L							Date
SampID: 24050482-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		48	20.00	29.02	94.4	85	115	05/10/2024	

Batch R347112		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050482-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		50	20.00	29.02	103.6	47.89	3.79	05/10/2024		

Batch R347112		SampType: MS		Units mg/L							Date
SampID: 24050590-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		5000		16300	10000	7151	91.6	90	110	05/10/2024	

Batch R347112		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050590-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		5000		17000	10000	7151	98.7	16310	4.25	05/10/2024		

Batch R347112		SampType: MS		Units mg/L							Date
SampID: 24050891-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	SE	51	20.00	40.16	55.6	85	115	05/10/2024	

Batch R347112		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050891-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	SE	51	20.00	40.16	56.6	51.29	0.39	05/10/2024		



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Batch R347268		SampType: MBLK		Units mg/L						
SampID: ICB/MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		10		< 10	6.140	0	0	-100	100	05/14/2024

Batch R347268		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		18	20.00	0	91.4	90	110	05/14/2024	

Batch R347268		SampType: MS		Units mg/L						
SampID: 24041541-092AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		200		963	400.0	584.2	94.7	85	115	05/14/2024

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24041541-092AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			200		959	400.0	584.2	93.7	962.9	0.42	05/14/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050001-011BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	25	20.00	10.87	71.7	85	115	05/15/2024	

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050001-011BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	S	25	20.00	10.87	69.2	25.21	1.96	05/15/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050002-003AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	28	20.00	12.03	80.2	85	115	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050002-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	S	28	20.00	12.03	80.5	28.07	0.21	05/14/2024



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Batch R347268		SampType: MS		Units mg/L						
SampID: 24050634-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	56	40.00	22.50	84.7	85	115	05/15/2024

Batch R347268		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24050634-002AMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		20		58	40.00	22.50	87.9	56.37	2.26				05/15/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050646-001BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10	S	48	20.00	30.53	88.0	90	110	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24050646-001BMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		10	S	48	20.00	30.53	87.8	48.13	0.06				05/14/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050795-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		161	100.0	67.26	94.0	90	110	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24050795-001AMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		50		161	100.0	67.26	93.6	161.2	0.27				05/14/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050795-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		154	100.0	62.59	91.0	90	110	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24050795-007AMSD												Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Sulfate		50	S	150	100.0	62.59	87.0	153.6	2.67				05/14/2024



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Batch R347268		SampType: MS		Units mg/L							Date
SampID: 24051090-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		145	100.0	56.17	88.6	85	115	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051090-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		144	100.0	56.17	88.2	144.7	0.24	05/14/2024		

Batch R347372		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	05/15/2024	

Batch R347372		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		18	20.00	0	90.3	90	110	05/15/2024	

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050788-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		32	20.00	13.98	89.8	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050788-002BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		32	20.00	13.98	91.4	31.94	1.03	05/15/2024		

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050788-012BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		100		329	200.0	146.5	91.1	85	115	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050788-012BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		100		331	200.0	146.5	92.2	328.7	0.65	05/16/2024		



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Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050819-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		43	20.00	24.35	91.4	90	110	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050819-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		43	20.00	24.35	93.4	42.64	0.91	05/16/2024

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050905-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		39	20.00	19.90	95.5	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050905-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		40	20.00	19.90	99.3	39.00	1.93	05/15/2024

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		37	20.00	17.92	93.6	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		38	20.00	17.92	99.2	36.63	3.06	05/15/2024

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-011AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		73	40.00	35.53	94.1	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-011AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		20		76	40.00	35.53	100.0	73.17	3.19	05/15/2024	



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Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-018AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		86	40.00	48.86	93.4	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050906-018AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		20		89	40.00	48.86	100.1	86.21	3.06	05/15/2024		

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-021AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	25	20.00	8.010	83.2	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050906-021AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		25	20.00	8.010	86.5	24.64	2.64	05/15/2024		

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-031AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		37	20.00	18.12	93.2	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050906-031AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		37	20.00	18.12	96.6	36.77	1.78	05/15/2024		

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24051000-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		45	20.00	25.83	97.0	85	115	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051000-001BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		46	20.00	25.83	101.4	45.24	1.88	05/16/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24051000-010BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		35	20.00	17.50	89.4	85	115	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051000-010BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		36	20.00	17.50	93.0	35.39	2.01	05/16/2024		

Batch R347512		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	05/17/2024	

Batch R347512		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		19	20.00	0	94.1	90	110	05/17/2024	

Batch R347512		SampType: MS		Units mg/L							Date
SampID: 24050907-001EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	30	20.00	13.17	84.2	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050907-001EMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	S	29	20.00	13.17	81.6	30.01	1.75	05/17/2024		

Batch R347512		SampType: MS		Units mg/L							Date
SampID: 24051437-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	SE	59	20.00	45.65	68.2	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051437-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	SE	59	20.00	45.65	66.0	59.28	0.71	05/17/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9060A

Batch R347237		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	05/13/2024	

Batch R347237		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		4.9	5.000	0	98.6	90	110	05/13/2024	

Batch R347237		SampType: MS		Units mg/L							
SampID: 24050001-003IMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Organic Carbon (TOC)		1.0		8.6	5.000	3.590	99.6	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050001-003IMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		8.9	5.000	3.590	106.0	8.570	3.67	05/13/2024

Batch R347237		SampType: MS		Units mg/L							
SampID: 24050001-006IMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		9.4	5.000	4.350	100.2	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050001-006IMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		9.2	5.000	4.350	97.2	9.360	1.62	05/13/2024

Batch R347237		SampType: MS		Units mg/L							
SampID: 24050633-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.3	5.000	0	105.6	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050633-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		5.3	5.000	0	106.2	5.280	0.57	05/13/2024



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
Report Date: 17-Jun-24

SW-846 9060A

Batch R347237		SampType: MS		Units mg/L							Date
SampID: 24050633-006DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.0	5.000	0.9700	101.4	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050633-006DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		5.8	5.000	0.9700	96.4	6.040	4.23	05/13/2024

Batch R347237		SampType: MS		Units mg/L							Date
SampID: 24050906-001DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.4	5.000	1.510	97.6	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		6.6	5.000	1.510	102.0	6.390	3.38	05/13/2024

Batch R347237		SampType: MS		Units mg/L							Date
SampID: 24050906-005DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.2	5.000	1.380	96.8	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-005DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		6.3	5.000	1.380	98.2	6.220	1.12	05/13/2024

Batch R347237		SampType: MS		Units mg/L							Date
SampID: 24050906-020DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.2	5.000	1.410	96.6	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-020DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		6.1	5.000	1.410	94.2	6.240	1.94	05/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9060A

Batch R347237		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050655-008BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0	J	0.6				0.7600	0.00	05/13/2024

SW-846 9066 (TOTAL)

Batch R346796		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/03/2024	

Batch R346796		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Phenols			0.005		0.054	0.0500	0	107.1	90	110	
											05/03/2024

Batch R346796		SampType: MS		Units mg/L							
SampID: 24050028-001GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.055	0.0500	0	109.6	90	110	05/03/2024	

Batch R346796		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050028-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.054	0.0500	0	108.5	0.05478	0.95	05/03/2024

Batch R346796		SampType: MS		Units mg/L							
SampID: 24050080-002EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.053	0.0500	0	106.9	90	110	05/03/2024	

Batch R346796		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24050080-002EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.054	0.0500	0	107.2	0.05343	0.35	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R346796		SampType: MS		Units mg/L							Date
SampID: 24050186-001DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.050	0.0500	0	99.0	90	110	05/03/2024	

Batch R346796		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24050186-001DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Phenols		0.005		0.052	0.0500	0	103.6	0.04951	4.54	05/03/2024	

Batch R346796		SampType: MS		Units mg/L							Date
SampID: 24050237-002DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.071	0.0500	0.02125	99.1	90	110	05/03/2024	

Batch R346796		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050237-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.074	0.0500	0.02125	105.0	0.07081	4.05	05/03/2024

Batch R347059		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/07/2024	

Batch R347059		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.051	0.0500	0	102.5	90	110	05/07/2024	

Batch R347059		SampType: MS		Units mg/L							Date
SampID: 24050334-010AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.025		0.285	0.2500	0.02831	102.6	90	110	05/07/2024	

Batch R347059		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050334-010AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.025		0.300	0.2500	0.02831	108.8	0.2848	5.31	05/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347189		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/13/2024	

Batch R347189		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.052	0.0500	0	103.3	90	110	05/13/2024	

Batch R347189		SampType: MS		Units mg/L							
SampID: 24050410-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.058	0.0500	0	115.2	90	110	05/13/2024	

Batch R347189		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050410-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005	S	0.060	0.0500	0	120.1	0.05760	4.18	05/13/2024

Batch R347189		SampType: MS		Units mg/L							
SampID: 24050523-002BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		0.056	0.0500	0.003420	104.2	90	110	05/13/2024	

Batch R347189		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050523-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.056	0.0500	0.003420	104.7	0.05552	0.47	05/13/2024

Batch R347189		SampType: MS		Units mg/L							
SampID: 24050604-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.057	0.0500	0.003680	106.4	90	110	05/13/2024	

Batch R347189		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050604-001GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005	S	0.064	0.0500	0.003680	121.3	0.05688	12.31	05/13/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347258		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/14/2024	

Batch R347258		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.049	0.0500	0	98.7	90	110	05/14/2024	

Batch R347258		SampType: MS		Units mg/L							
SampID: 24050696-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.064	0.0500	0.01029	107.5	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050696-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005		0.064	0.0500	0.01029	107.7	0.06402	0.19	05/14/2024	

Batch R347258		SampType: MS		Units mg/L							
SampID: 24050744-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.100		1.28	1.000	0.3356	94.7	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050744-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.100		1.30	1.000	0.3356	96.0	1.282	1.02	05/14/2024

Batch R347258		SampType: MS		Units mg/L							
SampID: 24050937-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.025		0.310	0.2500	0.05270	102.9	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050937-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.025		0.297	0.2500	0.05270	97.7	0.3100	4.28	05/14/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347258		SampType: MS		Units mg/L							Date
SampID: 24050943-001HMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.010		0.155	0.1000	0.04964	105.1	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050943-001HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.010		0.155	0.1000	0.04964	105.8	0.1548	0.42	05/14/2024

Batch R347258		SampType: MS		Units mg/L							Date
SampID: 24051058-001GMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.055	0.0500	0.004460	101.3	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051058-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.057	0.0500	0.004460	105.2	0.05509	3.50	05/14/2024

Batch R347452		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/16/2024	

Batch R347452		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.051	0.0500	0	101.9	90	110	05/16/2024	

Batch R347452		SampType: MS		Units µg/L							Date
SampID: 24041541-042FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		5		48	50.00	0	96.8	85	115	05/17/2024	

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-042FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		49	50.00	0	97.9	48.42	1.09	05/17/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347452		SampType: MS		Units µg/L								Date
SampID: 24041541-049FMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phenols		5		50	50.00	0	100.7	85	115			

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-049FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	101.1	50.35	0.38	05/16/2024

Batch R347452		SampType: MS		Units µg/L								Date
SampID: 24050001-012HMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phenols		5		51	50.00	0	102.3	85	115			

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050001-012HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	102.7	51.14	0.41	05/16/2024

Batch R347452		SampType: MS		Units µg/L								Date
SampID: 24050887-008GMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phenols		5		52	50.00	0	103.5	85	115			

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050887-008GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		52	50.00	0	103.4	51.77	0.14	05/16/2024

Batch R347452		SampType: MS		Units µg/L								Date
SampID: 24050975-003FMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phenols		5		50	50.00	0	100.2	85	115			

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050975-003FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		5		51	50.00	0	101.6	50.11	1.39	05/16/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347452		SampType: MS		Units µg/L						
SampID: 24050976-006KMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		51	50.00	0	101.9	85	115	05/16/2024

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050976-006KMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		49	50.00	0	98.4	50.94	3.48	05/16/2024

Batch R347452		SampType: MS		Units mg/L							
SampID: 24051232-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.053	0.0500	0	105.9	90	110	05/16/2024	

Batch R347452		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051232-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.051	0.0500	0	101.1	0.05297	4.70	05/16/2024

SW-846 9214 (DISSOLVED)

Batch R346823		SampType: MS		Units mg/L							
SampID: 24050007-008FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.41	2.000	0.2910	105.8	75	125	05/07/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050007-008FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.31	2.000	0.2910	101.0	2.408	4.07	05/07/2024

Batch R346966		SampType: MS		Units mg/L							
SampID: 24041541-015FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.60	2.000	0.4300	108.4	75	125	05/08/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (DISSOLVED)

Batch R346966		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-015FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.57	2.000	0.4300	107.2	2.597	0.89	05/08/2024

Batch R347102		SampType: MS		Units mg/L							
SampID: 24050364-006FMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.28	2.000	0.4910	89.3	75	125	05/10/2024	

Batch R347102		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24050364-006FMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.26	2.000	0.4910	88.7	2.277	0.57	05/10/2024	

Batch R347147		SampType: MS		Units mg/L							
SampID: 24041541-034BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.14	2.000	0.3580	89.2	75	125	05/13/2024	

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24041541-034BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		1.86	2.000	0.3580	75.2	2.142	13.99	05/13/2024	

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-017FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.05	2.000	0.2040	92.3	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-017FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.25	2.000	0.2040	102.2	2.050	9.26	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-086BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.10		2.17	2.000	0.3040	93.1	75	125	05/14/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (DISSOLVED)

Batch R347245		SampType: MSD		Units mg/L			RPD Limit 15				
SampID: 24041541-086BMSD											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.10		2.33	2.000	0.3040	101.2	2.166	7.25	05/14/2024	

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-097BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.09	2.000	0.2960	89.9	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24041541-097BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.19	2.000	0.2960	94.7	2.094	4.48	05/14/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24041541-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.90	2.000	0.8760	101.0	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24041541-025BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.96	2.000	0.8760	104.0	2.896	2.05	05/16/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050887-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.10	2.000	0.1690	96.8	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050887-004CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.18	2.000	0.1690	100.4	2.104	3.41	05/16/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (TOTAL)

Batch R346823		SampType: MBLK		Units mg/L							
SampID: MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/06/2024	

Batch R346823		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.10		0.95	1.000	0	95.0	90	110	05/06/2024	

Batch R346823		SampType: MS		Units mg/L							
SampID: 24041541-033AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.37	2.000	0.3940	98.9	75	125	05/06/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24041541-033AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.10		2.47	2.000	0.3940	103.9	2.372	4.13	05/06/2024

Batch R346823		SampType: MS		Units mg/L							
SampID: 24041541-061AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.53	2.000	0.4850	102.2	75	125	05/06/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-061AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.62	2.000	0.4850	106.6	2.528	3.42	05/06/2024

Batch R346823		SampType: MS		Units mg/L							
SampID: 24041541-081AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.60	2.000	0.6420	98.0	75	125	05/06/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-081AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.68	2.000	0.6420	101.7	2.601	2.81	05/06/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9214 (TOTAL)

Batch R346823		SampType: MS		Units mg/L							Date
SampID: 24042405-009AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10	H	2.45	2.000	0.4690	99.0	75	125	05/07/2024	

Batch R346823		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042405-009AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride		0.10	H	2.44	2.000	0.4690	98.4	2.449	0.45	05/07/2024		

Batch R346823		SampType: MS		Units mg/L							Date
SampID: 24050131-006AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10	H	2.08	2.000	0.08400	99.7	75	125	05/07/2024	

Batch R346823		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050131-006AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride		0.10	H	2.18	2.000	0.08400	104.7	2.078	4.70	05/07/2024		

Batch R346966		SampType: MBLK		Units mg/L							Date
SampID: MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/08/2024	

Batch R346966		SampType: LCS		Units mg/L							Date
SampID: LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		1.07	1.000	0	106.7	90	110	05/08/2024	

Batch R347102		SampType: MBLK		Units mg/L							Date
SampID: MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/10/2024	

Batch R347102		SampType: LCS		Units mg/L							Date
SampID: LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		0.99	1.000	0	99.3	90	110	05/10/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (TOTAL)

Batch R347102		SampType: MS		Units mg/L						
SampID: 24050273-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		1.90	2.000	0.2030	85.0	75	125	05/10/2024

Batch R347102		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050273-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		1.93	2.000	0.2030	86.3	1.903	1.36	05/10/2024

Batch R347102		SampType: MS		Units mg/L							
SampID: 24050273-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.67	2.000	0	83.5	75	125	05/10/2024	

Batch R347102		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050273-006AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		1.54	2.000	0	77.0	1.670	8.03	05/10/2024

Batch R347102		SampType: MS		Units mg/L							
SampID: 24050362-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.11	2.000	0.2380	93.5	75	125	05/10/2024	

Batch R347102		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050362-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.15	2.000	0.2380	95.5	2.108	1.88	05/10/2024

Batch R347102		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 24042193-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10	R	0.16				0	200.00	05/10/2024

Batch R347102		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 24042193-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10	J	0.06				0	0.00	05/10/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (TOTAL)

Batch R347102		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 24042194-006ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10	R	0.23				0	200.00	05/10/2024

Batch R347147		SampType: MBLK		Units mg/L							
SampID: MBLK										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/13/2024	

Batch R347147		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.10		0.93	1.000	0	93.2	90	110	05/13/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24041541-042AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.11	2.000	0.3630	87.6	75	125	05/13/2024	

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-042AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.03	2.000	0.3630	83.6	2.114	3.86	05/13/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24041541-050AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.30	2.000	0.3070	99.6	75	125	05/13/2024	

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-050AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.04	2.000	0.3070	86.4	2.299	12.18	05/13/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24050482-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.05	2.000	0.1210	96.3	75	125	05/13/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9214 (TOTAL)

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050482-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.14	2.000	0.1210	101.1	2.046	4.63	05/13/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24050777-002CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.62	2.000	0.4570	108.2	75	125	05/13/2024	

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24050777-002CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.10		2.59	2.000	0.4570	106.7	2.621	1.15	05/13/2024	

Batch R347245		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.10		< 0.10	0.0500	0	0	-100	100	05/14/2024

Batch R347245		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		0.94	1.000	0	94.3	90	110	05/14/2024	

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-007EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.14	2.000	0.2960	92.2	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-007EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.31	2.000	0.2960	100.9	2.140	7.81	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-063AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.09	2.000	0.3540	86.9	75	125	05/14/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-063AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.08	2.000	0.3540	86.2	2.092	0.72	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-075AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.08	2.000	0.2980	89.0	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-075AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.15	2.000	0.2980	92.5	2.079	3.26	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-105AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.19	2.000	0.3680	91.3	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-105AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.10	2.000	0.3680	86.6	2.194	4.38	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24050590-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		1.00		87.0	20.00	66.59	101.9	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050590-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			1.00		89.0	20.00	66.59	112.1	86.97	2.32	05/14/2024

Batch R347401		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.10		< 0.10	0.0500	0	0	-100	100	05/16/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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Batch R347401		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.10		0.96	1.000	0	96.1	90	110	05/16/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050734-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.82	2.000	0.6570	108.2	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050734-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.79	2.000	0.6570	106.6	2.821	1.10	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.29	2.000	0.1310	108.1	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.22	2.000	0.1310	104.4	2.293	3.28	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-011AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.09	2.000	0.1160	98.6	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-011AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.20	2.000	0.1160	104.0	2.087	5.09	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.18	2.000	0.1550	101.0	75	125	05/16/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-018AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.10	2.000	0.1550	97.3	2.175	3.46	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-027AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.15	2.000	0.1480	100.2	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24050906-027AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.20	2.000	0.1480	102.6	2.151	2.30	05/16/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-035AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.11	2.000	0.1490	98.0	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24050906-035AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.13	2.000	0.1490	98.8	2.108	0.85	05/16/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-041AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.16	2.000	0.2220	96.9	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-041AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.17	2.000	0.2220	97.4	2.160	0.46	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24051000-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.46	2.000	1.421	101.9	75	125	05/16/2024	



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Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24051000-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.10		3.63	2.000	1.421	110.4	3.459	4.80	05/16/2024	

Batch R347401		SampType: MS		Units mg/L						
SampID: 24051000-017AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		2.46	2.000	0.4510	100.2	75	125	05/16/2024

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051000-017AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.39	2.000	0.4510	97.2	2.456	2.56	05/16/2024

SW-846 9251 (DISSOLVED)

Batch R346639		SampType: MS		Units mg/L							
SampID: 24041541-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	3.840	99.9	85	115	05/02/2024	

Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-025BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		24	20.00	3.840	101.1	23.82	1.00	05/02/2024	

Batch R346639		SampType: MS		Units mg/L							
SampID: 24041541-031BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		75	40.00	35.91	97.6	85	115	05/02/2024	

Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-031BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		76	40.00	35.91	101.0	74.96	1.81	05/02/2024



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Client Project: COF-24Q2

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SW-846 9251 (DISSOLVED)

Batch R346639		SampType: MS		Units mg/L							Date
SampID: 24042262-003FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		78	40.00	40.01	95.0	85	115	05/01/2024	

Batch R346639		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042262-003FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8		75	40.00	40.01	88.2	78.03	3.56	05/01/2024		

Batch R346639		SampType: MS		Units mg/L							Date
SampID: 24042262-006FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		154	100.0	62.72	91.6	85	115	05/01/2024	

Batch R346639		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042262-006FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		150	100.0	62.72	87.4	154.3	2.80	05/01/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24041541-010FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8	S	70	40.00	36.49	83.8	85	115	05/02/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-010FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8		71	40.00	36.49	87.2	70.01	1.90	05/02/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24041541-090FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		69	40.00	33.46	88.6	85	115	05/03/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-090FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8		70	40.00	33.46	90.4	68.91	1.03	05/03/2024		



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Batch R346846		SampType: MS		Units mg/L						
SampID: 24041541-007FMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	59	20.00	37.73	106.1	85	115	05/06/2024

Batch R346846		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-007FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	59	20.00	37.73	107.9	58.95	0.61	05/06/2024

Batch R346935		SampType: MS		Units mg/L							
SampID: 24050138-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	3.690	99.2	85	115	05/08/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050138-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	3.690	100.2	23.54	0.76	05/08/2024

Batch R346935		SampType: MS		Units mg/L							
SampID: 24050364-004FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		39	20.00	21.34	90.0	85	115	05/07/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050364-004FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		41	20.00	21.34	96.6	39.35	3.30	05/07/2024

Batch R346935		SampType: MS		Units mg/L							
SampID: 24050364-010FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		30	20.00	11.89	92.0	85	115	05/07/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050364-010FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		30	20.00	11.89	92.2	30.30	0.10	05/07/2024



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Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24041541-027BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		156	100.0	58.49	97.5	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-027BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		157	100.0	58.49	98.4	156.0	0.56	05/09/2024

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24041541-042BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		31	20.00	12.60	93.7	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-042BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		31	20.00	12.60	93.0	31.33	0.42	05/09/2024

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24050451-006BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		30	20.00	11.11	93.0	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050451-006BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		30	20.00	11.11	92.6	29.70	0.24	05/09/2024

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24050464-001FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		35	20.00	17.39	89.8	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050464-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		35	20.00	17.39	89.5	35.36	0.20	05/09/2024



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Client: Ramboll

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SW-846 9251 (DISSOLVED)

Batch R347114		SampType: MS		Units mg/L							Date
SampID: 24050493-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		25	20.00	4.770	100.7	85	115	05/10/2024	

Batch R347114		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050493-001CMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		25	20.00	4.770	101.0	24.90	0.24	05/10/2024		

Batch R347114		SampType: MS		Units mg/L							Date
SampID: 24050583-004BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		150	100.0	58.62	91.0	85	115	05/10/2024	

Batch R347114		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050583-004BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		154	100.0	58.62	95.6	149.6	3.02	05/10/2024		

Batch R347274		SampType: MS		Units mg/L							Date
SampID: 24050001-010CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		131	100.0	33.49	97.5	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050001-010CMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		130	100.0	33.49	97.0	131.0	0.35	05/14/2024		

Batch R347274		SampType: MS		Units mg/L							Date
SampID: 24050646-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		23	20.00	3.980	97.1	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050646-001CMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		23	20.00	3.980	96.2	23.40	0.82	05/14/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R347380		SampType: MS		Units mg/L							Date
SampID: 24050819-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		26	20.00	7.850	92.2	85	115	05/16/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050819-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		27	20.00	7.850	93.6	26.29	1.02	05/16/2024

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050887-005CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		117	100.0	22.03	94.9	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050887-005CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		124	100.0	22.03	102.3	117.0	6.09	05/17/2024

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050907-001FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		27	20.00	8.530	92.4	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050907-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		27	20.00	8.530	91.6	27.00	0.56	05/17/2024

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050975-004BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		172	100.0	82.01	89.7	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050975-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		171	100.0	82.01	89.2	171.7	0.29	05/17/2024



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Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041541
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SW-846 9251 (DISSOLVED)

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050976-003FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		207	100.0	114.3	92.5	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050976-003FMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		205	100.0	114.3	90.9	206.8	0.78	05/17/2024		

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050976-007FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		161	100.0	68.04	92.6	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050976-007FMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		162	100.0	68.04	94.3	160.6	1.07	05/17/2024		

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050979-002CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	1.050	95.8	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050979-002CMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		20	20.00	1.050	96.4	20.22	0.49	05/17/2024		

SW-846 9251 (TOTAL)

Batch R346639		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	05/01/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9251 (TOTAL)

Batch R346639		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		18	20.00	0	91.0	90	110	05/01/2024	

Batch R346639		SampType: MS		Units mg/L							
SampID: 24041541-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.470	99.8	85	115	05/02/2024	

Batch R346639		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24041541-025AMSD									Date Analyzed		
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chloride			4		24	20.00	4.470	99.9	24.42	0.12	05/02/2024

Batch R346639		SampType: MS		Units mg/L							
SampID: 24041541-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		75	40.00	37.23	95.6	85	115	05/02/2024	

Batch R346639		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24041541-031AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		75	40.00	37.23	95.5	75.47	0.04	05/02/2024

Batch R346639		SampType: MS		Units mg/L							
SampID: 24042193-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.460	95.4	85	115	05/01/2024	

Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24042193-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	4.460	96.8	23.54	1.22	05/01/2024

Batch R346639		SampType: MS		Units mg/L							
SampID: 24042357-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	SE	90	20.00	43.14	232.6	85	115	05/02/2024	



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Client Project: COF-24Q2

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Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24042357-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4	SE	90	20.00	43.14	234.6	89.65	0.46	05/02/2024	

Batch R346639		SampType: MS		Units mg/L							
SampID: 24042384-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.650	96.7	85	115	05/01/2024	

Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24042384-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	4.650	98.9	23.98	1.86	05/01/2024

Batch R346714		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride			4		< 4	0.5000	0	0	-100	100	05/02/2024

Batch R346714		SampType: MBLK		Units mg/Kg							
SampID: MBLK-240501											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride	*	40		< 40	0.5000	0	0	-100	100	05/02/2024	

Batch R346714		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	103.0	90	110	05/02/2024	

Batch R346714		SampType: MS		Units mg/L							
SampID: 24041541-033AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		258	200.0	76.14	91.1	85	115	05/03/2024	

Batch R346714		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-033AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			40		260	200.0	76.14	91.7	258.3	0.48	05/03/2024



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SW-846 9251 (TOTAL)

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24041541-045AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		254	200.0	65.43	94.4	85	115	05/03/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-045AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		40		248	200.0	65.43	91.2	254.2	2.50	05/03/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24042406-003AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		29	20.00	9.490	96.8	85	115	05/02/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042406-003AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		29	20.00	9.490	95.9	28.85	0.63	05/02/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24042406-006AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		403	200.0	229.3	86.7	85	115	05/02/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042406-006AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		40		410	200.0	229.3	90.2	402.6	1.75	05/02/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24042406-011AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		35	20.00	17.65	89.0	85	115	05/02/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042406-011AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		35	20.00	17.65	88.9	35.46	0.08	05/02/2024		



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9251 (TOTAL)

Batch R346846		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/06/2024	

Batch R346846		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		20	20.00	0	98.8	90	110	05/06/2024	

Batch R346846		SampType: MS		Units mg/L							
SampID: 24041541-007EMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4	E	56	20.00	37.01	97.0	85	115	05/06/2024	

Batch R346846		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-007EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	59	20.00	37.01	109.3	56.40	4.29	05/06/2024

Batch R346935		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/07/2024	

Batch R346935		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	104.1	90	110	05/07/2024	

Batch R346935		SampType: MS		Units mg/L							
SampID: 24050139-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	3.780	100.0	85	115	05/07/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050139-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	3.780	100.8	23.77	0.71	05/07/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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Batch R346935		SampType: MS		Units mg/L							Date
SampID: 24050140-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		41	20.00	22.46	91.8	85	115	05/08/2024	

Batch R346935		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050140-004AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		41	20.00	22.46	91.8	40.83	0.00	05/08/2024		

Batch R347069		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	05/09/2024	

Batch R347069		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		21	20.00	0	103.8	90	110	05/09/2024	

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24041541-027AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		147	100.0	60.91	86.1	85	115	05/10/2024	

Batch R347069		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-027AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		154	100.0	60.91	93.2	147.0	4.68	05/10/2024		

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24041541-042AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		31	20.00	12.36	92.2	85	115	05/10/2024	

Batch R347069		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-042AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		31	20.00	12.36	93.2	30.80	0.65	05/10/2024		



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Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24050273-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		21	20.00	1.870	97.8	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050273-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		21	20.00	1.870	97.8	21.44	0.09	05/09/2024

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24050352-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		24	20.00	3.790	98.6	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050352-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	3.790	101.4	23.50	2.35	05/09/2024

Batch R347114		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	05/10/2024	

Batch R347114		SampType: MBLK		Units mg/L							Date
SampID: MBLK-181812											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride	*	4		< 4	0.5000	0	0	-100	100	05/10/2024	

Batch R347114		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	98.3	90	110	05/10/2024	

Batch R347114		SampType: MS		Units mg/L							Date
SampID: 24041541-092AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		26	20.00	7.070	96.6	85	115	05/10/2024	



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SW-846 9251 (TOTAL)

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-092AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		26	20.00	7.070	96.0	26.38	0.46	05/10/2024

Batch R347114		SampType: MS		Units mg/L							
SampID: 24041541-100AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		88	40.00	51.39	91.6	85	115	05/11/2024	

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24041541-100AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			8		89	40.00	51.39	93.2	88.02	0.72	05/11/2024	

Batch R347114		SampType: MS		Units mg/L							
SampID: 24050482-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		26	20.00	6.630	97.0	85	115	05/10/2024	

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24050482-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		26	20.00	6.630	97.4	26.03	0.31	05/10/2024	

Batch R347114		SampType: MS		Units mg/L							
SampID: 24050590-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		2000		21100	10000	11820	92.4	85	115	05/10/2024	

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050590-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			2000		21300	10000	11820	94.3	21070	0.87	05/10/2024

Batch R347114		SampType: MS		Units mg/L							
SampID: 24050891-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	51	20.00	32.45	92.4	85	115	05/10/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24050891-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4	E	51	20.00	32.45	93.8	50.92	0.55	05/10/2024	

Batch R347274		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/14/2024	

Batch R347274		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	98.8	90	110	05/14/2024	

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050001-011BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		47	20.00	28.26	92.6	85	115	05/15/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050001-011BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		47	20.00	28.26	94.5	46.77	0.81	05/15/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050002-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	62	20.00	43.04	97.0	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050002-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	62	20.00	43.04	96.4	62.45	0.21	05/14/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050634-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		82	40.00	45.78	89.7	85	115	05/15/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24050634-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		8		83	40.00	45.78	92.6	81.67	1.40		05/15/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050646-001BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		23	20.00	3.840	98.1	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24050646-001BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		23	20.00	3.840	97.6	23.46	0.38	05/14/2024	

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050795-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		214	100.0	120.9	93.2	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050795-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		20		210	100.0	120.9	89.3	214.2	1.86	05/14/2024	

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050795-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		224	100.0	131.2	92.5	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050795-007AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		221	100.0	131.2	89.9	223.7	1.18	05/14/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24051090-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	52	20.00	33.73	93.0	85	115	05/14/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24051090-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	E	52	20.00	33.73	91.6	52.32	0.52	05/14/2024

Batch R347380		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/15/2024	

Batch R347380		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		19	20.00	0	96.2	90	110	05/15/2024	

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050633-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		32	20.00	14.47	86.6	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050633-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		32	20.00	14.47	89.4	31.79	1.78	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050819-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		27	20.00	7.960	93.0	85	115	05/16/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050819-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		27	20.00	7.960	93.3	26.55	0.26	05/16/2024	

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050905-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	5.840	92.5	85	115	05/15/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050905-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	5.840	93.3	24.33	0.70	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.320	95.0	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24050906-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		20	20.00	1.320	95.0	20.32	0.05	05/15/2024	

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-011AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		19	20.00	0.9100	92.6	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-011AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	0.9100	94.8	19.43	2.19	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.040	93.8	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-018AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.040	94.6	19.79	0.86	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-021AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	2.110	95.8	85	115	05/15/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-021AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		21	20.00	2.110	96.0	21.27	0.19	05/15/2024	

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.100	94.4	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L		RPD Limit 15					Date Analyzed	
SampID: 24050906-031AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		20	20.00	1.100	96.0	19.97	1.64	05/15/2024	

Batch R347380		SampType: MS		Units mg/L							
SampID: 24051000-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.220	95.3	85	115	05/16/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051000-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.220	96.2	20.28	0.93	05/16/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24051000-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.520	93.6	85	115	05/16/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051000-010BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.520	93.3	20.24	0.30	05/16/2024

Batch R347548		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/17/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347548		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	99.0	90	110	05/17/2024	

Batch R347548		SampType: MS		Units mg/L							Date Analyzed
SampID: 24050907-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		27	20.00	8.360	92.1	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15				Date Analyzed
SampID: 24050907-001EMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		27	20.00	8.360	92.4	26.78	0.19	05/17/2024	

Batch R347548		SampType: MS		Units mg/L							
SampID: 24051437-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	51	20.00	31.81	93.8	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15				Date Analyzed
SampID: 24051437-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		50	20.00	31.81	90.8	50.56	1.17	05/17/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222322 SampType: MBLK Units mg/L

SampleID: MBLK-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/01/2024
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/01/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/01/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/01/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/01/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/01/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/01/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/01/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/01/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/01/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/01/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/01/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/01/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/01/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/01/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/01/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/01/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch	222322	SampType:	MBLK	Units	mg/L						
SampleID:	MBLK-222322										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/01/2024	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/03/2024	
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	05/01/2024	
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	05/03/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/01/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/03/2024	
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	05/03/2024	
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	05/01/2024	
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	05/01/2024	
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	05/03/2024	
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	05/01/2024	
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	05/03/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222322 SampType: LCS Units mg/L
SampleID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.92	2.000	0	96.2	85	115	05/01/2024
Aluminum		0.0250		1.77	2.000	0	88.6	85	115	05/03/2024
Antimony		0.0500		0.492	0.5000	0	98.4	85	115	05/01/2024
Antimony		0.0500		0.453	0.5000	0	90.6	85	115	05/03/2024
Arsenic		0.0250		0.487	0.5000	0	97.4	85	115	05/01/2024
Arsenic		0.0250		0.472	0.5000	0	94.5	85	115	05/03/2024
Barium		0.0025		1.92	2.000	0	95.8	85	115	05/01/2024
Barium		0.0025		1.79	2.000	0	89.5	85	115	05/03/2024
Beryllium		0.0005		0.0485	0.0500	0	97.0	85	115	05/01/2024
Beryllium		0.0005		0.0448	0.0500	0	89.6	85	115	05/03/2024
Boron		0.0200		0.439	0.5000	0	87.9	85	115	05/03/2024
Boron		0.0200		0.471	0.5000	0	94.2	85	115	05/01/2024
Cadmium		0.0020		0.0498	0.0500	0	99.6	85	115	05/01/2024
Cadmium		0.0020		0.0462	0.0500	0	92.4	85	115	05/03/2024
Calcium		0.100		2.27	2.500	0	90.9	85	115	05/01/2024
Calcium		0.100		2.24	2.500	0	89.8	85	115	05/03/2024
Chromium		0.0050		0.182	0.2000	0	90.9	85	115	05/03/2024
Chromium		0.0050		0.191	0.2000	0	95.6	85	115	05/01/2024
Cobalt		0.0050		0.449	0.5000	0	89.8	85	115	05/03/2024
Cobalt		0.0050		0.477	0.5000	0	95.5	85	115	05/01/2024
Copper		0.0050		0.225	0.2500	0	90.2	85	115	05/03/2024
Copper		0.0050		0.243	0.2500	0	97.2	85	115	05/01/2024
Iron		0.0400		1.82	2.000	0	90.9	85	115	05/03/2024
Iron		0.0400		1.96	2.000	0	98.0	85	115	05/01/2024
Lead		0.0150		0.453	0.5000	0	90.6	85	115	05/03/2024
Lead		0.0150		0.476	0.5000	0	95.1	85	115	05/01/2024
Magnesium		0.0500		2.20	2.500	0	88.0	85	115	05/03/2024
Magnesium		0.0500		2.34	2.500	0	93.7	85	115	05/01/2024
Manganese		0.0070		0.488	0.5000	0	97.6	85	115	05/01/2024
Manganese		0.0070		0.455	0.5000	0	91.1	85	115	05/03/2024
Molybdenum		0.0100		0.443	0.5000	0	88.6	85	115	05/03/2024
Molybdenum		0.0100		0.463	0.5000	0	92.6	85	115	05/01/2024
Nickel		0.0050		0.456	0.5000	0	91.2	85	115	05/03/2024
Nickel		0.0050		0.477	0.5000	0	95.4	85	115	05/01/2024
Potassium		0.100		2.35	2.500	0	93.8	85	115	05/03/2024
Potassium		0.100		2.68	2.500	0	107.1	85	115	05/01/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222322 SampType: LCS Units mg/L

SampID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0400		0.459	0.5000	0	91.8	85	115	05/03/2024
Selenium		0.0400		0.475	0.5000	0	94.9	85	115	05/01/2024
Silver		0.0070		0.0433	0.0500	0	86.6	85	115	05/03/2024
Silver		0.0070		0.0499	0.0500	0	99.8	85	115	05/01/2024
Sodium		0.0500		2.42	2.500	0	96.7	85	115	05/01/2024
Sodium		0.0500		2.32	2.500	0	92.7	85	115	05/03/2024
Thallium		0.0500		0.219	0.2500	0	87.4	85	115	05/03/2024
Thallium		0.0500		0.222	0.2500	0	88.7	85	115	05/01/2024
Vanadium		0.0100		0.480	0.5000	0	96.0	85	115	05/01/2024
Vanadium		0.0100		0.446	0.5000	0	89.3	85	115	05/03/2024
Zinc		0.0100		0.451	0.5000	0	90.1	85	115	05/03/2024
Zinc		0.0100		0.480	0.5000	0	96.0	85	115	05/01/2024

Batch 222322 SampType: MS Units mg/L

SampID: 24042058-006GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	101	2.500	99.94	43.2	75	125	05/02/2024
Magnesium		0.050		37.5	2.500	35.31	85.8	75	125	05/03/2024
Potassium		0.100		3.16	2.500	0.6153	101.9	75	125	05/02/2024
Sodium		0.050		45.0	2.500	43.11	77.6	75	125	05/02/2024

Batch 222322 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24042058-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	100	2.500	99.94	6.4	101.0	0.91	05/02/2024
Magnesium		0.050		37.7	2.500	35.31	96.6	37.46	0.71	05/03/2024
Potassium		0.100		3.11	2.500	0.6153	99.8	3.164	1.69	05/02/2024
Sodium		0.050	S	44.8	2.500	43.11	65.6	45.05	0.67	05/02/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222415 SampType: MBLK Units mg/L

SampleID: MBLK-222415

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/06/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/03/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	05/06/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/06/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222415		SampType: MBLK		Units mg/L							Date Analyzed	
SampID: MBLK-222415												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Potassium		0.100		< 0.100	0.0400	0	0	-100	100			
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100			
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100			
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100			
Sodium		0.0500	S	0.0654	0.0180	0	363.3	-100	100			
Sodium		0.050	S	0.063	0.0180	0	348.9	-100	100			
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100			
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100			
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100			
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100			
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100			
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100			



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222415		SampType: LCS		Units mg/L							
SampID: LCS-222415											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		0.0250		1.95	2.000	0	97.3	85	115	05/03/2024	
Aluminum		0.0250		1.92	2.000	0	95.8	85	115	05/03/2024	
Antimony		0.0500		0.475	0.5000	0	95.0	85	115	05/03/2024	
Antimony		0.0500		0.480	0.5000	0	96.0	85	115	05/03/2024	
Arsenic		0.0250		0.502	0.5000	0	100.3	85	115	05/03/2024	
Arsenic		0.0250		0.496	0.5000	0	99.2	85	115	05/03/2024	
Barium		0.0025		1.91	2.000	0	95.7	85	115	05/03/2024	
Barium		0.0025		1.93	2.000	0	96.7	85	115	05/03/2024	
Beryllium		0.0005		0.0486	0.0500	0	97.2	85	115	05/03/2024	
Beryllium		0.0005		0.0485	0.0500	0	97.0	85	115	05/03/2024	
Boron		0.0200		0.479	0.5000	0	95.8	85	115	05/03/2024	
Boron		0.0200		0.477	0.5000	0	95.4	85	115	05/03/2024	
Cadmium		0.0020		0.0503	0.0500	0	100.6	85	115	05/03/2024	
Cadmium		0.0020		0.0503	0.0500	0	100.6	85	115	05/03/2024	
Calcium		0.100		2.45	2.500	0	97.8	85	115	05/06/2024	
Calcium		0.100		2.32	2.500	0	92.9	85	115	05/03/2024	
Calcium		0.100		2.30	2.500	0	92.1	85	115	05/03/2024	
Chromium		0.0050		0.190	0.2000	0	95.1	85	115	05/03/2024	
Chromium		0.0050		0.189	0.2000	0	94.6	85	115	05/03/2024	
Cobalt		0.0050		0.479	0.5000	0	95.8	85	115	05/03/2024	
Cobalt		0.0050		0.478	0.5000	0	95.6	85	115	05/03/2024	
Copper		0.0050		0.240	0.2500	0	96.0	85	115	05/03/2024	
Copper		0.0050		0.238	0.2500	0	95.3	85	115	05/03/2024	
Iron		0.0400		1.91	2.000	0	95.5	85	115	05/03/2024	
Iron		0.0400		1.92	2.000	0	95.9	85	115	05/03/2024	
Lead		0.0150		0.479	0.5000	0	95.8	85	115	05/03/2024	
Lead		0.0150		0.478	0.5000	0	95.6	85	115	05/03/2024	
Magnesium		0.050		2.28	2.500	0	91.1	85	115	05/06/2024	
Manganese		0.0070		0.480	0.5000	0	96.0	85	115	05/03/2024	
Manganese		0.0070		0.479	0.5000	0	95.8	85	115	05/03/2024	
Molybdenum		0.0100		0.450	0.5000	0	90.0	85	115	05/03/2024	
Molybdenum		0.0100		0.450	0.5000	0	90.0	85	115	05/03/2024	
Nickel		0.0050		0.483	0.5000	0	96.5	85	115	05/03/2024	
Nickel		0.0050		0.482	0.5000	0	96.5	85	115	05/03/2024	
Potassium		0.100		2.70	2.500	0	108.1	85	115	05/06/2024	
Potassium		0.100		2.59	2.500	0	103.5	85	115	05/03/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222415		SampType: LCS		Units mg/L							
SampID: LCS-222415											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Potassium		0.100		2.61	2.500	0	104.6	85	115	05/03/2024	
Selenium		0.0400		0.499	0.5000	0	99.9	85	115	05/03/2024	
Selenium		0.0400		0.498	0.5000	0	99.6	85	115	05/03/2024	
Silver		0.0070	S	0.0412	0.0500	0	82.4	85	115	05/03/2024	
Sodium		0.050	B	2.51	2.500	0	100.6	85	115	05/06/2024	
Sodium		0.0500	B	2.46	2.500	0	98.6	85	115	05/03/2024	
Thallium		0.0500		0.234	0.2500	0	93.6	85	115	05/03/2024	
Thallium		0.0500		0.239	0.2500	0	95.6	85	115	05/03/2024	
Vanadium		0.0100		0.476	0.5000	0	95.3	85	115	05/03/2024	
Vanadium		0.0100		0.480	0.5000	0	95.9	85	115	05/03/2024	
Zinc		0.0100		0.490	0.5000	0	97.9	85	115	05/03/2024	
Zinc		0.0100		0.491	0.5000	0	98.2	85	115	05/03/2024	

Batch 222415		SampType: MS		Units mg/L						
SampID: 24041541-010GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	79.7	2.500	78.60	42.8	75	125	05/03/2024
Magnesium		0.050	S	37.0	2.500	35.54	57.8	75	125	05/06/2024
Potassium		0.100		2.98	2.500	0.3980	103.2	75	125	05/03/2024
Sodium		0.050	B	35.8	2.500	33.71	82.0	75	125	05/03/2024

Batch	222415	SampType:	MSD	Units mg/L				RPD Limit 20		
SampID: 24041541-010GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	79.8	2.500	78.60	47.2	79.67	0.14	05/03/2024
Magnesium		0.050	S	37.1	2.500	35.54	62.5	36.99	0.32	05/06/2024
Potassium		0.100		3.00	2.500	0.3980	104.0	2.978	0.65	05/03/2024
Sodium		0.050	B	35.9	2.500	33.71	87.2	35.76	0.36	05/03/2024

Batch 222415		SampType: MS		Units mg/L							
SampID: 24042405-002CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Iron		0.0400		1.89	2.000	0	94.5	75	125	05/03/2024	
Manganese		0.0070	S	17.6	0.5000	17.34	57.4	75	125	05/03/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222415		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24042405-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			0.0400		1.92	2.000	0	95.9	1.890	1.47	05/03/2024
Manganese			0.0070	S	17.5	0.5000	17.34	26.2	17.63	0.89	05/03/2024

Batch 222458		SampType: MS		Units mg/L						
SampID: 24041541-018GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	80.9	5.000	80.99	-1.2	75	125	05/14/2024
Magnesium		0.050	S	39.9	5.000	37.55	46.4	75	125	05/14/2024
Potassium		0.100		5.37	5.000	0.4665	98.2	75	125	05/14/2024
Sodium		0.050	S	65.9	5.000	63.97	39.0	75	125	05/14/2024

Batch	222458	SampType:	MSD	Units mg/L				RPD Limit 20			
SampID: 24041541-018GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium			0.100	S	80.4	5.000	80.99	-12.6	80.93	0.71	05/14/2024
Magnesium			0.050	S	39.3	5.000	37.55	35.7	39.87	1.34	05/14/2024
Potassium			0.100		5.12	5.000	0.4665	93.0	5.374	4.86	05/14/2024
Sodium			0.050	S	64.3	5.000	63.97	5.8	65.92	2.55	05/14/2024

Batch 222458		SampType: MS		Units mg/L							
SampID: 24050001-008EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Magnesium		0.050	S	90.0	2.500	88.46	63.3	75	125	05/14/2024	

Batch 222458		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24050001-008EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium			0.050	S	89.7	2.500	88.46	48.9	90.04	0.40	05/14/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222460 SampType: MBLK Units mg/L

SampleID: MBLK-222460

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/03/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/03/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/03/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	05/03/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222460		SampType: LCS		Units mg/L						
SampID: LCS-222460										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.83	2.000	0	91.5	85	115	05/03/2024
Antimony		0.0500		0.461	0.5000	0	92.2	85	115	05/03/2024
Arsenic		0.0250		0.481	0.5000	0	96.2	85	115	05/03/2024
Barium		0.0025		1.84	2.000	0	92.1	85	115	05/03/2024
Beryllium		0.0005		0.0463	0.0500	0	92.6	85	115	05/03/2024
Boron		0.0200		0.449	0.5000	0	89.8	85	115	05/03/2024
Cadmium		0.0020		0.0471	0.0500	0	94.2	85	115	05/03/2024
Calcium		0.100		2.33	2.500	0	93.0	85	115	05/03/2024
Chromium		0.0050		0.187	0.2000	0	93.6	85	115	05/03/2024
Cobalt		0.0050		0.466	0.5000	0	93.1	85	115	05/03/2024
Copper		0.0050		0.234	0.2500	0	93.5	85	115	05/03/2024
Iron		0.0400		1.87	2.000	0	93.6	85	115	05/03/2024
Lead		0.0150		0.470	0.5000	0	94.1	85	115	05/03/2024
Magnesium		0.0500		2.27	2.500	0	90.7	85	115	05/03/2024
Manganese		0.0070		0.471	0.5000	0	94.2	85	115	05/03/2024
Molybdenum		0.0100		0.457	0.5000	0	91.3	85	115	05/03/2024
Nickel		0.0050		0.472	0.5000	0	94.3	85	115	05/03/2024
Potassium		0.100		2.39	2.500	0	95.7	85	115	05/03/2024
Selenium		0.0400		0.463	0.5000	0	92.7	85	115	05/03/2024
Silver		0.0070		0.0444	0.0500	0	88.8	85	115	05/03/2024
Sodium		0.0500		2.36	2.500	0	94.3	85	115	05/03/2024
Thallium		0.0500		0.235	0.2500	0	93.8	85	115	05/03/2024
Vanadium		0.0100		0.461	0.5000	0	92.2	85	115	05/03/2024
Zinc		0.0100		0.463	0.5000	0	92.7	85	115	05/03/2024

Batch 222460		SampType: MS		Units mg/L						
SampID: 24041541-004GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		80.1	2.500	78.05	80.4	75	125	05/03/2024
Magnesium		0.050		38.3	2.500	36.14	87.4	75	125	05/03/2024
Potassium		0.100		2.88	2.500	0.4658	96.7	75	125	05/03/2024
Sodium		0.050	S	37.1	2.500	35.48	66.0	75	125	05/03/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222460		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24041541-004GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	78.6	2.500	78.05	22.8	80.06	1.81	05/03/2024
Magnesium		0.050	S	37.5	2.500	36.14	55.0	38.32	2.14	05/03/2024
Potassium		0.100		2.84	2.500	0.4658	95.1	2.884	1.43	05/03/2024
Sodium		0.050	S	36.4	2.500	35.48	35.6	37.13	2.07	05/03/2024

Batch 222460		SampType: MS		Units mg/L							
SampID: 24042405-005CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Iron		0.0400		1.84	2.000	0	92.0	75	125	05/03/2024	
Manganese		0.0070		4.73	0.5000	4.300	85.7	75	125	05/03/2024	

Batch 222460		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24042405-005CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			0.0400		1.85	2.000	0	92.4	1.841	0.40	05/03/2024
Manganese			0.0070		4.78	0.5000	4.300	96.6	4.729	1.15	05/03/2024

Batch 222799		SampType: MBLK		Units mg/L							
SampID: MBLK-222799											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/13/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/13/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/13/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/13/2024	

Batch 222799		SampType: LCS		Units mg/L						
SampID: LCS-222799										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.39	2.500	0	95.6	85	115	05/13/2024
Magnesium		0.0500		2.20	2.500	0	88.1	85	115	05/13/2024
Potassium		0.100		2.62	2.500	0	104.9	85	115	05/13/2024
Sodium		0.0500		2.45	2.500	0	98.1	85	115	05/13/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 222799		SampType: MS		Units mg/L						
SampID: 24050464-001GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	61.5	2.500	60.91	22.0	75	125	05/13/2024
Magnesium		0.050	S	25.8	2.500	24.20	62.5	75	125	05/13/2024
Potassium		0.100		3.20	2.500	0.4808	109.0	75	125	05/13/2024
Sodium		0.050	S	52.7	2.500	51.33	53.6	75	125	05/13/2024

Batch 222799		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24050464-001GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	61.6	2.500	60.91	29.2	61.46	0.29	05/13/2024
Magnesium		0.050	S	25.8	2.500	24.20	62.4	25.77	0.01	05/13/2024
Potassium		0.100		3.17	2.500	0.4808	107.7	3.205	0.99	05/13/2024
Sodium		0.050	S	52.4	2.500	51.33	42.8	52.67	0.51	05/13/2024

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222328		SampType: MBLK		Units mg/L						
SampID: MBLK-222328										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/02/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/02/2024
Sodium		0.0500	S	0.0658	0.0180	0	365.6	-100	100	05/02/2024

Batch 222328		SampType: LCS		Units mg/L						
SampID: LCS-222328										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		0.0502	0.0500	0	100.4	85	115	05/03/2024
Calcium		0.100		2.52	2.500	0	100.7	85	115	05/02/2024
Magnesium		0.0500		2.49	2.500	0	99.8	85	115	05/03/2024
Potassium		0.100		2.63	2.500	0	105.2	85	115	05/02/2024
Sodium		0.0500	B	2.57	2.500	0	102.6	85	115	05/02/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222328 SampType: MS Units mg/L

SampID: 24041541-069BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	590	2.500	572.0	735.2	75	125	05/02/2024
Magnesium		0.050	S	313	2.500	300.9	490.6	75	125	05/03/2024
Potassium		0.100		6.50	2.500	3.700	111.9	75	125	05/02/2024
Sodium		0.050	BS	135	2.500	131.4	163.2	75	125	05/02/2024

Batch 222328 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24041541-069BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	551	2.500	572.0	-824.4	590.4	6.83	05/02/2024
Magnesium		0.050	S	295	2.500	300.9	-235.8	313.2	5.97	05/03/2024
Potassium		0.100		6.25	2.500	3.700	102.1	6.496	3.85	05/02/2024
Sodium		0.050	BS	129	2.500	131.4	-97.6	135.5	4.93	05/02/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222392 SampType: MBLK Units mg/L

SampleID: MBLK-222392

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	05/03/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/03/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/03/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	05/03/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	05/03/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222392		SampType: LCS		Units mg/L						
SampID: LCS-222392										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.92	2.000	0	96.1	85	115	05/03/2024
Antimony		0.0500		0.506	0.5000	0	101.3	85	115	05/03/2024
Arsenic		0.0250		0.518	0.5000	0	103.6	85	115	05/03/2024
Barium		0.0025		1.94	2.000	0	97.0	85	115	05/03/2024
Beryllium		0.0005		0.0498	0.0500	0	99.6	85	115	05/03/2024
Boron		0.0200		0.478	0.5000	0	95.7	85	115	05/03/2024
Cadmium		0.0020		0.0512	0.0500	0	102.4	85	115	05/03/2024
Calcium		0.100		2.46	2.500	0	98.3	85	115	05/03/2024
Chromium		0.0050		0.198	0.2000	0	99.2	85	115	05/03/2024
Cobalt		0.0050		0.497	0.5000	0	99.4	85	115	05/03/2024
Copper		0.0050		0.246	0.2500	0	98.2	85	115	05/03/2024
Iron		0.0400		2.07	2.000	0	103.5	85	115	05/03/2024
Lead		0.0150		0.503	0.5000	0	100.5	85	115	05/03/2024
Magnesium		0.0500		2.44	2.500	0	97.7	85	115	05/03/2024
Manganese		0.0070		0.501	0.5000	0	100.2	85	115	05/03/2024
Molybdenum		0.0100		0.486	0.5000	0	97.2	85	115	05/03/2024
Nickel		0.0050		0.505	0.5000	0	100.9	85	115	05/03/2024
Potassium		0.100		2.48	2.500	0	99.1	85	115	05/03/2024
Selenium		0.0400		0.505	0.5000	0	101.0	85	115	05/03/2024
Silver		0.0070		0.0470	0.0500	0	94.0	85	115	05/03/2024
Sodium		0.0500		2.47	2.500	0	98.6	85	115	05/03/2024
Thallium		0.0500		0.244	0.2500	0	97.5	85	115	05/03/2024
Vanadium		0.0100		0.489	0.5000	0	97.9	85	115	05/03/2024
Zinc		0.0100		0.496	0.5000	0	99.2	85	115	05/03/2024

Batch 222392		SampType: MS		Units mg/L						
SampID: 24050131-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		0.0529	0.0500	0.001500	102.8	75	125	05/03/2024
Calcium		0.100		48.4	2.500	46.28	84.4	75	125	05/03/2024
Magnesium		0.0500		6.09	2.500	3.663	97.1	75	125	05/03/2024
Zinc		0.0100		0.848	0.5000	0.3432	101.0	75	125	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222392		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24050131-005BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium		0.0020		0.0524	0.0500	0.001500	101.8	0.05290	0.95	05/03/2024
Calcium		0.100		48.8	2.500	46.28	100.0	48.39	0.80	05/03/2024
Magnesium		0.0500		6.10	2.500	3.663	97.4	6.092	0.09	05/03/2024
Zinc		0.0100		0.847	0.5000	0.3432	100.8	0.8482	0.13	05/03/2024

Batch 222392		SampType: MS		Units mg/L						
SampID: 24050189-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		0.0050		0.192	0.2000	0	96.0	75	125	05/03/2024

Batch 222392		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24050189-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium			0.0050		0.190	0.2000	0	95.1	0.1920	0.99	05/03/2024

Batch 222414		SampType: MBLK		Units mg/L						
SampID: MBLK-222414										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/07/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/07/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/07/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/07/2024

Batch	222414	SampType:	LCS	Units mg/L						
SampID: LCS-222414										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.64	2.500	0	105.5	85	115	05/07/2024
Magnesium		0.0500		2.48	2.500	0	99.2	85	115	05/07/2024
Potassium		0.100		2.70	2.500	0	108.2	85	115	05/07/2024
Sodium		0.0500		2.69	2.500	0	107.7	85	115	05/07/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222461 SampType: MBLK Units mg/L

SampID: MBLK-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/06/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/06/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/06/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/06/2024

Batch 222461 SampType: LCS Units mg/L

SampID: LCS-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.58	2.500	0	103.2	85	115	05/06/2024
Magnesium		0.0500		2.60	2.500	0	104.1	85	115	05/06/2024
Potassium		0.100		2.61	2.500	0	104.2	85	115	05/06/2024
Sodium		0.0500		2.47	2.500	0	98.7	85	115	05/06/2024

Batch 222461 SampType: MS Units mg/L

SampID: 24050273-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	71.0	2.500	69.40	66.0	75	125	05/06/2024
Magnesium		0.050		18.6	2.500	16.49	85.2	75	125	05/06/2024
Sodium		0.050		10.3	2.500	7.700	105.6	75	125	05/07/2024

Batch 222461 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24050273-001BMDS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		71.5	2.500	69.40	83.6	71.05	0.62	05/06/2024
Magnesium		0.050		18.7	2.500	16.49	87.7	18.62	0.35	05/06/2024
Sodium		0.050		10.2	2.500	7.700	100.8	10.34	1.17	05/07/2024

Batch 222639 SampType: MBLK Units mg/L

SampID: MBLK-222639

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/08/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	05/08/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/08/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	05/08/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222639		SampType: LCS		Units mg/L							Date
SampID: LCS-222639											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		2.66	2.500	0	106.3	85	115	05/08/2024	
Magnesium		0.050		2.43	2.500	0	97.2	85	115	05/08/2024	
Potassium		0.100		2.68	2.500	0	107.0	85	115	05/08/2024	
Sodium		0.050		2.57	2.500	0	102.8	85	115	05/08/2024	

Batch 222639		SampType: MS		Units mg/L							Date
SampID: 24041541-053CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		82.6	2.500	80.55	80.4	75	125	05/08/2024	
Magnesium		0.050	S	39.2	2.500	37.46	71.4	75	125	05/08/2024	
Potassium		0.100		3.66	2.500	0.9379	108.7	75	125	05/08/2024	
Sodium		0.050		57.5	2.500	55.60	77.2	75	125	05/08/2024	

Batch 222639		SampType: MSD		Units mg/L							RPD Limit 20
SampID: 24041541-053CMSD											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	82.0	2.500	80.55	59.2	82.56	0.64	05/08/2024	
Magnesium		0.050	S	38.9	2.500	37.46	56.3	39.25	0.96	05/08/2024	
Potassium		0.100		3.53	2.500	0.9379	103.8	3.656	3.43	05/08/2024	
Sodium		0.050	S	55.7	2.500	55.60	5.6	57.53	3.16	05/08/2024	

Batch 222656		SampType: MBLK		Units mg/L							Date
SampID: MBLK-222656											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/10/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/10/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/10/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/10/2024	

Batch 222656		SampType: LCS		Units mg/L							Date
SampID: LCS-222656											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		2.66	2.500	0	106.4	85	115	05/10/2024	
Magnesium		0.0500		2.52	2.500	0	100.9	85	115	05/10/2024	
Potassium		0.100		2.79	2.500	0	111.4	85	115	05/10/2024	
Sodium		0.0500		2.68	2.500	0	107.0	85	115	05/10/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222656		SampType: MS		Units mg/L						
SampID: 24041541-092BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	226	2.500	215.5	419.6	75	125	05/10/2024
Magnesium		0.050	S	26.4	2.500	22.94	137.0	75	125	05/10/2024
Potassium		1.00	S	24.3	2.500	20.84	136.7	75	125	05/16/2024
Sodium		0.050	S	71.6	2.500	67.61	160.8	75	125	05/10/2024

Batch 222656		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 24041541-092BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Calcium			0.100	S	233	2.500	215.5	711.6	226.0	3.18	
Magnesium			0.050	S	27.3	2.500	22.94	173.7	26.37	3.42	
Potassium			1.00	S	24.5	2.500	20.84	144.2	24.26	0.78	
Sodium			0.050	S	73.4	2.500	67.61	230.8	71.63	2.41	

Batch 222728		SampType: MBLK		Units mg/L							
SampID: MBLK-222728											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/10/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/10/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/10/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/10/2024	

Batch 222728		SampType: LCS		Units mg/L						
SampID: LCS-222728										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.63	2.500	0	105.1	85	115	05/10/2024
Magnesium		0.0500		2.51	2.500	0	100.5	85	115	05/10/2024
Potassium		0.100		2.67	2.500	0	106.9	85	115	05/10/2024
Sodium		0.0500		2.58	2.500	0	103.2	85	115	05/10/2024

Batch 222728		SampType: MS		Units mg/L						
SampID: 24041541-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	130	2.500	129.9	19.2	75	125	05/10/2024
Magnesium		0.050	S	59.5	2.500	57.92	64.9	75	125	05/10/2024
Potassium		0.100		4.55	2.500	1.810	109.6	75	125	05/10/2024
Sodium		0.050	S	78.5	2.500	78.93	-16.0	75	125	05/10/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 222728		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24041541-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	128	2.500	129.9	-65.2	130.4	1.63	05/10/2024
Magnesium		0.050	S	58.7	2.500	57.92	31.0	59.54	1.43	05/10/2024
Potassium		0.100		4.51	2.500	1.810	108.0	4.549	0.86	05/10/2024
Sodium		0.050	S	76.9	2.500	78.93	-82.4	78.53	2.14	05/10/2024

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	222322	SampType:	MBLK	Units µg/L							
SampID:		MBLK-222322									Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/09/2024	
Antimony		1.0	S	2.0	0.4500	0	454.7	-100	100	05/03/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/07/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/03/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/03/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/03/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/03/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/03/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/03/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/06/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/03/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/03/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/03/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/03/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/03/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/03/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/03/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/03/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/03/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/03/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222322 SampType: LCS

Units µg/L

SampleID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1800	2000	0	89.8	80	120	05/09/2024
Antimony		1.0	B	440	500.0	0	87.9	80	120	05/03/2024
Antimony		1.0		447	500.0	0	89.5	80	120	05/07/2024
Arsenic		1.0		473	500.0	0	94.7	80	120	05/07/2024
Barium		1.0		2130	2000	0	106.6	80	120	05/03/2024
Beryllium		1.0		46.0	50.00	0	92.1	80	120	05/03/2024
Boron		25.0		471	500.0	0	94.2	80	120	05/03/2024
Cadmium		1.0		52.2	50.00	0	104.5	80	120	05/03/2024
Chromium		1.5		194	200.0	0	96.8	80	120	05/03/2024
Cobalt		1.0		454	500.0	0	90.8	80	120	05/03/2024
Copper		1.0		223	250.0	0	89.1	80	120	05/06/2024
Iron		25.0		1850	2000	0	92.3	80	120	05/03/2024
Lead		1.0		461	500.0	0	92.1	80	120	05/03/2024
Manganese		2.0		489	500.0	0	97.9	80	120	05/03/2024
Molybdenum		1.5		437	500.0	0	87.5	80	120	05/03/2024
Nickel		1.0		454	500.0	0	90.8	80	120	05/03/2024
Selenium		1.0		481	500.0	0	96.3	80	120	05/03/2024
Silver		1.0		45.9	50.00	0	91.7	80	120	05/03/2024
Thallium		2.0		229	250.0	0	91.5	80	120	05/03/2024
Vanadium		5.0		448	500.0	0	89.6	80	120	05/03/2024
Zinc		15.0		443	500.0	0	88.6	80	120	05/03/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222322		SampType: MS		Units µg/L							Date Analyzed	
SampID: 24041541-022CMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Antimony		1.0		478	500.0	0	95.5	75	125	05/07/2024		
Arsenic		1.0		487	500.0	0	97.4	75	125	05/07/2024		
Barium		1.0		2130	2000	70.24	102.9	75	125	05/03/2024		
Beryllium		1.0		45.8	50.00	0	91.6	75	125	05/03/2024		
Boron		25.0		474	500.0	0	94.8	75	125	05/03/2024		
Cadmium		1.0		51.1	50.00	0	102.3	75	125	05/03/2024		
Chromium		1.5		180	200.0	0.9334	89.6	75	125	05/03/2024		
Cobalt		1.0		427	500.0	0	85.4	75	125	05/03/2024		
Copper		1.0		215	250.0	1.306	85.6	75	125	05/06/2024		
Iron		25.0		1770	2000	0	88.3	75	125	05/03/2024		
Lead		1.0		460	500.0	0	92.1	75	125	05/03/2024		
Manganese		2.0		489	500.0	42.22	89.3	75	125	05/03/2024		
Nickel		1.0		420	500.0	0.5959	83.9	75	125	05/03/2024		
Selenium		1.0		469	500.0	0	93.8	75	125	05/03/2024		
Silver		1.0		44.0	50.00	0	88.0	75	125	05/03/2024		
Thallium		2.0		221	250.0	0	88.5	75	125	05/03/2024		
Vanadium		5.0		427	500.0	0	85.4	75	125	05/03/2024		
Zinc		15.0		420	500.0	0	84.1	75	125	05/03/2024		



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222322		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-022CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		463	500.0	0	92.5	477.5	3.17	05/07/2024
Arsenic		1.0		461	500.0	0	92.2	486.9	5.51	05/07/2024
Barium		1.0		2090	2000	70.24	100.9	2128	1.84	05/03/2024
Beryllium		1.0		44.9	50.00	0	89.7	45.79	2.03	05/03/2024
Boron		25.0		460	500.0	0	91.9	473.9	3.08	05/03/2024
Cadmium		1.0		50.1	50.00	0	100.2	51.15	2.04	05/03/2024
Chromium		1.5		174	200.0	0.9334	86.3	180.0	3.64	05/03/2024
Cobalt		1.0		416	500.0	0	83.3	426.8	2.46	05/03/2024
Copper		1.0		216	250.0	1.306	85.9	215.3	0.41	05/06/2024
Iron		25.0		1720	2000	0	85.9	1767	2.81	05/03/2024
Lead		1.0		451	500.0	0	90.2	460.5	2.08	05/03/2024
Manganese		2.0		477	500.0	42.22	87.0	488.7	2.38	05/03/2024
Nickel		1.0		414	500.0	0.5959	82.7	420.0	1.43	05/03/2024
Selenium		1.0		449	500.0	0	89.7	468.9	4.39	05/03/2024
Silver		1.0		42.9	50.00	0	85.7	43.98	2.57	05/03/2024
Thallium		2.0		218	250.0	0	87.2	221.2	1.49	05/03/2024
Vanadium		5.0		423	500.0	0	84.6	427.0	1.00	05/03/2024
Zinc		15.0		407	500.0	0	81.4	420.4	3.17	05/03/2024

Batch 222322		SampType: MS		Units µg/L						
SampleID: 24042058-006GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	430	500.0	0	86.0	75	125	05/03/2024
Arsenic		1.0		470	500.0	0	94.0	75	125	05/07/2024
Lead		1.0		451	500.0	0	90.2	75	125	05/03/2024
Selenium		1.0		449	500.0	0	89.8	75	125	05/03/2024
Thallium		2.0		220	250.0	0	87.9	75	125	05/03/2024

Batch 222322		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24042058-006GMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Antimony			1.0	B	450	500.0	0	90.0	429.9	4.58	05/03/2024
Arsenic			1.0		474	500.0	0	94.7	469.9	0.79	05/07/2024
Lead			1.0		449	500.0	0	89.8	451.1	0.52	05/03/2024
Selenium			1.0		461	500.0	0	92.1	449.2	2.49	05/03/2024
Thallium			2.0		221	250.0	0	88.3	219.8	0.46	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222415		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-222415												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100			
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100			
Barium		1.0		< 1.0	0.7000	0	0	-100	100			
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100			
Boron		25.0		< 25.0	9.250	0	0	-100	100			
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100			
Chromium		1.5		< 1.5	0.7000	0	0	-100	100			
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100			
Copper		1.0		< 1.0	0.3000	0	0	-100	100			
Iron		25.0		< 25.0	11.50	0	0	-100	100			
Lead		1.0		< 1.0	0.6000	0	0	-100	100			
Manganese		2.0		< 2.0	0.7500	0	0	-100	100			
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100			
Nickel		1.0		< 1.0	0.4300	0	0	-100	100			
Selenium		1.0		< 1.0	0.6000	0	0	-100	100			
Silver		1.0		< 1.0	0.1000	0	0	-100	100			
Thallium		2.0		< 2.0	0.9500	0	0	-100	100			
Vanadium		5.0		< 5.0	5.000	0	0	-100	100			
Zinc		15.0		< 15.0	5.900	0	0	-100	100			



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222415		SampType: LCS		Units µg/L							
SampID: LCS-222415											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1880	2000	0	93.8	80	120	05/09/2024	
Antimony		1.0		513	500.0	0	102.5	80	120	05/10/2024	
Arsenic		1.0		507	500.0	0	101.4	80	120	05/07/2024	
Barium		1.0		2290	2000	0	114.6	80	120	05/07/2024	
Beryllium		1.0		46.9	50.00	0	93.9	80	120	05/08/2024	
Boron		25.0		485	500.0	0	96.9	80	120	05/08/2024	
Cadmium		1.0		50.6	50.00	0	101.2	80	120	05/07/2024	
Chromium		1.5		195	200.0	0	97.7	80	120	05/08/2024	
Cobalt		1.0		475	500.0	0	95.0	80	120	05/08/2024	
Copper		1.0		242	250.0	0	96.8	80	120	05/08/2024	
Iron		25.0		1810	2000	0	90.3	80	120	05/08/2024	
Lead		1.0		507	500.0	0	101.5	80	120	05/07/2024	
Manganese		2.0		492	500.0	0	98.3	80	120	05/08/2024	
Molybdenum		1.5		487	500.0	0	97.3	80	120	05/07/2024	
Nickel		1.0		469	500.0	0	93.8	80	120	05/08/2024	
Selenium		1.0		537	500.0	0	107.5	80	120	05/07/2024	
Silver		1.0		42.4	50.00	0	84.8	80	120	05/10/2024	
Thallium		2.0		247	250.0	0	98.7	80	120	05/07/2024	
Vanadium		5.0		456	500.0	0	91.2	80	120	05/08/2024	
Zinc		15.0		451	500.0	0	90.3	80	120	05/08/2024	

Batch 222415		SampType: MS		Units µg/L							
SampID: 24041541-010GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		438	500.0	0	87.6	75	125	05/10/2024	
Arsenic		1.0		524	500.0	0	104.8	75	125	05/07/2024	
Barium		1.0		2310	2000	51.62	113.1	75	125	05/07/2024	
Boron		25.0		490	500.0	0	98.1	75	125	05/08/2024	
Cadmium		1.0		50.3	50.00	0	100.6	75	125	05/07/2024	
Chromium		1.5		192	200.0	0	95.8	75	125	05/08/2024	
Cobalt		1.0		465	500.0	0	93.0	75	125	05/08/2024	
Lead		1.0		511	500.0	0	102.3	75	125	05/07/2024	
Manganese		2.0		528	500.0	38.57	98.0	75	125	05/08/2024	
Zinc		15.0		454	500.0	0	90.8	75	125	05/08/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222415		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-010GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		458	500.0	0	91.7	437.8	4.59	05/10/2024
Arsenic		1.0		510	500.0	0	102.0	523.9	2.74	05/07/2024
Barium		1.0		2270	2000	51.62	110.9	2313	1.93	05/07/2024
Boron		25.0		466	500.0	0	93.3	490.4	5.02	05/08/2024
Cadmium		1.0		49.6	50.00	0	99.2	50.32	1.48	05/07/2024
Chromium		1.5		183	200.0	0	91.4	191.5	4.67	05/08/2024
Cobalt		1.0		440	500.0	0	88.0	465.1	5.61	05/08/2024
Lead		1.0		501	500.0	0	100.2	511.3	2.05	05/07/2024
Manganese		2.0		497	500.0	38.57	91.6	528.5	6.23	05/08/2024
Zinc		15.0		417	500.0	0	83.4	454.0	8.46	05/08/2024

Batch 222458		SampType: MBLK		Units µg/L						
SampID: MBLK-222458										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/14/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/14/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/14/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/14/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/14/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/14/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/15/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/14/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/14/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/14/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/14/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/14/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/14/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/14/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/14/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/14/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/14/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222458		SampType: LCS		Units µg/L							
SampID: LCS-222458											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2360	2000	0	117.9	80	120	05/14/2024	
Antimony		1.0		445	500.0	0	88.9	80	120	05/14/2024	
Arsenic		1.0		473	500.0	0	94.6	80	120	05/14/2024	
Barium		1.0		2100	2000	0	105.0	80	120	05/15/2024	
Beryllium		1.0		57.7	50.00	0	115.4	80	120	05/14/2024	
Boron		25.0		564	500.0	0	112.9	80	120	05/14/2024	
Cadmium		1.0		59.5	50.00	0	119.1	80	120	05/14/2024	
Chromium		1.5		204	200.0	0	102.2	80	120	05/15/2024	
Cobalt		1.0		558	500.0	0	111.6	80	120	05/15/2024	
Copper		1.0		249	250.0	0	99.8	80	120	05/15/2024	
Iron		25.0		2330	2000	0	116.6	80	120	05/14/2024	
Lead		1.0		508	500.0	0	101.6	80	120	05/15/2024	
Manganese		2.0		597	500.0	0	119.3	80	120	05/14/2024	
Molybdenum		1.5		545	500.0	0	109.0	80	120	05/14/2024	
Nickel		1.0		586	500.0	0	117.3	80	120	05/14/2024	
Selenium		1.0		572	500.0	0	114.5	80	120	05/14/2024	
Silver		1.0		55.6	50.00	0	111.1	80	120	05/14/2024	
Thallium		2.0		288	250.0	0	115.1	80	120	05/14/2024	
Vanadium		5.0		579	500.0	0	115.8	80	120	05/14/2024	
Zinc		15.0		556	500.0	0	111.3	80	120	05/14/2024	

Batch 222458		SampType: MS		Units µg/L							
SampID: 24041541-018GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		882	1000	0	88.2	75	125	05/16/2024	
Arsenic		1.0		1020	1000	0	102.3	75	125	05/14/2024	
Barium		1.0		4090	4000	62.86	100.8	75	125	05/15/2024	
Boron		25.0		1050	1000	9.949	104.0	75	125	05/14/2024	
Cadmium		1.0		89.9	100.0	0	89.9	75	125	05/15/2024	
Chromium		1.5		343	400.0	0.9918	85.4	75	125	05/15/2024	
Cobalt		1.0		909	1000	0	90.9	75	125	05/15/2024	
Lead		1.0		854	1000	0	85.4	75	125	05/15/2024	
Manganese		2.0		1130	1000	68.13	106.5	75	125	05/14/2024	
Zinc		15.0		939	1000	0	93.9	75	125	05/14/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222458		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-018GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		900	1000	0	90.0	881.6	2.03	05/16/2024
Arsenic		1.0		909	1000	0	90.9	1023	11.83	05/14/2024
Barium		1.0		3960	4000	62.86	97.4	4094	3.33	05/15/2024
Boron		25.0		903	1000	9.949	89.3	1050	15.00	05/14/2024
Cadmium		1.0		85.0	100.0	0	85.0	89.87	5.56	05/15/2024
Chromium		1.5		334	400.0	0.9918	83.2	342.6	2.65	05/15/2024
Cobalt		1.0		898	1000	0	89.8	908.7	1.23	05/15/2024
Lead		1.0		857	1000	0	85.7	853.6	0.34	05/15/2024
Manganese		2.0		992	1000	68.13	92.4	1133	13.22	05/14/2024
Zinc		15.0		829	1000	0	82.9	939.3	12.46	05/14/2024

Batch 222458		SampType: MS		Units µg/L						
SampID: 24050001-008EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		477	500.0	2.968	94.8	75	125	05/15/2024
Lead		1.0		475	500.0	0	95.0	75	125	05/15/2024

Batch 222458		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24050001-008EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic			1.0		490	500.0	2.968	97.5	476.9	2.75	05/15/2024
Lead			1.0		484	500.0	0	96.8	475.0	1.91	05/15/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	222460	SampType:	MBLK	Units µg/L							
SampID:		MBLK-222460									Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/08/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/08/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/08/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/08/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/07/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/08/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/08/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/08/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/08/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/08/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/07/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/08/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/07/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/07/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/08/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222460		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-222460											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1680	2000	0	83.8	80	120	05/08/2024	
Antimony		1.0		440	500.0	0	88.0	80	120	05/08/2024	
Arsenic		1.0		473	500.0	0	94.7	80	120	05/07/2024	
Beryllium		1.0		43.9	50.00	0	87.9	80	120	05/08/2024	
Boron		25.0		441	500.0	0	88.3	80	120	05/08/2024	
Cadmium		1.0		47.2	50.00	0	94.3	80	120	05/07/2024	
Chromium		1.5		184	200.0	0	91.8	80	120	05/08/2024	
Cobalt		1.0		464	500.0	0	92.7	80	120	05/08/2024	
Copper		1.0		240	250.0	0	95.9	80	120	05/08/2024	
Iron		25.0		1730	2000	0	86.6	80	120	05/08/2024	
Lead		1.0		477	500.0	0	95.4	80	120	05/07/2024	
Manganese		2.0		455	500.0	0	91.1	80	120	05/08/2024	
Molybdenum		1.5		479	500.0	0	95.9	80	120	05/07/2024	
Nickel		1.0		462	500.0	0	92.4	80	120	05/08/2024	
Selenium		1.0		495	500.0	0	99.0	80	120	05/07/2024	
Silver		1.0		43.3	50.00	0	86.7	80	120	05/07/2024	
Thallium		2.0		235	250.0	0	93.9	80	120	05/07/2024	
Vanadium		5.0		446	500.0	0	89.2	80	120	05/08/2024	
Zinc		15.0		411	500.0	0	82.3	80	120	05/08/2024	

Batch 222460		SampType: MS		Units µg/L						
SampID: 24041541-004GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		424	500.0	0	84.8	75	125	05/08/2024
Arsenic		1.0		478	500.0	0	95.5	75	125	05/07/2024
Barium		1.0		2120	2000	16.75	105.0	75	125	05/07/2024
Boron		25.0		451	500.0	0	90.1	75	125	05/08/2024
Cadmium		1.0		46.0	50.00	0	92.1	75	125	05/07/2024
Chromium		1.5		179	200.0	0.7767	89.2	75	125	05/08/2024
Cobalt		1.0		436	500.0	0	87.2	75	125	05/08/2024
Lead		1.0		482	500.0	0	96.4	75	125	05/07/2024
Manganese		2.0		453	500.0	0	90.6	75	125	05/08/2024
Zinc		15.0		408	500.0	0	81.7	75	125	05/08/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222460		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-004GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		457	500.0	0	91.5	423.8	7.63	05/08/2024
Arsenic		1.0		492	500.0	0	98.5	477.5	3.06	05/07/2024
Barium		1.0		2170	2000	16.75	107.5	2117	2.31	05/07/2024
Boron		25.0		470	500.0	0	94.0	450.5	4.19	05/08/2024
Cadmium		1.0		46.8	50.00	0	93.7	46.04	1.70	05/07/2024
Chromium		1.5		181	200.0	0.7767	90.3	179.2	1.23	05/08/2024
Cobalt		1.0		444	500.0	0	88.8	436.2	1.78	05/08/2024
Lead		1.0		486	500.0	0	97.2	481.9	0.82	05/07/2024
Manganese		2.0		458	500.0	0	91.6	453.0	1.05	05/08/2024
Zinc		15.0		400	500.0	0	80.1	408.4	2.02	05/08/2024

Batch 222799		SampType: MBLK		Units µg/L						
SampID: MBLK-222799										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/14/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/14/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/14/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/14/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/14/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/14/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/14/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/14/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/14/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/14/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/14/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/16/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/14/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/14/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/14/2024
Zinc		15.0	S	16.5	5.900	0	280.3	-100	100	05/14/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222799		SampType: LCS		Units µg/L							
SampleID: LCS-222799											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1800	2000	0	89.8	80	120	05/14/2024	
Antimony		1.0		435	500.0	0	86.9	80	120	05/14/2024	
Arsenic		1.0		464	500.0	0	92.9	80	120	05/14/2024	
Barium		1.0		1860	2000	0	93.2	80	120	05/14/2024	
Beryllium		1.0		42.9	50.00	0	85.7	80	120	05/14/2024	
Boron		25.0		433	500.0	0	86.7	80	120	05/14/2024	
Cadmium		1.0		44.9	50.00	0	89.8	80	120	05/14/2024	
Chromium		1.5		187	200.0	0	93.5	80	120	05/14/2024	
Cobalt		1.0		448	500.0	0	89.5	80	120	05/14/2024	
Copper		1.0		227	250.0	0	90.8	80	120	05/14/2024	
Iron		25.0		1780	2000	0	88.9	80	120	05/14/2024	
Lead		1.0		466	500.0	0	93.1	80	120	05/14/2024	
Manganese		2.0		458	500.0	0	91.6	80	120	05/14/2024	
Molybdenum		1.5		432	500.0	0	86.3	80	120	05/14/2024	
Nickel		1.0		447	500.0	0	89.3	80	120	05/14/2024	
Selenium		1.0		504	500.0	0	100.8	80	120	05/14/2024	
Silver		1.0		43.2	50.00	0	86.4	80	120	05/14/2024	
Thallium		2.0		228	250.0	0	91.3	80	120	05/14/2024	
Vanadium		5.0		447	500.0	0	89.3	80	120	05/14/2024	
Zinc		15.0	B	418	500.0	0	83.6	80	120	05/14/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222799 SampType: MS

Units µg/L

SampleID: 24041541-042DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1820	2000	0	90.8	75	125	05/14/2024
Antimony		1.0		499	500.0	0.5213	99.8	75	125	05/14/2024
Arsenic		1.0		461	500.0	0	92.1	75	125	05/14/2024
Barium		1.0		1860	2000	33.16	91.4	75	125	05/14/2024
Beryllium		1.0		46.4	50.00	0	92.8	75	125	05/14/2024
Boron		25.0		461	500.0	0	92.2	75	125	05/14/2024
Cadmium		1.0		46.7	50.00	0	93.4	75	125	05/14/2024
Chromium		1.5		188	200.0	0.8191	93.5	75	125	05/14/2024
Cobalt		1.0		451	500.0	0	90.1	75	125	05/14/2024
Copper		1.0		227	250.0	0	90.9	75	125	05/14/2024
Iron		25.0		1820	2000	22.62	89.6	75	125	05/14/2024
Lead		1.0		460	500.0	0	92.0	75	125	05/14/2024
Manganese		2.0		494	500.0	33.81	92.0	75	125	05/14/2024
Molybdenum		1.5		426	500.0	0	85.1	75	125	05/17/2024
Nickel		1.0		453	500.0	0	90.7	75	125	05/14/2024
Selenium		1.0		459	500.0	0.7015	91.6	75	125	05/14/2024
Silver		1.0		42.9	50.00	0	85.8	75	125	05/14/2024
Thallium		2.0		217	250.0	0	86.8	75	125	05/14/2024
Vanadium		5.0		453	500.0	0	90.5	75	125	05/14/2024
Zinc		15.0	B	433	500.0	0	86.6	75	125	05/14/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	222799	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24041541-042DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		1830	2000	0	91.5	1815	0.83	05/14/2024
Antimony			1.0		503	500.0	0.5213	100.5	499.3	0.79	05/14/2024
Arsenic			1.0		454	500.0	0	90.7	460.6	1.54	05/14/2024
Barium			1.0		1880	2000	33.16	92.5	1860	1.20	05/14/2024
Beryllium			1.0		45.9	50.00	0	91.8	46.42	1.07	05/14/2024
Boron			25.0		463	500.0	0	92.5	461.0	0.36	05/14/2024
Cadmium			1.0		46.5	50.00	0	92.9	46.70	0.49	05/14/2024
Chromium			1.5		188	200.0	0.8191	93.6	187.8	0.15	05/14/2024
Cobalt			1.0		447	500.0	0	89.4	450.6	0.78	05/14/2024
Copper			1.0		224	250.0	0	89.6	227.1	1.35	05/14/2024
Iron			25.0		1810	2000	22.62	89.5	1816	0.21	05/14/2024
Lead			1.0		459	500.0	0	91.8	460.2	0.28	05/14/2024
Manganese			2.0		491	500.0	33.81	91.4	493.8	0.65	05/14/2024
Molybdenum			1.5		428	500.0	0	85.7	425.7	0.64	05/17/2024
Nickel			1.0		445	500.0	0	89.0	453.3	1.85	05/14/2024
Selenium			1.0		450	500.0	0.7015	89.9	458.8	1.88	05/14/2024
Silver			1.0		43.0	50.00	0	86.0	42.88	0.25	05/14/2024
Thallium			2.0		218	250.0	0	87.2	217.0	0.50	05/14/2024
Vanadium			5.0		453	500.0	0	90.7	452.6	0.15	05/14/2024
Zinc			15.0	B	427	500.0	0	85.5	432.9	1.28	05/14/2024

Batch 222799		SampType: MS		Units µg/L						
SampID: 24050464-001GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		473	500.0	0	94.7	75	125	05/16/2024
Arsenic		1.0		500	500.0	0	100.1	75	125	05/16/2024
Lead		1.0		500	500.0	0	100.0	75	125	05/16/2024
Selenium		1.0		512	500.0	0	102.4	75	125	05/16/2024
Thallium		2.0		239	250.0	0	95.5	75	125	05/16/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 222799		SampType: MSD		Units µg/L					RPD Limit 20		Date Analyzed
SampID: 24050464-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Antimony			1.0		472	500.0	0	94.4	473.4	0.27	05/16/2024
Arsenic			1.0		488	500.0	0	97.6	500.5	2.55	05/16/2024
Lead			1.0		476	500.0	0	95.1	500.2	5.04	05/16/2024
Selenium			1.0		508	500.0	0	101.7	512.0	0.72	05/16/2024
Thallium			2.0		235	250.0	0	94.2	238.9	1.47	05/16/2024

Batch 223767		SampType: MBLK		Units µg/L						
SampID: MBLK-223767										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	06/04/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	06/04/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	06/04/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	06/04/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	06/04/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	06/04/2024

Batch 223767		SampType: LCS		Units µg/L						
SampID: LCS-223767										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		412	500.0	0	82.4	80	120	06/04/2024
Barium		1.0		1740	2000	0	86.9	80	120	06/04/2024
Copper		1.0		218	250.0	0	87.2	80	120	06/04/2024
Lead		1.0		425	500.0	0	85.0	80	120	06/04/2024
Nickel		1.0		425	500.0	0	84.9	80	120	06/04/2024
Zinc		15.0		427	500.0	0	85.4	80	120	06/04/2024

Batch 223767		SampType: MS		Units µg/L							
SampID: 24041541-034DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nickel		1.0		423	500.0	0	84.5	75	125	06/04/2024	

Batch 223767		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24041541-034DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nickel			1.0		391	500.0	0	78.3	422.5	7.62	06/04/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 223767		SampType: MS		Units µg/L							
SampID: 24041541-086DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Barium		1.0		2010	2000	65.55	97.5	75	125	06/04/2024	

Batch 223767		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-086DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Barium		1.0		1730	2000	65.55	83.2	2015	15.25	06/04/2024

Batch 224006		SampType: MBLK		Units µg/L							
SampID: MBLK-224006											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	06/06/2024	

Batch 224006		SampType: LCS		Units µg/L							
SampID: LCS-224006											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		447	500.0	0	89.4	80	120	06/06/2024	

Batch 224006		SampType: MS		Units µg/L							
SampID: 24041541-021GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		807	1000	0	80.7	75	125	06/06/2024	

Batch 224006		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24041541-021GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony			1.0	R	989	1000	0	98.9	807.0	20.24	06/06/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222328 SampType: MBLK Units µg/L

SampleID: MBLK-222328

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/07/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/09/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/07/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/07/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/07/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/07/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/07/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/07/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/07/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/07/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/07/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/07/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/07/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/07/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/07/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/07/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/07/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/07/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	222328	SampType:	LCS	Units µg/L							
SampID:		LCS-222328									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		1950	2000	0	97.3	80	120	05/07/2024
Antimony			1.0		545	500.0	0	108.9	80	120	05/09/2024
Arsenic			1.0		536	500.0	0	107.2	80	120	05/07/2024
Barium			1.0		2340	2000	0	116.8	80	120	05/07/2024
Beryllium			1.0		55.1	50.00	0	110.2	80	120	05/07/2024
Boron			25.0		556	500.0	0	111.2	80	120	05/07/2024
Cadmium			1.0		54.9	50.00	0	109.8	80	120	05/07/2024
Chromium			1.5		230	200.0	0	115.2	80	120	05/07/2024
Cobalt			1.0		530	500.0	0	106.0	80	120	05/07/2024
Copper			1.0		282	250.0	0	112.9	80	120	05/07/2024
Iron			25.0		2100	2000	0	105.2	80	120	05/07/2024
Lead			1.0		532	500.0	0	106.5	80	120	05/07/2024
Lithium		*	3.0		567	500.0	0	113.4	80	120	05/07/2024
Manganese			2.0		548	500.0	0	109.5	80	120	05/07/2024
Molybdenum			1.5		529	500.0	0	105.7	80	120	05/07/2024
Nickel			1.0		558	500.0	0	111.6	80	120	05/07/2024
Selenium			1.0		547	500.0	0	109.3	80	120	05/07/2024
Silver			1.0		50.7	50.00	0	101.5	80	120	05/07/2024
Thallium			2.0		259	250.0	0	103.5	80	120	05/07/2024
Vanadium			5.0		544	500.0	0	108.8	80	120	05/07/2024
Zinc			15.0		512	500.0	0	102.5	80	120	05/07/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222328		SampType: MS		Units µg/L						
SampID: 24041541-069BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		540	500.0	0	108.0	75	125	05/09/2024
Arsenic		1.0		543	500.0	0.6306	108.4	75	125	05/07/2024
Barium		1.0		2390	2000	15.20	118.6	75	125	05/07/2024
Beryllium		1.0		52.2	50.00	0	104.4	75	125	05/07/2024
Boron		25.0		665	500.0	132.8	106.4	75	125	05/07/2024
Cadmium		1.0		52.8	50.00	0	105.5	75	125	05/07/2024
Chromium		1.5		221	200.0	5.957	107.3	75	125	05/07/2024
Cobalt		1.0		527	500.0	2.055	105.1	75	125	05/07/2024
Lead		1.0		555	500.0	0	111.0	75	125	05/07/2024
Lithium	*	3.0		554	500.0	5.324	109.7	75	125	05/07/2024
Molybdenum		1.5		494	500.0	1.568	98.4	75	125	05/07/2024
Selenium		1.0		532	500.0	0	106.5	75	125	05/07/2024
Thallium		2.0		278	250.0	0	111.1	75	125	05/07/2024

Batch 222328		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-069BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		535	500.0	0	106.9	540.0	0.99	05/09/2024
Arsenic		1.0		553	500.0	0.6306	110.5	542.6	1.92	05/07/2024
Barium		1.0		2340	2000	15.20	116.3	2387	1.91	05/07/2024
Beryllium		1.0		51.7	50.00	0	103.3	52.19	1.01	05/07/2024
Boron		25.0		654	500.0	132.8	104.3	664.7	1.61	05/07/2024
Cadmium		1.0		51.3	50.00	0	102.5	52.77	2.93	05/07/2024
Chromium		1.5		220	200.0	5.957	107.1	220.6	0.16	05/07/2024
Cobalt		1.0		519	500.0	2.055	103.3	527.4	1.69	05/07/2024
Lead		1.0		548	500.0	0	109.5	555.1	1.37	05/07/2024
Lithium	*	3.0		537	500.0	5.324	106.4	554.0	3.09	05/07/2024
Molybdenum		1.5		485	500.0	1.568	96.7	493.7	1.82	05/07/2024
Selenium		1.0		542	500.0	0	108.4	532.3	1.86	05/07/2024
Thallium		2.0		274	250.0	0	109.8	277.8	1.21	05/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222392 SampType: MBLK Units µg/L

SampleID: MBLK-222392

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/07/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/09/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/07/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/07/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/07/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/07/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/08/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/07/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/07/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/07/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/07/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/07/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/07/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/07/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/07/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/07/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/07/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/07/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	222392	SampType:	LCS	Units µg/L							
SampleID:		LCS-222392									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		1930	2000	0	96.6	80	120	05/07/2024
Antimony			1.0		539	500.0	0	107.9	80	120	05/09/2024
Arsenic			1.0		533	500.0	0	106.7	80	120	05/07/2024
Barium			1.0		2320	2000	0	115.8	80	120	05/07/2024
Beryllium			1.0		53.9	50.00	0	107.9	80	120	05/07/2024
Boron			25.0		533	500.0	0	106.6	80	120	05/07/2024
Cadmium			1.0		51.0	50.00	0	102.1	80	120	05/07/2024
Chromium			1.5		199	200.0	0	99.3	80	120	05/08/2024
Cobalt			1.0		529	500.0	0	105.8	80	120	05/07/2024
Copper			1.0		276	250.0	0	110.3	80	120	05/07/2024
Iron			25.0		2070	2000	0	103.5	80	120	05/07/2024
Lead			1.0		528	500.0	0	105.5	80	120	05/07/2024
Lithium		*	3.0		534	500.0	0	106.8	80	120	05/07/2024
Manganese			2.0		534	500.0	0	106.8	80	120	05/07/2024
Molybdenum			1.5		511	500.0	0	102.2	80	120	05/07/2024
Nickel			1.0		532	500.0	0	106.4	80	120	05/07/2024
Selenium			1.0		543	500.0	0	108.5	80	120	05/07/2024
Silver			1.0		48.2	50.00	0	96.3	80	120	05/07/2024
Thallium			2.0		257	250.0	0	102.7	80	120	05/07/2024
Vanadium			5.0		538	500.0	0	107.6	80	120	05/07/2024
Zinc			15.0		503	500.0	0	100.6	80	120	05/07/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222414 SampType: MBLK Units µg/L

SampleID: MBLK-222414

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/09/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/10/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/10/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/09/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/09/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/09/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/10/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/09/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/09/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/09/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/09/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/09/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/09/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/09/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/09/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/09/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/09/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222414		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-222414												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		1920	2000	0	96.1	80	120	05/09/2024		
Antimony		1.0		565	500.0	0	113.0	80	120	05/10/2024		
Arsenic		1.0		529	500.0	0	105.9	80	120	05/10/2024		
Barium		1.0		2250	2000	0	112.7	80	120	05/09/2024		
Beryllium		1.0		50.4	50.00	0	100.9	80	120	05/09/2024		
Boron		25.0		507	500.0	0	101.4	80	120	05/09/2024		
Cadmium		1.0		51.7	50.00	0	103.4	80	120	05/13/2024		
Cadmium		1.0		51.7	50.00	0	103.4	80	120	05/13/2024		
Chromium		1.5		208	200.0	0	104.0	80	120	05/09/2024		
Cobalt		1.0		530	500.0	0	106.1	80	120	05/10/2024		
Copper		1.0		254	250.0	0	101.5	80	120	05/09/2024		
Iron		25.0		1970	2000	0	98.4	80	120	05/09/2024		
Lead		1.0		502	500.0	0	100.5	80	120	05/09/2024		
Lithium	*	3.0		518	500.0	0	103.6	80	120	05/09/2024		
Manganese		2.0		511	500.0	0	102.3	80	120	05/09/2024		
Molybdenum		1.5		479	500.0	0	95.8	80	120	05/09/2024		
Nickel		1.0		493	500.0	0	98.6	80	120	05/09/2024		
Selenium		1.0		536	500.0	0	107.2	80	120	05/09/2024		
Thallium		2.0		244	250.0	0	97.7	80	120	05/09/2024		
Vanadium		5.0		496	500.0	0	99.2	80	120	05/09/2024		
Zinc		15.0		481	500.0	0	96.3	80	120	05/09/2024		



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222461 SampType: MBLK Units µg/L

SampID: MBLK-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/09/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/08/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/10/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/08/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/10/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/10/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/09/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/10/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/09/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/10/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/09/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/10/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/09/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/10/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/09/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/10/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/08/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/09/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/10/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/09/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/10/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/16/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/10/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/10/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/08/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/10/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/08/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/09/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/10/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/10/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/09/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222461 SampType: MBLK Units µg/L

SampID: MBLK-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed

Batch 222461 SampType: LCS Units µg/L

SampID: LCS-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		475	500.0	0	95.0	80	120	05/08/2024
Antimony		1.0		560	500.0	0	112.1	80	120	05/10/2024
Arsenic		1.0		498	500.0	0	99.6	80	120	05/08/2024
Arsenic		1.0		510	500.0	0	101.9	80	120	05/10/2024
Barium		1.0		2180	2000	0	108.9	80	120	05/09/2024
Beryllium		1.0		48.3	50.00	0	96.6	80	120	05/10/2024
Boron		25.0		485	500.0	0	96.9	80	120	05/10/2024
Cadmium		1.0		54.6	50.00	0	109.3	80	120	05/13/2024
Chromium		1.5		205	200.0	0	102.7	80	120	05/10/2024
Cobalt		1.0		510	500.0	0	102.0	80	120	05/10/2024
Copper		1.0		259	250.0	0	103.6	80	120	05/10/2024
Iron		25.0		1970	2000	0	98.7	80	120	05/10/2024
Lead		1.0		502	500.0	0	100.3	80	120	05/08/2024
Lithium	*	3.0		482	500.0	0	96.4	80	120	05/10/2024
Manganese		2.0		515	500.0	0	102.9	80	120	05/10/2024
Molybdenum		1.5		417	500.0	0	83.5	80	120	05/16/2024
Nickel		1.0		514	500.0	0	102.8	80	120	05/10/2024
Selenium		1.0		524	500.0	0	104.7	80	120	05/10/2024
Selenium		1.0		490	500.0	0	98.1	80	120	05/08/2024
Silver		1.0		45.5	50.00	0	91.0	80	120	05/10/2024
Thallium		2.0		239	250.0	0	95.4	80	120	05/09/2024
Vanadium		5.0		490	500.0	0	98.1	80	120	05/10/2024
Zinc		15.0		469	500.0	0	93.9	80	120	05/10/2024

Batch 222461 SampType: MS Units µg/L

SampID: 24050273-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		475	500.0	0.5302	94.8	75	125	05/08/2024
Arsenic		1.0		477	500.0	1.562	95.1	75	125	05/08/2024
Lead		1.0		495	500.0	0	99.0	75	125	05/08/2024
Selenium		1.0		476	500.0	0	95.3	75	125	05/08/2024
Thallium		2.0		221	250.0	1.555	87.7	75	125	05/08/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222461		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24050273-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		457	500.0	0.5302	91.3	474.7	3.80	05/08/2024
Arsenic		1.0		474	500.0	1.562	94.4	477.3	0.74	05/08/2024
Lead		1.0		464	500.0	0	92.9	495.1	6.40	05/08/2024
Selenium		1.0		476	500.0	0	95.2	476.4	0.13	05/08/2024
Thallium		2.0		229	250.0	1.555	91.0	220.8	3.62	05/08/2024

Batch 222639		SampType: MBLK		Units µg/L							
SampID: MBLK-222639											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/13/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/14/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/10/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/13/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/13/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024	
Calcium		125		< 125	70.00	0	0	-100	100	05/13/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/13/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/13/2024	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/13/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/13/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/10/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/13/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/13/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/13/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/13/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/13/2024	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/13/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/10/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/13/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/13/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222639		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-222639												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		2150	2000	0	107.5	80	120	05/13/2024		
Antimony		1.0		589	500.0	0	117.7	80	120	05/14/2024		
Barium		1.0		2220	2000	0	110.9	80	120	05/10/2024		
Beryllium		1.0		51.5	50.00	0	103.0	80	120	05/13/2024		
Boron		25.0		488	500.0	0	97.6	80	120	05/13/2024		
Cadmium		1.0		53.9	50.00	0	107.7	80	120	05/13/2024		
Calcium		125		2790	2500	0	111.6	80	120	05/13/2024		
Chromium		1.5		218	200.0	0	109.1	80	120	05/13/2024		
Cobalt		1.0		531	500.0	0	106.3	80	120	05/13/2024		
Copper		1.0		272	250.0	0	108.9	80	120	05/13/2024		
Iron		25.0		2090	2000	0	104.7	80	120	05/13/2024		
Lead		1.0		499	500.0	0	99.7	80	120	05/10/2024		
Lithium	*	3.0		512	500.0	0	102.4	80	120	05/13/2024		
Manganese		2.0		545	500.0	0	109.0	80	120	05/13/2024		
Molybdenum		1.5		488	500.0	0	97.5	80	120	05/13/2024		
Nickel		1.0		522	500.0	0	104.4	80	120	05/13/2024		
Selenium		1.0		556	500.0	0	111.2	80	120	05/13/2024		
Silver		1.0		51.3	50.00	0	102.6	80	120	05/13/2024		
Thallium		2.0		240	250.0	0	96.0	80	120	05/10/2024		
Vanadium		5.0		521	500.0	0	104.2	80	120	05/13/2024		
Zinc		15.0		497	500.0	0	99.4	80	120	05/13/2024		



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222639		SampType: MS		Units µg/L						
SampleID: 24041541-053CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3000	2000	1001	100.0	75	125	05/13/2024
Antimony		1.0		595	500.0	0.5594	118.9	75	125	05/15/2024
Arsenic		1.0		508	500.0	0.5853	101.5	75	125	05/13/2024
Barium		1.0		2220	2000	49.59	108.7	75	125	05/10/2024
Beryllium		1.0		51.2	50.00	0	102.4	75	125	05/13/2024
Boron		25.0		479	500.0	0	95.7	75	125	05/13/2024
Cadmium		1.0		51.3	50.00	0	102.7	75	125	05/13/2024
Chromium		1.5		207	200.0	2.444	102.3	75	125	05/13/2024
Cobalt		1.0		488	500.0	0.4841	97.4	75	125	05/13/2024
Copper		1.0		240	250.0	1.764	95.2	75	125	05/13/2024
Iron		25.0		3140	2000	1179	98.3	75	125	05/13/2024
Lead		1.0		489	500.0	0.7038	97.7	75	125	05/10/2024
Lithium	*	3.0		508	500.0	4.660	100.6	75	125	05/13/2024
Manganese		2.0		541	500.0	34.07	101.4	75	125	05/13/2024
Molybdenum		1.5		462	500.0	1.025	92.2	75	125	05/13/2024
Nickel		1.0		472	500.0	1.787	94.1	75	125	05/13/2024
Selenium		1.0		516	500.0	0	103.2	75	125	05/13/2024
Silver		1.0		46.1	50.00	0	92.1	75	125	05/13/2024
Thallium		2.0		238	250.0	0	95.4	75	125	05/10/2024
Vanadium		5.0		500	500.0	0	99.9	75	125	05/13/2024
Zinc		15.0		465	500.0	0	93.0	75	125	05/13/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222639		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-053CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		3030	2000	1001	101.6	3000	1.10	05/13/2024
Antimony		1.0		568	500.0	0.5594	113.4	594.8	4.67	05/15/2024
Arsenic		1.0		532	500.0	0.5853	106.2	507.9	4.60	05/13/2024
Barium		1.0		2140	2000	49.59	104.5	2223	3.86	05/10/2024
Beryllium		1.0		52.0	50.00	0	104.1	51.22	1.59	05/13/2024
Boron		25.0		492	500.0	0	98.3	478.7	2.68	05/13/2024
Cadmium		1.0		50.9	50.00	0	101.9	51.34	0.81	05/13/2024
Chromium		1.5		213	200.0	2.444	105.0	207.0	2.65	05/13/2024
Cobalt		1.0		502	500.0	0.4841	100.3	487.6	2.86	05/13/2024
Copper		1.0		253	250.0	1.764	100.3	239.9	5.14	05/13/2024
Iron		25.0		3200	2000	1179	101.0	3145	1.74	05/13/2024
Lead		1.0		484	500.0	0.7038	96.6	489.2	1.11	05/10/2024
Lithium	*	3.0		527	500.0	4.660	104.5	507.7	3.76	05/13/2024
Manganese		2.0		564	500.0	34.07	105.9	541.3	4.05	05/13/2024
Molybdenum		1.5		473	500.0	1.025	94.5	461.8	2.48	05/13/2024
Nickel		1.0		489	500.0	1.787	97.4	472.0	3.48	05/13/2024
Selenium		1.0		540	500.0	0	108.0	515.9	4.58	05/13/2024
Silver		1.0		48.4	50.00	0	96.9	46.07	4.99	05/13/2024
Thallium		2.0		236	250.0	0	94.5	238.5	0.96	05/10/2024
Vanadium		5.0		509	500.0	0	101.8	499.7	1.83	05/13/2024
Zinc		15.0		480	500.0	0	96.0	464.8	3.24	05/13/2024

Batch 222639		SampType: MS		Units µg/L							
SampID: 24050465-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		694	500.0	157.0	107.5	75	125	05/13/2024	
Calcium		125	S	66100	2500	57460	344.3	75	125	05/13/2024	

Batch	222639	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24050465-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Beryllium			1.0		54.2	50.00	0	108.3	53.49	1.24	05/13/2024
Calcium			125	S	68600	2500	57460	445.0	66070	3.74	05/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222656 SampType: MBLK Units µg/L

SampleID: MBLK-222656

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/14/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/16/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/14/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/14/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/14/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/14/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/14/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/14/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/14/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/14/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/14/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/14/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/14/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/14/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/14/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/14/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/14/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/14/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	222656	SampType:	LCS	Units µg/L							
SampleID:		LCS-222656									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		1970	2000	0	98.6	80	120	05/14/2024	
Antimony		1.0	S	622	500.0	0	124.4	80	120	05/16/2024	
Arsenic		1.0		546	500.0	0	109.2	80	120	05/14/2024	
Barium		1.0		2230	2000	0	111.5	80	120	05/14/2024	
Beryllium		1.0		51.7	50.00	0	103.5	80	120	05/14/2024	
Boron		25.0		497	500.0	0	99.4	80	120	05/14/2024	
Cadmium		1.0		57.7	50.00	0	115.3	80	120	05/14/2024	
Chromium		1.5		220	200.0	0	110.0	80	120	05/14/2024	
Cobalt		1.0		573	500.0	0	114.7	80	120	05/14/2024	
Copper		1.0		279	250.0	0	111.7	80	120	05/14/2024	
Iron		25.0		2190	2000	0	109.4	80	120	05/14/2024	
Lead		1.0		562	500.0	0	112.3	80	120	05/14/2024	
Lithium	*	3.0		561	500.0	0	112.2	80	120	05/14/2024	
Manganese		2.0		597	500.0	0	119.4	80	120	05/14/2024	
Molybdenum		1.5		523	500.0	0	104.7	80	120	05/14/2024	
Nickel		1.0		535	500.0	0	107.0	80	120	05/14/2024	
Selenium		1.0		552	500.0	0	110.5	80	120	05/14/2024	
Silver		1.0		53.8	50.00	0	107.6	80	120	05/14/2024	
Thallium		2.0		267	250.0	0	106.9	80	120	05/14/2024	
Vanadium		5.0		556	500.0	0	111.3	80	120	05/14/2024	
Zinc		15.0		551	500.0	0	110.3	80	120	05/14/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222728 SampType: MBLK Units µg/L

SampleID: MBLK-222728

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/13/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/13/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/13/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/13/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/13/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/13/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/13/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/13/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/13/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/13/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/13/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/13/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/13/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/13/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/13/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/13/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/13/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/13/2024
Tin	*	5.0		< 5.0	0.5000	0	0	-100	100	05/16/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/13/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222728		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-222728											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1800	2000	0	90.2	80	120	05/13/2024	
Antimony		1.0		582	500.0	0	116.4	80	120	05/13/2024	
Arsenic		1.0		497	500.0	0	99.3	80	120	05/13/2024	
Barium		1.0		2270	2000	0	113.3	80	120	05/13/2024	
Beryllium		1.0		45.9	50.00	0	91.8	80	120	05/13/2024	
Boron		25.0		464	500.0	0	92.8	80	120	05/13/2024	
Cadmium		1.0		53.0	50.00	0	105.9	80	120	05/13/2024	
Chromium		1.5		202	200.0	0	100.8	80	120	05/13/2024	
Cobalt		1.0		528	500.0	0	105.6	80	120	05/13/2024	
Copper		1.0		260	250.0	0	103.9	80	120	05/13/2024	
Iron		25.0		2020	2000	0	101.2	80	120	05/13/2024	
Lead		1.0		520	500.0	0	104.0	80	120	05/13/2024	
Lithium	*	3.0		557	500.0	0	111.4	80	120	05/13/2024	
Manganese		2.0		541	500.0	0	108.2	80	120	05/13/2024	
Molybdenum		1.5		481	500.0	0	96.2	80	120	05/13/2024	
Nickel		1.0		556	500.0	0	111.2	80	120	05/13/2024	
Selenium		1.0		497	500.0	0	99.4	80	120	05/13/2024	
Silver		1.0		50.2	50.00	0	100.5	80	120	05/13/2024	
Thallium		2.0		246	250.0	0	98.4	80	120	05/13/2024	
Tin	*	5.0		431	500.0	0	86.3	80	120	05/16/2024	
Vanadium		5.0		517	500.0	0	103.5	80	120	05/13/2024	
Zinc		15.0		492	500.0	0	98.4	80	120	05/13/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 222728		SampType: MS		Units µg/L						
SampID: 24041541-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	S	627	500.0	0.8515	125.2	75	125	05/14/2024
Arsenic		1.0		534	500.0	0.7045	106.7	75	125	05/14/2024
Barium		1.0		2450	2000	47.32	120.0	75	125	05/14/2024
Beryllium		1.0		47.6	50.00	0	95.1	75	125	05/14/2024
Boron		25.0		1310	500.0	823.1	97.0	75	125	05/14/2024
Cadmium		1.0		56.0	50.00	0	112.1	75	125	05/14/2024
Chromium		1.5		211	200.0	2.382	104.3	75	125	05/14/2024
Cobalt		1.0		538	500.0	0.2411	107.5	75	125	05/14/2024
Lead		1.0		556	500.0	0	111.2	75	125	05/14/2024
Lithium	*	3.0		622	500.0	7.800	122.8	75	125	05/14/2024
Molybdenum		1.5		422	500.0	6.923	83.1	75	125	05/16/2024
Selenium		1.0		530	500.0	0	105.9	75	125	05/14/2024
Thallium		2.0		266	250.0	0	106.4	75	125	05/14/2024

Batch 222728	SampType: MSD	Units µg/L				RPD Limit 20				
SampID: 24041541-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		598	500.0	0.8515	119.5	626.9	4.66	05/14/2024
Arsenic		1.0		536	500.0	0.7045	107.0	534.1	0.31	05/14/2024
Barium		1.0		2360	2000	47.32	115.6	2447	3.67	05/14/2024
Beryllium		1.0		48.0	50.00	0	96.1	47.56	1.00	05/14/2024
Boron		25.0		1310	500.0	823.1	97.2	1308	0.09	05/14/2024
Cadmium		1.0		53.8	50.00	0	107.6	56.05	4.08	05/14/2024
Chromium		1.5		208	200.0	2.382	102.7	211.0	1.58	05/14/2024
Cobalt		1.0		539	500.0	0.2411	107.7	537.6	0.24	05/14/2024
Lead		1.0		547	500.0	0	109.5	556.1	1.58	05/14/2024
Lithium	*	3.0		592	500.0	7.800	116.8	621.6	4.92	05/14/2024
Molybdenum		1.5		445	500.0	6.923	87.7	422.3	5.28	05/16/2024
Selenium		1.0		533	500.0	0	106.6	529.5	0.66	05/14/2024
Thallium		2.0		264	250.0	0	105.7	266.0	0.72	05/14/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 223763		SampType: MBLK		Units µg/L							
SampID: MBLK-223763											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	06/06/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	06/06/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	06/06/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	06/06/2024	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	06/06/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	06/06/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	06/06/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	06/06/2024	

Batch 223763		SampType: LCS		Units µg/L							
SampID: LCS-223763											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		525	500.0	0	105.0	80	120	06/06/2024	
Boron		25.0		454	500.0	0	90.9	80	120	06/06/2024	
Chromium		1.5		191	200.0	0	95.7	80	120	06/06/2024	
Cobalt		1.0		468	500.0	0	93.5	80	120	06/06/2024	
Copper		1.0		234	250.0	0	93.6	80	120	06/06/2024	
Iron		25.0		1910	2000	0	95.7	80	120	06/06/2024	
Lead		1.0		475	500.0	0	95.0	80	120	06/06/2024	
Nickel		1.0		461	500.0	0	92.1	80	120	06/06/2024	

Batch 223769		SampType:	MBLK	Units µg/L							
SampID:		MBLK-223769									Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	06/04/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	06/04/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	06/04/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	06/05/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	06/04/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	06/04/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	06/04/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	06/05/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	06/04/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	06/04/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	06/04/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 223769		SampType: LCS		Units µg/L							
SampID: LCS-223769											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2010	2000	0	100.6	80	120	06/04/2024	
Arsenic		1.0		480	500.0	0	96.0	80	120	06/04/2024	
Barium		1.0		1900	2000	0	95.1	80	120	06/04/2024	
Boron		25.0		473	500.0	0	94.6	80	120	06/05/2024	
Cadmium		1.0		47.7	50.00	0	95.3	80	120	06/04/2024	
Cobalt		1.0		462	500.0	0	92.4	80	120	06/04/2024	
Lead		1.0		468	500.0	0	93.6	80	120	06/04/2024	
Lithium	*	3.0		495	500.0	0	99.0	80	120	06/05/2024	
Molybdenum		1.5		430	500.0	0	86.0	80	120	06/04/2024	
Selenium		1.0		482	500.0	0	96.4	80	120	06/04/2024	
Thallium		2.0		201	250.0	0	80.5	80	120	06/05/2024	

SW-846 7470A (DISSOLVED)

Batch 222472		SampType: MS		Units µg/L							
SampID: 24041541-024CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.24	5.000	0.08220	103.1	75	125	05/06/2024	

Batch 222472		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed
SampID: 24041541-024CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.20		5.24	5.000	0.08220	103.2	5.239	0.02	05/06/2024	

Batch 222472		SampType: MS		Units µg/L							
SampID: 24041541-032DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.37	5.000	0	107.4	75	125	05/06/2024	

Batch 222472		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed
SampID: 24041541-032DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.20		5.10	5.000	0	101.9	5.371	5.25	05/06/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (DISSOLVED)

Batch 222481		SampType: MS		Units µg/L							
SampID: 24041541-037DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.39	5.000	0	87.8	75	125	05/06/2024	

Batch 222481		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-037DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.28	5.000	0	85.6	4.389	2.55	05/06/2024

Batch 222504		SampType: MS		Units µg/L								
SampID: 24041541-084HMS												Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.20		3.92	5.000	0	78.4	75	125		05/21/2024	

Batch 222504		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-084HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20	SR	3.16	5.000	0	63.3	3.918	21.29	05/21/2024

Batch 222504		SampType: MS		Units µg/L							
SampID: 24050007-005GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.16	5.000	0.1046	81.2	75	125	05/07/2024	

Batch 222504		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050007-005GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.05	5.000	0.1046	79.0	4.162	2.68	05/07/2024

Batch 222670		SampType: MBLK		Units µg/L							
SampID: MBLK-222670											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/10/2024	

Batch 222670		SampType: LCS		Units µg/L							
SampID: LCS-222670											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.44	5.000	0	108.8	85	115	05/10/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (DISSOLVED)

Batch 222670		SampType: MS		Units µg/L							
SampID: 24041541-018GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.05	5.000	0	101.0	75	125	05/14/2024	

Batch 222670		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-018GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.15	5.000	0	103.1	5.050	2.05	05/14/2024

Batch 223077		SampType: MS		Units µg/L								
SampID: 24041541-095IMS												Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.20		4.44	5.000	0	88.8	75	125		05/21/2024	

Batch 223077		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-095IMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.47	5.000	0	89.3	4.440	0.60	05/21/2024

Batch 223077		SampType: MS		Units µg/L							
SampID: 24050001-004EMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.66	5.000	0	93.3	75	125	05/22/2024	

Batch 223077		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050001-004EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.43	5.000	0	88.7	4.664	5.09	05/22/2024

SW-846 7470A (TOTAL)

Batch 222438		SampType: MBLK		Units µg/L							
SampID: MBLK-222438											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/06/2024	



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222438		SampType: LCS		Units µg/L							
SampID: LCS-222438											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.51	5.000	0	110.3	85	115	05/06/2024	

Batch 222438		SampType: MS		Units µg/L							
SampID: 24041541-006GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.27	5.000	0.3041	79.4	75	125	05/03/2024	

Batch 222438		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-006GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.46	5.000	0.3041	83.1	4.272	4.24	05/03/2024

Batch 222472		SampType: MBLK		Units µg/L							
SampID: MBLK-222472											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/08/2024	

Batch 222472		SampType: LCS		Units µg/L							
SampID: LCS-222472											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.50	5.000	0	110.0	85	115	05/08/2024	

Batch 222481		SampType: MBLK		Units µg/L							
SampID: MBLK-222481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/14/2024	

Batch 222481		SampType: LCS		Units µg/L							
SampID: LCS-222481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	5.86	5.000	0	117.2	85	115	05/14/2024	

Batch 222482		SampType: MBLK		Units µg/L							
SampID: MBLK-222482											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222482		SampType: LCS		Units µg/L							
SampID: LCS-222482											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.38	5.000	0	107.7	85	115	05/08/2024	

Batch 222482		SampType: MS		Units µg/L							
SampID: 24041541-048BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.05	5.000	0.5139	90.8	75	125	05/06/2024	

Batch 222482		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed	
SampID: 24041541-048BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury			0.20		5.11	5.000	0.5139	91.9	5.053	1.07	05/06/2024	

Batch 222482		SampType: MS		Units µg/L							
SampID: 24041541-066BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.36	5.000	0.3407	100.4	75	125	05/14/2024	

Batch 222482		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed	
SampID: 24041541-066BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Mercury		0.20		5.70	5.000	0.3407	107.2	5.358	6.19	05/14/2024		

Batch 222504		SampType: MBLK		Units µg/L							
SampID: MBLK-222504											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		< 0.20	0.0550	0	0	-100	100	05/08/2024

Batch 222504		SampType: LCS		Units µg/L						
SampID: LCS-222504										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	6.31	5.000	0	126.2	85	115	05/08/2024
Mercury		0.20		4.62	5.000	0	92.4	85	115	05/15/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222725		SampType: MBLK		Units µg/L							
SampID: MBLK-222725											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/10/2024	

Batch 222725		SampType: LCS		Units µg/L							
SampID: LCS-222725											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.73	5.000	0	94.6	85	115	05/10/2024	

Batch 222725		SampType: MS		Units µg/L							
SampID: 24041541-036CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.25	5.000	0	84.9	75	125	05/17/2024	

Batch 222725		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-036CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.28	5.000	0	85.6	4.246	0.77	05/17/2024

Batch 222921		SampType: MBLK		Units µg/L							
SampID: MBLK-222921											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/18/2024	

Batch 222921		SampType: LCS		Units µg/L							
SampID: LCS-222921											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.41	5.000	0	88.1	85	115	05/18/2024	

Batch 222921		SampType: MS		Units µg/L							
SampID: 24041541-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.41	5.000	0	88.2	75	125	05/18/2024	

Batch 222921		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.56	5.000	0	91.2	4.409	3.38	05/18/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222921		SampType: MS		Units µg/L							
SampID: 24041541-086CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.53	5.000	0	90.5	75	125	05/18/2024	

Batch 222921		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-086CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.49	5.000	0	89.8	4.525	0.78	05/18/2024

Batch 222984		SampType: MBLK		Units µg/L							
SampID: MBLK-222984											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/19/2024	

Batch 222984		SampType: LCS		Units µg/L							
SampID: LCS-222984											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		4.59	5.000	0	91.8	85	115	05/19/2024

Batch 223054		SampType: MBLK		Units µg/L							
SampID: MBLK-223054											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/17/2024	

Batch 223054		SampType: LCS		Units µg/L							
SampID: LCS-223054											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.26	5.000	0	105.3	85	115	05/17/2024	

Batch 223054		SampType: MS		Units µg/L							
SampID: 24041541-099BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.88	5.000	0	97.6	75	125	05/17/2024	

Batch 223054		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-099BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.77	5.000	0	95.5	4.880	2.21	05/17/2024



Quality Control Results

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 223077		SampType: MBLK		Units µg/L							
SampID: MBLK-223077											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/21/2024	

Batch 223077		SampType: LCS		Units µg/L						
SampID: LCS-223077										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.50	5.000	0	90.1	85	115	05/21/2024

Batch 223153		SampType: MBLK		Units µg/L							
SampID: MBLK-223153											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/20/2024	

Batch 223153		SampType: LCS		Units µg/L							
SampID: LCS-223153											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.65	5.000	0	93.0	85	115	05/20/2024	

Batch 223153		SampType: MS		Units µg/L						
SampID: 24041541-067BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		3.99	5.000	0	79.8	75	125	05/20/2024

Batch 223153		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-067BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		3.94	5.000	0	78.8	3.991	1.34	05/20/2024

Batch 223672		SampType: MBLK		Units µg/L							
SampID: MBLK-223672											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	06/03/2024	

Batch 223672		SampType: LCS		Units µg/L							
SampID: LCS-223672											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.96	5.000	0	99.2	85	115	06/03/2024	



Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

Carrier: Payton Yoch

Received By: NR

Completed by:

On:

29-Apr-24

Nick Reed

Reviewed by:

On:

09-May-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.7
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☒	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☒	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☒

Any No responses must be detailed below or on the COC.

pH strip #96651/89660. - pschultz - 4/30/2024 7:51:31 AM

Per Tracy Carroll, some G411 containers may be marked as G410, and some G410 containers may be marked as G411 (bagging error during bottle prep). - ehurley - 4/30/2024 9:29:57 AM

Samples were received on 4/30/24 at 16:30 on ice [19.3C - LTG#5]. - nickreed - 4/30/2024 5:47:16 PM

Added Sodium Hydroxide(95613) to sample G153. Added Nitric Acid(97528) to sample G314, G314D, & G316. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. -pH strip #89960/96651. - nickreed - 4/30/2024 5:53:34 PM

Samples were received on 5/1/2024 at 16:31 on ice [12.1C - LTG#5]. - pschultz - 5/2/2024 8:39:06 AM

pH strip #96651/89660. - pschultz - 5/2/2024 8:39:45 AM

Additional Sodium Hydroxide (95443) preservative was needed for samples G122 and G272 upon arrival at the laboratory. - pschultz - 5/2/2024 8:39:49 AM

Samples were received on 5/2/24 at 16:15 on ice [16.1C - LTG#5]. Added Nitric Acid(97606) to sample G106 & G275D. Added Sodium Hydroxide(95443) to sample G401. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. pH strip #96651/89660. - nickreed - 5/2/2024 6:50:49 PM

Samples were received on 5/3/24 at 1148 on ice [16.3C - LTG5]. pH strip #89660/96651. Preservation checks for O&G analysis are to be



Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

completed by the laboratory technician prior to analysis. - amberdilallo - 5/3/2024 12:46:21 PM

Samples were received on 5/6/24 at 1642 on ice [12.9C - LTG5]. Additional Nitric Acid (97606) was needed upon arrival at the laboratory for G285 and G302. pH strip #89660/96651. - amberdilallo - 5/7/2024 8:24:08 AM

Samples were received on 5/7/2024 at 16:02 on ice [16.7C - LTG#7]. - pschultz - 5/7/2024 5:07:35 PM

pH strip #96651/89660. LH - pschultz - 5/7/2024 5:07:38 PM

Additional Nitric Acid (97606) preservative was needed for samples G1001 and G276 upon arrival at the laboratory. LH - pschultz - 5/7/2024 5:07:41 PM

Samples were received on 5/8/24 at 1348 on ice [6.9C - LTG5]. Additional Nitric Acid (97737) was needed upon arrival at the laboratory for L203 and Field Blank. pH strip #89660/96651. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - amberdilallo - 5/8/2024 4:27:38 PM

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PH 96651/89660

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Page: 1 of 7

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell-Michael.Bell@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER OW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OT OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		COF-SUP-000	Residual Chlorine (Y/N)	
1	AP2D		WT	G				2	1	1																							24041541-001	
2	G1001		WT	G				2	1	1										X													24041541-002	
3	G1003		WT	G				4	1	3									X														24041541-003	
4	G101		WT	G				14	6	3	1	3	1																					24041541-004
5	G102		WT	G				15	6	3	2	3	1						X															24041541-005
6	G103		WT	G				15	6	3	2	3	1					X																24041541-006
7	G105		WT	G				15	6	3	2	3	1					X																24041541-007
8	G106		WT	G				15	6	3	2	3	1					X																24041541-008
9	G107		WT	G				14	6	3	1	3	1					X																24041541-009
10	G108		WT	G				14	6	3	1	3	1					X																24041541-010
11	G109		WT	G				14	6	3	1	3	1					X																24041541-011
12	G110		WT	G	4-30-24	1448		14	6	3	1	3	1					X																24041541-012
13	G111		WT	G	4-30-24	1411		14	6	3	1	3	1					X																24041541-013
14	G119		WT	G				14	6	3	1	3	1					X																24041541-014
15	G120		WT	G				14	6	3	1	3	1					X																24041541-015
16	G121		WT	G				14	6	3	1	3	1					X																

G314, G314D, & G316: Added HNO_3 (97528)

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-30-24				

LTC#5

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Invoice Information:

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Company: Vistra Corp-Coffee		Report To: Brian Voelker	Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffee, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT:	10 day	Project Number: 2285	Profile #:	STATE:		
				IL		

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Catalyzed / Stated Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Culp					
SIGNATURE of SAMPLER: <i>Justin Culp</i>	DATE Signed (MM/DD/YY): 4-30-24				

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Section C
Invoice Information:

Page: 3 of 7

Company: Vistra Corp-Coffeeen		Report To: Brian Voelker	Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffeeen, IL 62017		John Romang ~ John.Romang@vistracorp.com Scott Belt-Michael.Belt@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE:		IL

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)															
	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE						DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-105	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210									6	2	1	2		1												X							24041541-033	
2	G211									6	2	1	2		1												X							24041541-034	
3	G212									6	2	1	2		1			X						X			X							24041541-035	
4	G213									6	2	1	2		1			X					X			X								24041541-036	
5	G214						4-30-24	1417		6	2	1	2		1											X								24041541-037	
6	G215						4-30-24	1319		6	2	1	2		1			X					X			X								24041541-038	
7	G216						4-30-24	1220		6	2	1	2		1										X		X							24041541-039	
8	G217									6	2	1	2		1			X					X			X								24041541-040	
9	G218									6	2	1	2		1			X				X			X									24041541-041	
10	G219									2	1		1																		X			24041541-104	
11	G220									2	1		1																		X			24041541-105	
12	G270									6	2	1	2		1			X		X			X		X	X	X							24041541-042	
13	G271									6	2	1	2		1				X					X		X								24041541-043	
14	G272									6	2	1	2		1				X					X		X								24041541-044	
15	G273									6	2	1	2		1				X						X		X							24041541-045	
16	G274									6	2	1	2		1											X								24041541-046	
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION				DATE	TIME	ACCEPTED BY / AFFILIATION				DATE				TIME				SAMPLE CONDITIONS												
COF-24Q2 Rev 1					Daniel Crump				4-30	16:30	Mike Reed				4/30/24				1630				h y z												

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Gelp				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY) 4-30-24				

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Section C
Invoice information:

Page: 5 of 7

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Invoice Reference:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com	Attention: Jason Stuckey	
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com	Address: see Section A	NPDES GROUND WATER DRINKING WATER
		Purchase Order No.:	Quote Reference:	UST RCRA OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE: IL

ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</u> <u>CODE</u> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AT OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								<u>Analysis Test#</u>	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	G307		WT	G			2	1	1								X																24041541-063	
2	G307D		WT	G			2	1	1								X																24041541-064	
3	G308		WT	G			2	1	1								X																24041541-065	
4	G310		WT	G			2	1	1								X																24041541-066	
5	G312		WT	G			2	1	1								X																24041541-067	
6	G313		WT	G			2	1	1								X																24041541-068	
7	G314		WT	G	4/30/24	1336	2	1	1								X																24041541-069	
8	G314D		WT	G	4/30/24	1225	2	1	1								X																24041541-070	
9	G315		WT	G			2	1	1								X																24041541-071	
10	G316		WT	G	4/30/24	1122	2	1	1								X																24041541-072	
11	G401		WT	G			4	1	2	1								X															24041541-073	
12	G402		WT	G			4	1	2	1								X															24041541-074	
13	G403		WT	G			4	1	2	1								X															24041541-075	
14	G404		WT	G			4	1	2	1								X															24041541-076	
15	G405		WT	G			4	1	2	1								X															24041541-077	
16	G406		WT	G			4	1	2	1								X															24041541-078	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q2 Rev 1			Zanid Corp			4-30	16:30	Nish Reed			4/30/24	1620	19 ② z																					

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Golt				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 4-30-24				

24041541

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Section A

Required Client Information:

Section B

Required Project Information:

Section C

Invoice Information:

Page: 6 of 7

Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:	

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL CL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
1	G407	WT	G				4	1	2	1																						24041541-079	
2	G410	WT	G	4/30/24	1006		4	1	2	1																						24041541-080	
3	G411	WT	G				4	1	2	1																						24041541-081	
4	L203	WT	G				18	9	4	1	3	1																				24041541-082	
5	NE Riser	WT	G				0																									24041541-083	
6	R104	WT	G				15	6	3	2	3	1																				24041541-084	
7	R201	WT	G				6	2	1	2		1																				24041541-085	
8	R205	WT	G				6	2	1	2		1																				24041541-086	
9	SG-02	WT	G				0																										24041541-087
10	SG-03	WT	G				0																										24041541-088
11	T127	WT	G				14	6	3	1	3	1																					24041541-089
12	T128	WT	G				14	6	3	1	3	1																					24041541-090
13	X201	WT	G				2	1		1																							24041541-091
14	XPW01	WT	G				2	1		1																							24041541-092
15	XPW02	WT	G				2	1		1																							24041541-093
16	XSG-01	WT	G				0																										24041541-094
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q2 Rev 1		Samuel Kemp			4-30	16:30	Justin Reed			4/30/24	1630	Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N)																					

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
Justin Cole	[Signature]				
DATE Signed (MM/DD/YY): 4-30-24					

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Section 9
Invoice Information:

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Company: Vistra Corp-Coffeeen		Report To: Brian Voelker	Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffeeen, IL 62017		John Romang - John.Romang@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Purchase Order No.:	Quote Reference:			
		Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE: IL		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)					
1	AP2D		WT	G				2	1	1																											24041541-001
2	G1001		WT	G				2	1	1																										24041541-002	
3	G1003		WT	G				4	1	3																										24041541-003	
4	G101		WT	G				14	6	3	1	3	1																							24041541-004	
5	G102		WT	G				15	6	3	2	3	1																							24041541-005	
6	G103		WT	G				15	6	3	2	3	1																							24041541-006	
7	G105		WT	G				15	6	3	2	3	1																							24041541-007	
8	G106		WT	G				15	6	3	2	3	1																							24041541-008	
9	G107		WT	G				14	6	3	1	3	1																							24041541-009	
10	G108		WT	G	5-1-24	1036		14	6	3	1	3	1																							24041541-010	
11	G109		WT	G	5-1-24	0953		14	6	3	1	3	1																							24041541-011	
12	G110		WT	G				14	6	3	1	3	1																							24041541-012	
13	G111		WT	G				14	6	3	1	3	1																							24041541-013	
14	G119		WT	G	5-1-24	1222		14	6	3	1	3	1																							24041541-014	
15	G120		WT	G	5-1-24	1254		14	6	3	1	3	1																							24041541-015	
16	G121		WT	G	5-1-24	1321		14	6	3	1	3	1																							24041541-016	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																								
COF-24Q2 Rev 1			Daniel C. Cump			5-1	16:31	Simon Qualls			5/1/24	12:31	12.11 (1) z																								
													1705																								

Added NaOH(95443) to G122 + G272
 1HV 96651/89660 PS 5/2
 OHS

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Container (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Oslp				
SIGNATURE of SAMPLER:	Justin Oslp				
DATE Signed (MM/DD/YY):		5-1-24			

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24041541 102

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeeen		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A		REGULATORY AGENCY	
Email To: Brian.Voelker@VistraCorp.com		Scott Reil- Michael.Reil@vistracorp.com				NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Quote Reference:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Name:		Project Manager:		Site Location	
		Project Number: 2285		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	Valid Matrix Codes CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.	
						DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			COF-SUP-000
1	G210	WT	G	5-1-24	1128	6	2	1	2	1																								24041541-033
2	G211	WT	G	5-1-24	1040	6	2	1	2	1																								24041541-034
3	G212	WT	G	5-1-24	0952	6	2	1	2	1																								24041541-035
4	G213	WT	G			6	2	1	2	1																								24041541-036
5	G214	WT	G			6	2	1	2	1																								24041541-037
6	G215	WT	G			6	2	1	2	1																								24041541-038
7	G216	WT	G			6	2	1	2	1																								24041541-039
8	G217	WT	G			6	2	1	2	1																								24041541-040
9	G218	WT	G			6	2	1	2	1																								24041541-041
10	G219	WT	G			2	1		1																								X	24041541-104
11	G220	WT	G			2	1		1																							X	24041541-105	
12	G270	WT	G			6	2	1	2	1																								24041541-042
13	G271	WT	G	5-1-24	1337	6	2	1	2	1																								24041541-043
14	G272	WT	G	5-1-24	1310	6	2	1	2	1																								24041541-044
15	G273	WT	G	5-1-24	1231	6	2	1	2	1																								24041541-045
16	G274	WT	G	5-1-24	1421	6	2	1	2	1																								24041541-046
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE				TIME				ACCEPTED BY / AFFILIATION				DATE				TIME				SAMPLE CONDITIONS						
COF-24Q2 Rev 1				Daniel Camp				5-1				1631				Omaha Omaha				5/1/24				11231				> z						

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Camp		5-1	1631	Omar Ouedraogo		5/1/24	11231	Y N			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Camp		DATE Signed (MM/DD/YY): 5-1-24	
SIGNATURE of SAMPLER: [Signature]			

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMPOSITE)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)			Project No./ Lab I.D.					
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102					COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000		
1	G307		WT	G				2	1	1								X																			24041541-063
2	G307D		WT	G				2	1	1								X																		24041541-064	
3	G308		WT	G				2	1	1								X																		24041541-065	
4	G310		WT	G				2	1	1								X																		24041541-066	
5	G312		WT	G				2	1	1								X																		24041541-067	
6	G313		WT	G	5/1/24	1213		2	1	1								X																		24041541-068	
7	G314		WT	G				2	1	1								X																		24041541-069	
8	G314D		WT	G				2	1	1								X																		24041541-070	
9	G315		WT	G				2	1	1								X																		24041541-071	
10	G316		WT	G				2	1	1								X																		24041541-072	
11	G401		WT	G				4	1	2	1							X				X														24041541-073	
12	G402		WT	G				4	1	2	1							X				X														24041541-074	
13	G403		WT	G				4	1	2	1							X				X														24041541-075	
14	G404		WT	G				4	1	2	1							X				X														24041541-076	
15	G405		WT	G				4	1	2	1							X				X														24041541-077	
16	G406		WT	G				4	1	2	1							X				X														24041541-078	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																								
COF-24Q2 Rev 1			Daniel Crump			5-1	1631	Gina Dela			5/1/24	1631	Y Z																								

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 5-1-24				

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Page: 6 of 7

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location	IL	
STATE:		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-1-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		DRINKING WATER	WASTE WATER			WATER PRODUCT	SOLID			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104			COF-WPCP-106																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
COF-24Q2 Rev 0		Daniel Crump		5-2-24	1615	[Signature]		5-2-24	1615	Temp in °C: 5 Received on ice (Y/N): Custody Sealed Cooler (Y/N): Samples Intact (Y/N):	
G1003: include Appendix B11V, major ions and field parameters if well volume is sufficient for sample collection											
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: [Signature] SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 5-2-24											

Added HNO₃ to G106 & G275D. Added NaOH to G401. 96651/89660 11/5/2

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WW WATER WASTE WP PRODUCT SOLID/SOLID OL OIL WP WPE AR AR OT OTHER TS ISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)		Project No. / Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104				COF-WPCP-106	
1		G210	WT	G				6	2	1	2		1																					24041541-033
2		G211	WT	G				6	2	1	2		1																					24041541-034
3		G212	WT	G				6	2	1	2		1																					24041541-035
4		G213	WT	G				6	2	1	2		1																					24041541-036
5		G214	WT	G				6	2	1	2		1																					24041541-037
6		G215	WT	G				6	2	1	2		1																					24041541-038
7		G216	WT	G				6	2	1	2		1																					24041541-039
8		G217	WT	G	5-2-24	1239		6	2	1	2		1																					24041541-040
9		G218	WT	G	5-2-24	1147		6	2	1	2		1																					24041541-041
10		G270	WT	G				6	2	1	2		1																					24041541-042
11		G271	WT	G				6	2	1	2		1																					24041541-043
12		G272	WT	G				6	2	1	2		1																					24041541-044
13		G273	WT	G				6	2	1	2		1																					24041541-045
14		G274	WT	G				6	2	1	2		1																					24041541-046
15		G275	WT	G	5-2-24	1033		6	2	1	2		1																					24041541-047
16		G275D	WT	G	5-2-24	0958		2	1		1																							24041541-048
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q2 Rev 0			J. Edgar Daniels Corp			5-2	16:15	[Signature]			5/2/24	16:15	> z																					

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
COF-24Q2 Rev 0		J. Gop Daniel Kump		5-2		16:15		Jason Gop		5/2/24		16:15		Y Z	

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gop							
SIGNATURE of SAMPLER: [Signature]							
DATE Signed (MM/DD/YY): 5-2-24							

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Page: 5 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Gelp				
SIGNATURE of SAMPLER:	Justin Gelp	DATE Signed (MM/DD/YY):	5-2-24		

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			
						REGULATORY AGENCY	
						NPDES GROUND WATER DRINKING WATER	
						UST RCRA OTHER	
						Site Location	
						STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WT WASTE WW WATER WASTE P PRODUCT SOLID SOLID SOLID OL WP AR OT TS OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104			COF-WPCP-102
1	G411		WT	G				4	1	2	1																			24041541-081
2	L203		WT	G				18	9	4	1	3	1																	24041541-082
3	NE Riser		WT	G				0																						24041541-083
4	R104		WT	G	5-2-24	1300		15	6	3	2	3	1																	24041541-084
5	R201		WT	G				6	2	1	2		1																	24041541-085
6	R205		WT	G				6	2	1	2		1																	24041541-086
7	SG-02		WT	G				0																						24041541-087
8	SG-03		WT	G				0																						24041541-088
9	T127		WT	G				14	6	3	1	3	1																	24041541-089
10	T128		WT	G				14	6	3	1	3	1																	24041541-090
11	X201		WT	G				2	1		1																			24041541-091
12	XPW01		WT	G				2	1		1																			24041541-092
13	XPW02		WT	G				2	1		1																			24041541-093
14	XSG-01		WT	G				0																						24041541-094
15	Field Blank		WT	G				21	10	5	2	3	1																	24041541-095
16	G102 Duplicate		WT	G	5-2-24	1103		15	6	3	2	3	1																	24041541-096
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION					DATE		TIME		SAMPLE CONDITIONS										
COF-24Q2 Rev 0					Daniel Crump		5-2		1615		Paul Kelly					5/2/24		1615		> z										
Blank: filter upon arrival at the lab for dissolved parameters.																														
SAMPLER NAME AND SIGNATURE																	Temp in °C													
PRINT Name of SAMPLER: Justin Cap																	Received on Ice (Y/N)													
SIGNATURE of SAMPLER: [Signature]																	Custody Sealed Coder (Y/N)													
DATE Signed (MM/DD/YY): 5-2-24																	Samples Intact (Y/N)													

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location STATE: IL	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project			
Requested Due Date/TAT: 0		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information		MATRIX DRINKING WATER DW WATER WW WASTE WP WATER PRODUCT SOLID WASTE SL (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE WPE AR	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	DATE	TIME				Unpreserved	H ₂ SO ₄			HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104		COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-105																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1	G200 Duplicate			WT	G				6	2	1	2		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 0		Daniel Crump		5/2	1615	Paul [Signature]		5/2/24	1615	Temp in °C Received on ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)			
SAMPLER NAME AND SIGNATURE						PRINT Name of SAMPLER: Justin Galt		DATE Signed (MM/DD/YY): 5-2-24					
						SIGNATURE of SAMPLER: [Signature]							

Blanks: filter upon arrival at the lab for dissolved parameters.

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Page: 1 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL SL WPC AR WP OTHER AR TISSE CT TS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000				
1	AP2D		WT	G				2	1		1								X															24041541-001	
2	G1001		WT	G				2	1		1								X														24041541-002		
3	G1003		WT	G				4	1		3								X														24041541-003		
4	G101		WT	G				14	6	3	1	3	1					X															24041541-004		
5	G102		WT	G				15	6	3	2	3	1					X															24041541-005		
6	G103		WT	G				15	6	3	2	3	1					X															24041541-006		
7	G105		WT	G				15	6	3	2	3	1					X															24041541-007		
8	G106		WT	G				15	6	3	2	3	1					X															24041541-008		
9	G107		WT	G	5-3-24	0920		14	6	3	1	3	1					X															24041541-009		
10	G108		WT	G				14	6	3	1	3	1					X															24041541-010		
11	G109		WT	G				14	6	3	1	3	1					X															24041541-011		
12	G110		WT	G				14	6	3	1	3	1					X															24041541-012		
13	G111		WT	G				14	6	3	1	3	1					X															24041541-013		
14	G119		WT	G				14	6	3	1	3	1					X															24041541-014		
15	G120		WT	G				14	6	3	1	3	1					X															24041541-015		
16	G121		WT	G				14	6	3	1	3	1					X															24041541-016		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																						
COF-24Q2 Rev 1			<i>[Signature]</i>			5-3	148	<i>[Signature]</i>			5/3/24	1448	5/16/24 <i>[Signature]</i> z																						

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Page: 2 of 7

Company:	Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey			
Address:	134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
	Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To:	Brian.Voelker@VistraCorp.com	Scott Bell-Michael.Bell@vistracorp.com		UST	RCRA	OTHER
		Purchase Order No.:	Quote Reference:			
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location	IL	
Requested Due Date/TAT:	10 day	Project Number: 2285	Profile #:	STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLUSOLID SL OL WPE WP AR AR OTHER AR TISSUE TS	(see valid codes to left)	MATRIX CODE	SAMPLE TYPE (G-GRAB G-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.						
						DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104			COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
1	G122	WT	G					14	6	3	1	3	1				X															24041541-017			
2	G123	WT	G					14	6	3	1	3	1				X															24041541-018			
3	G124	WT	G					14	6	3	1	3	1				X															24041541-019			
4	G125	WT	G					14	6	3	1	3	1				X															24041541-020			
5	G126	WT	G			5-3-24	0953	14	6	3	1	3	1				X															24041541-021			
6	G151	WT	G					4	2		1		1															X				24041541-022			
7	G152	WT	G					4	2		1		1															X				24041541-023			
8	G153	WT	G					4	2		1		1															X				24041541-024			
9	G154	WT	G					5	2		2		1															X				24041541-025			
10	G155	WT	G					4	2		1		1															X				24041541-026			
11	G200	WT	G					6	2	1	2		1															X				24041541-027			
12	G206	WT	G					6	2	1	2		1															X				24041541-028			
13	G206D	WT	G					2	1		1																	X				24041541-029			
14	G207	WT	G					6	2	1	2		1															X				24041541-030			
15	G208	WT	G					6	2	1	2		1															X				24041541-031			
16	G209	WT	G					6	2	1	2		1															X				24041541-032			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE																									

SAMPLER NAME AND SIGNATURE		Temp. in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-3-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL DL OL WPE WP AIR AP OTHER OT TS TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)			Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</

ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1				<i>[Signature]</i>		5/13	1148	<i>[Signature]</i>		5/13/24	1148				
SAMPLER NAME AND SIGNATURE												Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:															
SIGNATURE of SAMPLER:															
												DATE Signed (MM/DD/YY):			

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7																					
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td>IL</td> <td></td> </tr> <tr> <td colspan="2">Requested Due Date/TAT: 10 day</td> <td colspan="2">Project Number: 2265</td> <td colspan="2">Profile #:</td> <td>STATE:</td> <td></td> </tr> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		Requested Due Date/TAT: 10 day		Project Number: 2265		Profile #:		STATE:	
REGULATORY AGENCY																											
NPDES	GROUND WATER	DRINKING WATER																									
UST	RCRA	OTHER																									
Site Location	IL																										
Requested Due Date/TAT: 10 day		Project Number: 2265		Profile #:		STATE:																					
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp																							
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell, Michael Bell@vistracorp.com		Address: see Section A																							
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:																							
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:																							

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 5-3-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Name:		Profile #:	
		Project Number: 2285			

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL GAL GL WPE WP AR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106				COF-SUP-000	Residual Chlorine (Y/N)
1	G307	WT	G					2	1	1							X																		24041541-063
2	G307D	WT	G					2	1	1							X																		24041541-064
3	G308	WT	G					2	1	1							X																		24041541-065
4	G310	WT	G	5/3/24	955			2	1	1							X																		24041541-066
5	G312	WT	G					2	1	1							X																		24041541-067
6	G313	WT	G					2	1	1							X																		24041541-068
7	G314	WT	G					2	1	1							X																		24041541-069
8	G314D	WT	G					2	1	1							X																		24041541-070
9	G315	WT	G					2	1	1							X																		24041541-071
10	G316	WT	G					2	1	1							X																		24041541-072
11	G401	WT	G					4	1	2		1						X							X			X							24041541-073
12	G402	WT	G					4	1	2		1						X							X			X							24041541-074
13	G403	WT	G					4	1	2		1						X							X			X							24041541-075
14	G404	WT	G					4	1	2		1						X							X			X							24041541-076
15	G405	WT	G					4	1	2		1						X							X			X							24041541-077
16	G406	WT	G					4	1	2		1						X							X			X							24041541-078
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q2 Rev 1			Woj 2			5/3		1148		Paul Jolley			5/3/24		1148		> z																		

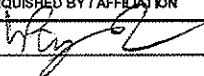
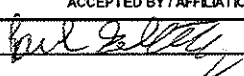
SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:					
DATE Signed (MM/DD/YY):					

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell: Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE W/P AIR AR OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N Analysis Test	Requested Analysis Filtered (Y/N)														Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106				COF-SUP-000	Residual Chlorine (Y/N)
1	G407		WT	G			4	1	2	1									X														24041541-079		
2	G410		WT	G			4	1	2	1													X										24041541-080		
3	G411		WT	G			4	1	2	1													X										24041541-081		
4	L203		WT	G			18	9	4	1	3	1																					24041541-082		
5	NE Riser		WT	G			0													X													24041541-083		
6	R104		WT	G			15	6	3	2	3	1								X													24041541-084		
7	R201		WT	G			6	2	1	2	1										X												24041541-085		
8	R205		WT	G			6	2	1	2	1																						24041541-086		
9	SG-02		WT	G			0													X	X												24041541-087		
10	SG-03		WT	G			0													X	X												24041541-088		
11	T127		WT	G			14	6	3	1	3	1																					24041541-089		
12	T128		WT	G			14	6	3	1	3	1																					24041541-090		
13	X201		WT	G			2	1	1																								24041541-091		
14	XPW01		WT	G			2	1	1											X													24041541-092		
15	XPW02		WT	G			2	1	1											X													24041541-093		
16	XSG-01		WT	G			0													X													24041541-094		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																						
COF-24Q2 Rev 1						5/3	1148				5/3/24	1148	>			z																			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on for (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

24041541

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL OL WPE WP AIR AP OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)															Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	Field Blank		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095	
2	G102 Duplicate		WT	G				15	6	3	2	3	1				X															24041541-096	
3	G200 Duplicate		WT	G				6	2	1	2		1							X												24041541-097	
4	G273 Duplicate		WT	G				6	2	1	2		1								X											24041541-098	
5	G301 Duplicate		WT	G				2	1		1							X														24041541-099	
6	R201 Duplicate		WT	G				6	2	1	2		1																			24041541-100	
7	Equipment Blank 1		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-101	
8	Equipment Blank 2		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-102	
9	Equipment Blank 3		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-103	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
COF-24Q2 Rev 1	<i>[Signature]</i>	5/3	1148	<i>[Signature]</i>	5/3/24	1148					

Blanks: filter upon arrival at the lab for dissolved parameters.

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

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24041541

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location STATE: IL	
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Project No. / Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104		COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
1	AP2D	WT	G				2	1	1																							24041541-001	
2	G1001	WT	G		5-6-24	dry	2	1	1																							24041541-002	
3	G1003	WT	G				4	1	3																							24041541-003	
4	G101	WT	G				14	6	3	1	3	1																				24041541-004	
5	G102	WT	G				15	6	3	2	3	1																				24041541-005	
6	G103	WT	G				15	6	3	2	3	1																				24041541-006	
7	G105	WT	G				15	6	3	2	3	1																				24041541-007	
8	G106	WT	G				15	6	3	2	3	1																				24041541-008	
9	G107	WT	G				14	6	3	1	3	1																				24041541-009	
10	G108	WT	G				14	6	3	1	3	1																				24041541-010	
11	G109	WT	G				14	6	3	1	3	1																				24041541-011	
12	G110	WT	G				14	6	3	1	3	1																				24041541-012	
13	G111	WT	G				14	6	3	1	3	1																				24041541-013	
14	G119	WT	G				14	6	3	1	3	1																				24041541-014	
15	G120	WT	G				14	6	3	1	3	1																				24041541-015	
16	G121	WT	G				14	6	3	1	3	1																				24041541-016	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Camp		5/6	1642	Brett Gillman		5/6/24	1642	Temp in °C: 12.9 Received on Ice (Y/N): X Custody Sealed Cooler (Y/N): X Samples Intact (Y/N): X			

PH 8.9102/9.6651.
Added HNO₃ (97606) to G285 + G302
PS 5/7
Per Brett Gillman, G1003 is dry not G1001. um 5/8/24

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **2** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.									
ITEM #	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	G122	WT	G				14	6	3	1	3	1																					24041541-017
2	G123	WT	G				14	6	3	1	3	1																					24041541-018
3	G124	WT	G				14	6	3	1	3	1																					24041541-019
4	G125	WT	G				14	6	3	1	3	1																					24041541-020
5	G126	WT	G				14	6	3	1	3	1																					24041541-021
6	G151	WT	G				4	2		1		1																		X			24041541-022
7	G152	WT	G				4	2		1		1																		X			24041541-023
8	G153	WT	G				4	2		1		1																		X			24041541-024
9	G154	WT	G				5	2		2		1															X		X				24041541-025
10	G155	WT	G				4	2		1		1																	X				24041541-026
11	G200	WT	G				6	2	1	2		1						X							X								24041541-027
12	G206	WT	G				6	2	1	2		1						X						X									24041541-028
13	G206D	WT	G				2	1		1									X					X									24041541-029
14	G207	WT	G				6	2	1	2		1													X								24041541-030
15	G208	WT	G				6	2	1	2		1														X							24041541-031
16	G209	WT	G				6	2	1	2		1						X						X		X							24041541-032

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel C. Lundy	5/6	1642	Michael Reed	5/6/24	1642				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:					

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell - Michael.Bell@vistracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		UST RCRA OTHER	
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		STATE: IL	

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Brett Gilligan</u> SIGNATURE of SAMPLER: <u>[Signature]</u>					
DATE Signed (MM/DD/YY): <u>5-6-24</u>					

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7	
Company: Vistra Corp-Coffee		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffee, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000							
1	G275		WT	G				6	2	1	2		1																						24041541-047			
2	G275D		WT	G				2	1		1																									24041541-048		
3	G276		WT	G				6	2	1	2		1																							24041541-049		
4	G277		WT	G				6	2	1	2		1																							24041541-050		
5	G278		WT	G				6	2	1	2		1																							24041541-051		
6	G279		WT	G				6	2	1	2		1																							24041541-052		
7	G280		WT	G	5-6-24	1407		6	2	1	2		1																							24041541-053		
8	G281		WT	G				4	1		2		1																							24041541-054		
9	G283		WT	G	5-6-24	1100		2	1		1																									24041541-055		
10	G284		WT	G	5-6-24	1136		2	1		1																									24041541-056		
11	G285		WT	G	5-6-24	1222		2	1		1																									24041541-057		
12	G301		WT	G	5/11/24	1023		2	1		1																									24041541-058		
13	G302		WT	G	5/11/24	1154		2	1		1																									24041541-059		
14	G303		WT	G				2	1		1																									24041541-060		
15	G305		WT	G				2	1		1																									24041541-061		
16	G306		WT	G				2	1		1																									24041541-062		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																					
COF-24Q2 Rev 1			Daniel Crump			5-6		1642		Mindy Reed			5/6/24		1642		> z																					

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Gump		5-6	1642	Mick Rook		5/6/24	1642	Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
Justin Gump	[Signature]				
DATE Signed (MM/DD/YY): 5-6-24					

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Page: 5 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)					
1	G307	WT	G				2	1	1								X																				24041541-063
2	G307D	WT	G				2	1	1								X																			24041541-064	
3	G308	WT	G				2	1	1								X																			24041541-065	
4	G310	WT	G				2	1	1								X																			24041541-066	
5	G312	WT	G	5/6/24	1329		2	1	1								X																			24041541-067	
6	G313	WT	G				2	1	1								X																			24041541-068	
7	G314	WT	G				2	1	1								X																			24041541-069	
8	G314D	WT	G				2	1	1								X																			24041541-070	
9	G315	WT	G				2	1	1								X																			24041541-071	
10	G316	WT	G				2	1	1								X																			24041541-072	
11	G401	WT	G				4	1	2	1								X			X		X													24041541-073	
12	G402	WT	G	5-6-24	1200		4	1	2	1							X			X		X														24041541-074	
13	G403	WT	G	5-6-24	1029		4	1	2	1							X			X		X														24041541-075	
14	G404	WT	G	5-6-24	1244		4	1	2	1							X			X		X														24041541-076	
15	G405	WT	G	5-6-24	1313		4	1	2	1							X			X		X														24041541-077	
16	G406	WT	G	5-6-24	1105		4	1	2	1							X			X		X														24041541-078	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																									
COF-24Q2 Rev 1		Daniel Camp			5-6	1642	[Signature]			5/6/24	1642	> z																									

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↑	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000												
1	G407		WT	G				4	1	2		1																							24041541-079								
2	G410		WT	G				4	1	2		1																								24041541-080							
3	G411		WT	G				4	1	2		1																									24041541-081						
4	L203		WT	G				18	9	4	1	3	1																								24041541-082						
5	NE Riser		WT	G				0																													24041541-083						
6	R104		WT	G				15	6	3	2	3	1																								24041541-084						
7	R201		WT	G				6	2	1	2		1																									24041541-085					
8	R205		WT	G				6	2	1	2		1																									24041541-086					
9	SG-02		WT	G				0																														24041541-087					
10	SG-03		WT	G				0																														24041541-088					
11	T127		WT	G	5/6/24	1504		14	6	3	1	3	1																									24041541-089					
12	T128		WT	G				14	6	3	1	3	1																									24041541-090					
13	X201		WT	G				2	1		1																												24041541-091				
14	XPW01		WT	G				2	1		1																												24041541-092				
15	XPW02		WT	G				2	1		1																												24041541-093				
16	XSG-01		WT	G				0																																24041541-094			
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																										
COF-24Q2 Rev 1			Daniel Camp			5/6		1642		Nick Reed			5/6/24		1642								>			=																	

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Bre H. Sullivan							
SIGNATURE of SAMPLER: [Signature]							
DATE Signed (MM/DD/YY): 5-6-24							

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell - Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000				
1	Field Blank		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095		
2	G102 Duplicate		WT	G				15	6	3	2	3	1																				24041541-096		
3	G200 Duplicate		WT	G				6	2	1	2		1																				24041541-097		
4	G273 Duplicate		WT	G				6	2	1	2		1																				24041541-098		
5	G301 Duplicate		WT	G	5/6/24	10 28		2	1		1							X															24041541-099		
6	R201 Duplicate		WT	G				6	2	1	2		1																				24041541-100		
7	Equipment Blank 1		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-101		
8	Equipment Blank 2		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-102		
9	Equipment Blank 3		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-103		
10																																			
11																																			
12																																			
13																																			
14																																			
15																																			
16																																			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		<i>Samuel Camp</i>	5/6	1642	<i>Michael Reed</i>	5/6/24	1642		Y	Z	
Blank: filter upon arrival at the lab for dissolved parameters.								Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Bret Gilligan</i> SIGNATURE of SAMPLER: <i>Bret Gilligan</i>								DATE Signed (MM/DD/YY): <i>5-6-24</i>			

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT SOL/SOLID SL OL WP AR AR OTHER OT ISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	AP2D		WT	G				2	1	1																						24041541-001		
2	G1001		WT	G	5/7/24	1016		2	1	1									X													24041541-002		
3	G1003		WT	G				4	1	3									X										X			24041541-003		
4	G101		WT	G				14	6	3	1	3	1																			24041541-004		
5	G102		WT	G				15	6	3	2	3	1																X			24041541-005		
6	G103		WT	G				15	6	3	2	3	1																X			24041541-006		
7	G105		WT	G				15	6	3	2	3	1																X			24041541-007		
8	G106		WT	G				15	6	3	2	3	1																X			24041541-008		
9	G107		WT	G				14	6	3	1	3	1																			24041541-009		
10	G108		WT	G				14	6	3	1	3	1																			24041541-010		
11	G109		WT	G				14	6	3	1	3	1																			24041541-011		
12	G110		WT	G				14	6	3	1	3	1																			24041541-012		
13	G111		WT	G				14	6	3	1	3	1																			24041541-013		
14	G119		WT	G				14	6	3	1	3	1																			24041541-014		
15	G120		WT	G				14	6	3	1	3	1																			24041541-015		
16	G121		WT	G				14	6	3	1	3	1																			24041541-016		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION					DATE	TIME	SAMPLE CONDITIONS																			
COF-24Q2 Rev 1			Daniel Camp			5/7	1602	Paul Stuckey					5/7/24	1602	7					V-TC														

PH/96651/89660
LH 567
Added H₂O₃ (97660) to G1001 & G276

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Clavel					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 5/7/24					

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW/ WATER WT/ WASTE WATER WW/ PRODUCT P/ SOL/SOLID SL/ OIL OL/ WPE WP/ AIR AR/ OTHER OT/ TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																	Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)					
1	G122	WT	G				14	6	3	1	3	1																							24041541-017		
2	G123	WT	G	5-7-24	1001		14	6	3	1	3	1																							24041541-018		
3	G124	WT	G				14	6	3	1	3	1																							24041541-019		
4	G125	WT	G				14	6	3	1	3	1																							24041541-020		
5	G126	WT	G				14	6	3	1	3	1																							24041541-021		
6	G151	WT	G				4	2		1		1																							24041541-022		
7	G152	WT	G	5-7-24	1028		4	2		1		1																							24041541-023		
8	G153	WT	G				4	2		1		1																							24041541-024		
9	G154	WT	G				5	2		2		1																							24041541-025		
10	G155	WT	G				4	2		1		1																							24041541-026		
11	G200	WT	G	5-7-24	1253		6	2	1	2		1																							24041541-027		
12	G206	WT	G				6	2	1	2		1																							24041541-028		
13	G206D	WT	G				2	1		1																									24041541-029		
14	G207	WT	G	5-7-24	1146		6	2	1	2		1																							24041541-030		
15	G208	WT	G				6	2	1	2		1																							24041541-031		
16	G209	WT	G				6	2	1	2		1																							24041541-032		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION								DATE		TIME		SAMPLE CONDITIONS																
COF-24Q2 Rev 1		Daniel Cump			5-7		1602		Paul Stuckey								5/7/24		1602		> z																

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:		JUSTIN GOLF	
SIGNATURE of SAMPLER:		[Signature]	
DATE Signed (MM/DD/YY):		5-7-24	
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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ITEM #	Section D Required Client Information		MATRIX CODES DRINKING WATER DW/ WATER WT/ WASTE WATER WW/ PRODUCT P/ SOIL/SOLID SL/ OL OL/ VPE VP/ AIR AR/ OTHER OT/ TSS TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																					Project No./ Lab I.D.
							DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)						
1	G210	WT	G				6	2	1	2	1								X														24041541-033							
2	G211	WT	G				6	2	1	2	1											X											24041541-034							
3	G212	WT	G				6	2	1	2	1			X				X			X											24041541-035								
4	G213	WT	G				6	2	1	2	1			X				X			X											24041541-036								
5	G214	WT	G				6	2	1	2	1										X											24041541-037								
6	G215	WT	G				6	2	1	2	1			X				X			X											24041541-038								
7	G216	WT	G				6	2	1	2	1										X											24041541-039								
8	G217	WT	G				6	2	1	2	1			X				X			X											24041541-040								
9	G218	WT	G				6	2	1	2	1			X				X			X											24041541-041								
10	G219	WT	G	5-7-24	1110		2	1		1																X						24041541-104								
11	G220	WT	G	5-7-24	1208		2	1		1															X							24041541-105								
12	G270	WT	G				6	2	1	2	1			X		X		X		X	X	X										24041541-042								
13	G271	WT	G				6	2	1	2	1				X				X		X											24041541-043								
14	G272	WT	G				6	2	1	2	1				X				X		X											24041541-044								
15	G273	WT	G				6	2	1	2	1				X					X		X										24041541-045								
16	G274	WT	G				6	2	1	2	1										X											24041541-046								
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																									
COF-24Q2 Rev 1				Daniel Camp			5-7	1602	[Signature]				5/7/24	1602	> z																									

Confidential

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[illegible]

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Reif- Michael.Reif@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **5** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.								
ITEM #	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB O=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	G307	WT	G				2	1	1							X							X									24041541-063
2	G307D	WT	G				2	1	1							X						X										24041541-064
3	G308	WT	G				2	1	1							X						X										24041541-065
4	G310	WT	G				2	1	1							X						X										24041541-066
5	G312	WT	G				2	1	1							X						X										24041541-067
6	G313	WT	G				2	1	1							X						X										24041541-068
7	G314	WT	G				2	1	1							X						X										24041541-069
8	G314D	WT	G				2	1	1							X						X										24041541-070
9	G315	WT	G				2	1	1							X						X										24041541-071
10	G316	WT	G				2	1	1							X						X										24041541-072
11	G401	WT	G				4	1	2			1					X						X			X						24041541-073
12	G402	WT	G				4	1	2			1					X						X			X						24041541-074
13	G403	WT	G				4	1	2			1					X						X			X						24041541-075
14	G404	WT	G				4	1	2			1					X						X			X						24041541-076
15	G405	WT	G				4	1	2			1					X						X			X						24041541-077
16	G406	WT	G				4	1	2			1					X						X			X						24041541-078

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
COF-24Q2 Rev 1	Daniel Camp	5/7	1602	Paul G. Stuckey	5/7/24	1602		>		z	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: **Vistra Corp-Coffee**
Address: **134 CIPS Lane**
Coffee, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Bell-Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **6** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.									
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	G407	WT	G				4	1	2	1								X														24041541-079	
2	G410	WT	G				4	1	2	1																						24041541-080	
3	G411	WT	G				4	1	2	1																						24041541-081	
4	L203	WT	G				18	9	4	1	3	1											X									24041541-082	
5	NE Riser	WT	G				0												X													24041541-083	
6	R104	WT	G				15	6	3	2	3	1											X									24041541-084	
7	R201	WT	G	5-7-24	1243		6	2	1	2	1								X													24041541-085	
8	R205	WT	G	5-7-24	1320		6	2	1	2	1																					24041541-086	
9	SG-02	WT	G				0										X	X					X	X								24041541-087	
10	SG-03	WT	G				0										X	X					X	X								24041541-088	
11	T127	WT	G				14	6	3	1	3	1										X											24041541-089
12	T128	WT	G				14	6	3	1	3	1										X											24041541-090
13	X201	WT	G	5-7-24	1325		2	1	1										X							X							24041541-091
14	XPW01	WT	G	5-7-24	1355		2	1	1													X											24041541-092
15	XPW02	WT	G				2	1	1													X											24041541-093
16	XSG-01	WT	G				0										X					X											24041541-094

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1	Samuel Cump	5-7	1602	Samuel Cump	5/7/24	1602				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	JUSTIN COP				
SIGNATURE of SAMPLER:	Justin Cop	DATE Signed (MM/DD/YY):	5-7-24		

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[illegible]

Blanks: filter upon arrival at the lab for dissolved parameters.

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Page: 1 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WIP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB O=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	AP2D		WT	G	5-8-24	952		2	1	1								X															24041541-001	
2	G1001		WT	G				2	1	1								X															24041541-002	
3	G1003		WT	G				4	1	3								X												X			24041541-003	
4	G101		WT	G				14	6	3	1	3	1							X													24041541-004	
5	G102		WT	G				15	6	3	2	3	1						X											X			24041541-005	
6	G103		WT	G				15	6	3	2	3	1						X											X			24041541-006	
7	G105		WT	G				15	6	3	2	3	1						X											X			24041541-007	
8	G106		WT	G				15	6	3	2	3	1						X											X			24041541-008	
9	G107		WT	G				14	6	3	1	3	1						X														24041541-009	
10	G108		WT	G				14	6	3	1	3	1						X														24041541-010	
11	G109		WT	G				14	6	3	1	3	1						X														24041541-011	
12	G110		WT	G				14	6	3	1	3	1						X														24041541-012	
13	G111		WT	G				14	6	3	1	3	1						X														24041541-013	
14	G119		WT	G				14	6	3	1	3	1						X														24041541-014	
15	G120		WT	G				14	6	3	1	3	1						X														24041541-015	
16	G121		WT	G				14	6	3	1	3	1						X														24041541-016	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE			TIME			SAMPLE CONDITIONS																	
COF-24Q2 Rev 1			<i>Bret Gilman</i>			5-8-24	1348	<i>Brin Reed</i>			5/8/24			1348			J LUGS																	

QHS Added HNO_3 (97737) to sample
L2B3 + FB. Added H_2SO_4 (97586) to
sample FB.

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: <u>Vistra Corp-Coffeen</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: <u>134 CIPS Lane</u>		Copy To: <u>Sam Davies-samantha.davies@vistracorp.com</u>		Company Name: <u>Vistra Corp</u>			
<u>Coffeen, IL 62017</u>		<u>John Romang - John.Romang@vistracorp.com</u> <u>Scott Bell- Michael.Bell@vistracorp.com</u>		Address: <u>see Section A</u>			
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		IL STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WFE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↑	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)		Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000						
1	G210	WT G						6	2	1	2	1													X											24041541-033	
2	G211	WT G						6	2	1	2	1																								24041541-034	
3	G212	WT G						6	2	1	2	1												X												24041541-035	
4	G213	WT G						6	2	1	2	1											X													24041541-036	
5	G214	WT G						6	2	1	2	1																								24041541-037	
6	G215	WT G						6	2	1	2	1											X													24041541-038	
7	G216	WT G						6	2	1	2	1																								24041541-039	
8	G217	WT G						6	2	1	2	1											X													24041541-040	
9	G218	WT G						6	2	1	2	1											X													24041541-041	
10	G219	WT G						2	1		1																							X		24041541-104	
11	G220	WT G						2	1		1																						X			24041541-105	
12	G270	WT G				5-8-24		6	2	1	2	1										X														24041541-042	
13	G271	WT G						6	2	1	2	1												X												24041541-043	
14	G272	WT G						6	2	1	2	1												X												24041541-044	
15	G273	WT G						6	2	1	2	1												X												24041541-045	
16	G274	WT G						6	2	1	2	1														X										24041541-046	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q2 Rev 1			<i>Burt W. Reed</i>			5/8/24		1345		<i>Burt W. Reed</i>				5/8/24		1346		> z																			

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Bret Gilligan</i> SIGNATURE OF SAMPLER: <i>[Signature]</i>		DATE Signed (MM/DD/YY): <i>5-8-24</i>	Temp in °C Received on Ice (Y/N) Custody Sealed Container (Y/N) Samples Intact (Y/N)

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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ITEM #	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes <u>MATRIX CODE</u> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AR AR OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)															
											Unpreserved	H₂SO₄	HNO₃	HCl	NaOH	Na₂S₂O₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G407	WT G							4	1	2	1						X													24041541-079				
2	G410	WT G							4	1	2	1										X									24041541-080				
3	G411	WT G							4	1	2	1										X									24041541-081				
4	L203	WT G	5-8-24	1111				18	9	4	1	3	1					X													24041541-082				
5	NE Riser	WT G						0											X												24041541-083				
6	R104	WT G						15	6	3	2	3	1					X							X						24041541-084				
7	R201	WT G						6	2	1	2	1						X				X									24041541-085				
8	R205	WT G						6	2	1	2	1										X									24041541-086				
9	SG-02	WT G						0										X	X												24041541-087				
10	SG-03	WT G						0										X	X												24041541-088				
11	T127	WT G						14	6	3	1	3	1									X									24041541-089				
12	T128	WT G						14	6	3	1	3	1					X													24041541-090				
13	X201	WT G						2	1	1												X									24041541-091				
14	XPW01	WT G						2	1	1								X													24041541-092				
15	XPW02	WT G	5-8-24	1049				2	1	1								X													24041541-093				
16	XSG-01	WT G						0										X													24041541-094				
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q2 Rev 1		Butler			5-8-24		1348		Nick Reed			5/8/24		1348		> z																			

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <u>Bret Gillman</u> SIGNATURE of SAMPLER: <u>[Signature]</u>		DATE Signed (MM/DD/YYYY) <u>5-8-24</u>	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24041541

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Name:		Profile #:	
		Project Number: 2285			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			COF-SUP-000
1	Field Blank		WT	G	5/8/24	1130		21	10	5	2	3	1				X	X	X	X	X	X	X	X	X	X	X	X			24041541-095		
2	G102 Duplicate		WT	G				15	6	3	2	3	1													X					24041541-096		
3	G200 Duplicate		WT	G				6	2	1	2		1								X					X					24041541-097		
4	G273 Duplicate		WT	G				6	2	1	2		1									X				X					24041541-098		
5	G301 Duplicate		WT	G				2	1		1						X														24041541-099		
6	R201 Duplicate		WT	G				6	2	1	2		1								X					X					24041541-100		
7	Equipment Blank 1		WT	G	5-8-24	1124		21	10	5	2	3	1				X	X	X	X	X	X	X	X	X	X	X	X			24041541-101		
8	Equipment Blank 2		WT	G				21	10	5	2	3	1				X	X	X	X	X	X	X	X	X	X	X	X			24041541-102		
9	Equipment Blank 3		WT	G				21	10	5	2	3	1				X	X	X	X	X	X	X	X	X	X	X	X			24041541-103		
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	COF-24Q2 Rev 1	Brett Gillman	5-8-24	1348	Trish Reed	7/8/24	1348	>	z

Blanks: filter upon arrival at the lab for dissolved parameters.

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brett Gillman					
SIGNATURE of SAMPLER: Brett Gillman					
DATE Signed (MM/DD/YY): 5-8-24					

Field Blank date/time
per Brett Gillman. Um
5/8/24

June 14, 2024

Eric Bauer
Ramboll
234 W. Florida Street
Fifth Floor
Milwaukee, WI 53204
TEL: (414) 837-3607
FAX: (414) 837-3608



Illinois	100226
Illinois	1004652024-2
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: COF-24Q2

WorkOrder: 24041542

Dear Eric Bauer:

TEKLAB, INC received 62 samples on 5/8/2024 1:48:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com



Report Contents

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	69
Receiving Check List	71
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

Abbr Definition

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Definitions

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
C - RL shown is a Client Requested Quantitation Limit	E - Value above quantitation range
H - Holding times exceeded	I - Associated internal standard was outside method criteria
J - Analyte detected below quantitation limits	M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit	R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits	T - TIC(Tentatively identified compound)
X - Value exceeds Maximum Contaminant Level	



Case Narrative

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

Cooler Receipt Temp: 1.7 °C

An employee of Teklab, Inc. collected the sample(s).

G152, G206, G206D, G314, G314D, G316, G410, Field Blank, and Equipment Blank 1 collection times per field files. Equipment Blanks 2 and 3 were not needed. EAH 5/9/24

G213, G273, and G283 collection times per field files. EAH 5/14/24

G209 collection time per field file. EAH 6/11/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached reports for results and QC.

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com



Accreditations

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2025	Collinsville
Illinois	IEPA	1004652024-2	NELAP	4/30/2025	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2025	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2024	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2024	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2024	Collinsville
Arkansas	ADEQ	88-0966		3/14/2025	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2026	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Mississippi	MSDH			4/30/2025	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-001
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: AP2D
Collection Date: 05/08/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-002
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G1001
Collection Date: 05/07/2024 10:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-003

Client Sample ID: G151

Matrix: GROUNDWATER

Collection Date: 04/30/2024 10:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-004

Client Sample ID: G152

Matrix: GROUNDWATER

Collection Date: 05/07/2024 11:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-005

Client Sample ID: G153

Matrix: GROUNDWATER

Collection Date: 04/30/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-006

Client Sample ID: G154

Matrix: GROUNDWATER

Collection Date: 04/30/2024 12:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-007
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24

Client Sample ID: G155

Collection Date: 04/30/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-008

Client Sample ID: G200

Matrix: GROUNDWATER

Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-009
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G206
Collection Date: 04/30/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-010

Client Sample ID: G206D

Matrix: GROUNDWATER

Collection Date: 04/30/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-011
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G209
Collection Date: 05/01/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:46	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-012
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G212
Collection Date: 05/01/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-013
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24

Client Sample ID: G213

Collection Date: 05/06/2024 14:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-014
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G215
Collection Date: 04/30/2024 13:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-015

Client Sample ID: G217

Matrix: GROUNDWATER

Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-016

Client Sample ID: G218

Matrix: GROUNDWATER

Collection Date: 05/02/2024 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-017
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G270
Collection Date: 05/08/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-018
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G271
Collection Date: 05/01/2024 13:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-019

Client Sample ID: G273

Matrix: GROUNDWATER

Collection Date: 05/01/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-020

Client Sample ID: G275

Matrix: GROUNDWATER

Collection Date: 05/02/2024 10:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-021
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G275D
Collection Date: 05/02/2024 9:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:23	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-022
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G276
Collection Date: 05/07/2024 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:23	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-023
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G277
Collection Date: 05/07/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:23	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-024
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G279
Collection Date: 05/03/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:23	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-025
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G280
Collection Date: 05/06/2024 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-026
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G281
Collection Date: 05/03/2024 10:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-027
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24

Client Sample ID: G283

Collection Date: 05/06/2024 10:59

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-028
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G284
Collection Date: 05/06/2024 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-029

Client Sample ID: G285

Matrix: GROUNDWATER

Collection Date: 05/06/2024 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-030

Client Sample ID: G301

Matrix: GROUNDWATER

Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-031
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G302
Collection Date: 05/06/2024 11:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-032
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G303
Collection Date: 05/01/2024 10:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-033
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24

Client Sample ID: G305
Collection Date: 05/01/2024 14:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:25	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-034
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24

Client Sample ID: G306
Collection Date: 05/01/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:18	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-035
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G307
Collection Date: 05/02/2024 14:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:18	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-036
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G307D
Collection Date: 05/02/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-037
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24

Client Sample ID: G308

Collection Date: 05/02/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-038

Client Sample ID: G310

Matrix: GROUNDWATER

Collection Date: 05/03/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-039

Client Sample ID: G312

Matrix: GROUNDWATER

Collection Date: 05/06/2024 13:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-040
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24

Client Sample ID: G313

Collection Date: 05/01/2024 12:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-041
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G314
Collection Date: 04/30/2024 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-042
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G314D
Collection Date: 04/30/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-043

Client Sample ID: G315

Matrix: GROUNDWATER

Collection Date: 05/02/2024 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-044
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G316
Collection Date: 04/30/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-045
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G401
Collection Date: 05/02/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-046
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G402
Collection Date: 05/06/2024 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-047

Client Sample ID: G403

Matrix: GROUNDWATER

Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-048
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G404
Collection Date: 05/06/2024 12:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-049

Client Sample ID: G405

Matrix: GROUNDWATER

Collection Date: 05/06/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-050

Client Sample ID: G406

Matrix: GROUNDWATER

Collection Date: 05/06/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-051
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G407
Collection Date: 04/29/2024 14:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-052

Client Sample ID: G410

Matrix: GROUNDWATER

Collection Date: 04/30/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-053

Client Sample ID: G411

Matrix: GROUNDWATER

Collection Date: 04/29/2024 13:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab ID: 24041542-054

Client Sample ID: R201

Matrix: GROUNDWATER

Collection Date: 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-055
Matrix: AQUEOUS

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: Field Blank
Collection Date: 05/08/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-056
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G200 Duplicate
Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-057
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G217 Duplicate
Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-058
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G301 Duplicate
Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-059
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: R201 Duplicate
Collection Date: 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-060
Matrix: AQUEOUS

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: Equipment Blank 1
Collection Date: 05/08/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-063
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G219
Collection Date: 05/07/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 12:07	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-064
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G220
Collection Date: 05/07/2024 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 12:07	R348762



Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041542-001	AP2D	Groundwater	1	05/08/2024 9:52
24041542-002	G1001	Groundwater	1	05/07/2024 10:16
24041542-003	G151	Groundwater	1	04/30/2024 10:11
24041542-004	G152	Groundwater	1	05/07/2024 11:15
24041542-005	G153	Groundwater	1	04/30/2024 12:38
24041542-006	G154	Groundwater	1	04/30/2024 12:01
24041542-007	G155	Groundwater	1	04/30/2024 11:21
24041542-008	G200	Groundwater	1	05/07/2024 12:53
24041542-009	G206	Groundwater	1	04/30/2024 10:57
24041542-010	G206D	Groundwater	1	04/30/2024 10:28
24041542-011	G209	Groundwater	1	05/01/2024 12:16
24041542-012	G212	Groundwater	1	05/01/2024 9:52
24041542-013	G213	Groundwater	1	05/06/2024 14:28
24041542-014	G215	Groundwater	1	04/30/2024 13:19
24041542-015	G217	Groundwater	1	05/02/2024 12:39
24041542-016	G218	Groundwater	1	05/02/2024 11:47
24041542-017	G270	Groundwater	1	05/08/2024 9:40
24041542-018	G271	Groundwater	1	05/01/2024 13:37
24041542-019	G273	Groundwater	1	05/01/2024 12:30
24041542-020	G275	Groundwater	1	05/02/2024 10:33
24041542-021	G275D	Groundwater	1	05/02/2024 9:58
24041542-022	G276	Groundwater	1	05/07/2024 11:45
24041542-023	G277	Groundwater	1	05/07/2024 9:40
24041542-024	G279	Groundwater	1	05/03/2024 9:40
24041542-025	G280	Groundwater	1	05/06/2024 14:07
24041542-026	G281	Groundwater	1	05/03/2024 10:27
24041542-027	G283	Groundwater	1	05/06/2024 10:59
24041542-028	G284	Groundwater	1	05/06/2024 11:36
24041542-029	G285	Groundwater	1	05/06/2024 12:22
24041542-030	G301	Groundwater	1	05/06/2024 10:28
24041542-031	G302	Groundwater	1	05/06/2024 11:54
24041542-032	G303	Groundwater	1	05/01/2024 10:49
24041542-033	G305	Groundwater	1	05/01/2024 14:41
24041542-034	G306	Groundwater	1	05/01/2024 13:47
24041542-035	G307	Groundwater	1	05/02/2024 14:32
24041542-036	G307D	Groundwater	1	05/02/2024 11:35
24041542-037	G308	Groundwater	1	05/02/2024 12:53
24041542-038	G310	Groundwater	1	05/03/2024 9:55
24041542-039	G312	Groundwater	1	05/06/2024 13:29



Sample Summary

<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041542-040	G313	Groundwater	1	05/01/2024 12:13
24041542-041	G314	Groundwater	1	04/30/2024 14:13
24041542-042	G314D	Groundwater	1	04/30/2024 13:07
24041542-043	G315	Groundwater	1	05/02/2024 10:31
24041542-044	G316	Groundwater	1	04/30/2024 11:56
24041542-045	G401	Groundwater	1	05/02/2024 14:06
24041542-046	G402	Groundwater	1	05/06/2024 12:00
24041542-047	G403	Groundwater	1	05/06/2024 10:28
24041542-048	G404	Groundwater	1	05/06/2024 12:44
24041542-049	G405	Groundwater	1	05/06/2024 13:13
24041542-050	G406	Groundwater	1	05/06/2024 11:05
24041542-051	G407	Groundwater	1	04/29/2024 14:52
24041542-052	G410	Groundwater	1	04/30/2024 10:36
24041542-053	G411	Groundwater	1	04/29/2024 13:11
24041542-054	R201	Groundwater	1	05/07/2024 12:43
24041542-055	Field Blank	Aqueous	1	05/08/2024 11:21
24041542-056	G200 Duplicate	Groundwater	1	05/07/2024 12:53
24041542-057	G217 Duplicate	Groundwater	1	05/02/2024 12:39
24041542-058	G301 Duplicate	Groundwater	1	05/06/2024 10:28
24041542-059	R201 Duplicate	Groundwater	1	05/07/2024 12:43
24041542-060	Equipment Blank 1	Aqueous	1	05/08/2024 11:35
24041542-063	G219	Groundwater	1	05/07/2024 11:10
24041542-064	G220	Groundwater	1	05/07/2024 12:08



Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

Carrier: Payton Yoch

Received By: NR

Completed by:

On:

29-Apr-24

Nick Reed

Reviewed by:

On:

09-May-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.7
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☒	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☒

Any No responses must be detailed below or on the COC.

pH strip #96651. - pschultz - 4/30/2024 7:52:02 AM

Per Tracy Carroll, some G411 containers may be marked as G410, and some G410 containers may be marked as G411 (bagging error during bottle prep). - ehurley - 4/30/2024 9:30:40 AM

Samples were received on 4/30/2024 at 16:30 on ice [19.3C - LTG#5]. - pschultz - 4/30/2024 4:51:21 PM

pH strip #96651. DS - pschultz - 4/30/2024 4:52:01 PM

Additional Nitric Acid (97528) was needed in G151, G314, G153, G316, and G314D upon arrival at the laboratory. LH - pschultz - 4/30/2024 4:53:52 PM

Samples were received on 5/1/2024 at 16:31 on ice [12.1C - LTG#5]. - pschultz - 5/2/2024 8:40:53 AM

pH strip #96651. - pschultz - 5/2/2024 8:40:56 AM

Additional Nitric Acid (97606) was needed in G303 upon arrival at the laboratory. - pschultz - 5/2/2024 8:40:59 AM

Samples were received on 5/2/24 at 1615 on ice [16.1C - LTG5]. pH strip #96651. Additional Nitric Acid (97606) was needed in G218 and G275D upon arrival at the laboratory. - amberdilallo - 5/2/2024 5:06:13 PM

Samples were received on 5/3/24 at 1148 on ice [16.3C - LTG5]. Additional Nitric Acid (97606) was needed in G279 upon arrival at the laboratory.



Receiving Check List

<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

pH strip #96651. - amberdilallo - 5/3/2024 12:31:10 PM

Samples were received on 5/6/24 at 1642 on ice [12.9C - LTG5]. Additional Nitric Acid (97606) was needed in G285, G302, and G312 upon arrival at the laboratory. pH strip #96651. - PS/amberdilallo - 5/7/2024 8:24:08 AM

Samples were received on 5/7/24 at 1602 on ice [16.7C - LTG7]. Additional Nitric Acid (97606) was needed upon arrival at the laboratory for G1001 and G220. pH strip #96651. - amberdilallo - 5/8/2024 7:57:17 AM

Samples were received on 5/8/24 at 13:48 on ice [6.9C - LTG#5]. pH strip #96651. - nickreed - 5/8/2024 6:56:18 PM

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REGULATORY AGENCYProject No./ Lab I.D.

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

LTG#5

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Page: 1 of 7

REGULATORY AGENCYProject No./ Lab I.D.

COF-24Q2 Rev 0
Radium reporting, only.

RELINQUISHED BY / AFFILIATION

DATE _____

TIME

ACCEPTED BY / AFFILIATION

DATE _____

TIME

SAMPLE CONDITIONS

Samuel Crang

4-30

1630

Paul E. Egan

4/30/24

16:30

19.3°C

A hand-drawn diagram of a cell. It consists of an outer oval boundary and a smaller inner oval boundary. Inside the inner oval is a small circle containing a 'Y' shape, representing a nucleus.

z

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 4-30-24

Temp in °C

Received on

Custody
Sealed Cooler

Samples
Intact (Y/N)

PH/96651
DS/PS 4/30/24

Added H₂O₃(97528) to G151, G314, G153, G316, G314D
LH/PS 4/30/24

SAMPLER NAME
PRINT
SIGN

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@visstracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@visstracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@visstracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OL WPE AR OTHER TISSUE	OW WT WW P SL CL WP AR OT TS			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			
1	G122		WT	G					0																					N/A				
2	G123		WT	G					0																					N/A				
3	G124		WT	G					0																					N/A				
4	G125		WT	G					0																					N/A				
5	G126		WT	G					0																					N/A				
6	G151		WT	G		4-30-24	1011		2																					24041542-003				
7	G152		WT	G		4-30-24			2																					24041542-004				
8	G153		WT	G		4-30-24	1238		2																					24041542-005				
9	G154		WT	G		4-30-24	1201		2																					24041542-006				
10	G155		WT	G		4-30-24	1121		2																					24041542-007				
11	G200		WT	G					2																					24041542-008				
12	G206		WT	G		4-30-24	1028		2																					24041542-009				
13	G206D		WT	G		4-30-24	1058		2																					24041542-010				
14	G207		WT	G					0																					N/A				
15	G208		WT	G		4-30-24	1128		0																					N/A				
16	G209		WT	G					2																					24041542-011				

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 0 Radium reporting, only.		Daniel Crump		4-30	16:30	Paul Kelly		4/30/24	16:30	Y N Z			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gop					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YYYY): 4-30-24					

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Site Location: IL
STATE:

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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Samples

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)				
1	G122	WT	G	5-1-24	1359		0																												N/A	
2	G123	WT	G				0																													N/A
3	G124	WT	G	5-1-24	1451		0																												N/A	
4	G125	WT	G				0																													N/A
5	G126	WT	G				0																													N/A
6	G151	WT	G				2		2																											24041542-003
7	G152	WT	G				2		2																											24041542-004
8	G153	WT	G				2		2																											24041542-005
9	G154	WT	G				2		2																											24041542-006
10	G155	WT	G				2		2																											24041542-007
11	G200	WT	G				2		2																											24041542-008
12	G206	WT	G				2		2																											24041542-009
13	G206D	WT	G				2		2																											24041542-010
14	G207	WT	G				0																													N/A
15	G208	WT	G				0																													N/A
16	G209	WT	G	5-1-24	1155		2		2																											24041542-011

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		<i>Daniel Camp</i>		5-1		<i>Jason Stuckey</i>		5/1/24	11231				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Cole</i>													
SIGNATURE of SAMPLER: <i>Justin Cole</i>													
DATE Signed (MM/DD/YYYY): <i>5-1-24</i>													

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Ball- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER VW PRODUCT P SOL/SOLID SL OL WPE WP AIR AR OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)			
1	G210	WT	G	5-1-24	1128	0																													N/A
2	G211	WT	G	5-1-24	1040	0																													N/A
3	G212	WT	G	5-1-24	0952	2																													24041542-012
4	G213	WT	G			2																													24041542-013
5	G214	WT	G			0																													N/A
6	G215	WT	G			2																													24041542-014
7	G216	WT	G			0																													N/A
8	G217	WT	G			2																													24041542-015
9	G218	WT	G			2																													24041542-016
10	G219	WT	G			2																													24041542-063
11	G220	WT	G			2																													24041542-064
12	G270	WT	G			2																													24041542-017
13	G271	WT	G	5-1-24	1337	2																													24041542-018
14	G272	WT	G	5-1-24	1310	0																													N/A
15	G273	WT	G	5-1-24	1231	2																													24041542-019
16	G274	WT	G	5-1-24	1421	0																													N/A

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Crump		5-1	1631	Gina Qualls		5/1/24	1631				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Calp													
SIGNATURE of SAMPLER: Justin Calp													
DATE Signed (MM/DD/YY): 5-1-24													

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cdp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-1-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: Visira Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@visiracorp.com		Company Name: Visira Corp			
Coffeen, IL 62017		John Romang - John.Romang@visiracorp.com		Address: see Section A			
Email To: Brian.Voelker@VisiraCorp.com		Scott Bell - Michael.Bell@visiracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test	Requested Analysis Filtered (Y/N)														Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000				Residual Chlorine (Y/N)
1	G307		WT	G				2			2							X							X									24041542-035	
2	G307D		WT	G				2			2							X							X									24041542-036	
3	G308		WT	G				2			2							X							X									24041542-037	
4	G310		WT	G				2			2							X							X									24041542-038	
5	G312		WT	G				2			2							X							X									24041542-039	
6	G313		WT	G	5/1/24	12:13		2			2							X							X									24041542-040	
7	G314		WT	G				2			2							X							X									24041542-041	
8	G314D		WT	G				2			2							X							X									24041542-042	
9	G315		WT	G				2			2							X							X									24041542-043	
10	G316		WT	G				2			2							X							X									24041542-044	
11	G401		WT	G				2			2								X							X			X					24041542-045	
12	G402		WT	G				2			2								X							X			X					24041542-046	
13	G403		WT	G				2			2								X							X			X					24041542-047	
14	G404		WT	G				2			2								X							X			X					24041542-048	
15	G405		WT	G				2			2								X							X			X					24041542-049	
16	G406		WT	G				2			2								X							X			X					24041542-050	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q2 Rev 1 Radium reporting, only.			Daniel Crump			5-1		1631		Omar Oualles			5/1/24		1631							Y			Z										

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp							
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YY): 5-1-24							

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REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location	IL	
STATE:		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	Justin Colp				
DATE Signed (MM/DD/YY):		5-1-24			

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Added H₂O₂ (97606) to sample
G218(1/2) + G 275D(2/2) 96651 ^{mk} 5/2

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@visstracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@visstracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell - Michael.Bell@visstracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)										Project No. / Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104		COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)			
1	G122	WT	G				0																													N/A
2	G123	WT	G				0																													N/A
3	G124	WT	G				0																													N/A
4	G125	WT	G		5-2-24	0941	0																												N/A	
5	G126	WT	G				0																													N/A
6	G151	WT	G				2		2																								X		24041542-003	
7	G152	WT	G				2		2																								X		24041542-004	
8	G153	WT	G				2		2																								X		24041542-005	
9	G154	WT	G				2		2																								X		24041542-006	
10	G155	WT	G				2		2																								X		24041542-007	
11	G200	WT	G				2		2																								X		24041542-008	
12	G206	WT	G				2		2																								X		24041542-009	
13	G206D	WT	G				2		2																								X		24041542-010	
14	G207	WT	G				0																										X		N/A	
15	G208	WT	G				0																										X		N/A	
16	G209	WT	G				2		2																								X		24041542-011	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Samuel Crump		5-2	1615	Samuel Crump		5/2/24	11415				
Radium reporting, only.													

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cold					
SIGNATURE of SAMPLER: [Signature]					

DATE Signed (MM/DD/YY): 5-2-24

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)				
SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE																	Analysis Test																			
1	G210		WT	G				0																										N/A		
2	G211		WT	G				0																										N/A		
3	G212		WT	G				2		2																								24041542-012		
4	G213		WT	G				2		2																								24041542-013		
5	G214		WT	G				0																										N/A		
6	G215		WT	G				2		2																								24041542-014		
7	G216		WT	G				0																										N/A		
8	G217		WT	G	5-2-24	1239		2		2																								24041542-015		
9	G218		WT	G	5-2-24	1100		2		2																								24041542-016		
10	G219		WT	G		1147		2		2																						X		24041542-063		
11	G220		WT	G				2		2																						X		24041542-064		
12	G270		WT	G				2		2									X		X					X	X	X						24041542-017		
13	G271		WT	G				2		2											X					X	X							24041542-018		
14	G272		WT	G				0													X					X	X							N/A		
15	G273		WT	G				2		2											X					X	X							24041542-019		
16	G274		WT	G				0																			X							N/A		
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q2 Rev 1 Radium reporting, only.					Daniel Crump			5-2	1615	Diana Cicaleo			5/2/24	1415																						

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): 5-2-24				

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Page: 4 of 7

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Culp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-2-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Name:		Profile #:	
		Project Number: 2285			

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.		
				DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106
1	G307	WT	G	5/2/24	1432	2	2								X															24041542-035
2	G307D	WT	G	5/2/24	1135	2	2								X															24041542-036
3	G308	WT	G	5/2/24	1253	2	2								X															24041542-037
4	G310	WT	G			2	2								X															24041542-038
5	G312	WT	G			2	2								X															24041542-039
6	G313	WT	G			2	2								X															24041542-040
7	G314	WT	G			2	2								X															24041542-041
8	G314D	WT	G			2	2								X															24041542-042
9	G315	WT	G	5/2/24	1031	2	2								X															24041542-043
10	G316	WT	G			2	2								X															24041542-044
11	G401	WT	G	5-2-24	1406	2	2								X								X							24041542-045
12	G402	WT	G			2	2								X								X							24041542-046
13	G403	WT	G			2	2								X								X							24041542-047
14	G404	WT	G			2	2								X								X							24041542-048
15	G405	WT	G			2	2								X								X							24041542-049
16	G406	WT	G			2	2								X								X							24041542-050

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.	Samuel Crump	5-2	1615	Justin Colp	5/2/24	1615				

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Colp		DATE Signed (MM/DD/YY): 5-2-24	
SIGNATURE of SAMPLER: <i>Justin Colp</i>			

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPIE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102				COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE																																			
1	G407	WT	G				2			2										X													24041542-051		
2	G410	WT	G				2			2												X											24041542-052		
3	G411	WT	G				2			2													X										24041542-053		
4	L203	WT	G				0																										N/A		
5	NE Riser	WT	G				0														X												N/A		
6	R104	WT	G	5-7-24	1300		0															X											N/A		
7	R201	WT	G				2			2												X											24041542-054		
8	R205	WT	G				0																										N/A		
9	SG-02	WT	G				0													X	X												N/A		
10	SG-03	WT	G				0													X	X												N/A		
11	T127	WT	G				0																										N/A		
12	T128	WT	G				0													X													N/A		
13	X201	WT	G				0																				X						N/A		
14	XPW01	WT	G				0															X											N/A		
15	XPW02	WT	G				0															X											N/A		
16	XSG-01	WT	G				0													X													N/A		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q2 Rev 1 Radium reporting, only.		Samuel Grump			5-2		1615		Uma Garcia			5/2/24		1145					y			z													

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Cap		DATE Signed (MM/DD/YY): 5-2-24	
SIGNATURE of SAMPLER: [Signature]			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N ↓ Analysis Test ↑	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000					
1	Field Blank		WT	G				2			2							X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-055				
2	G102 Duplicate		WT	G	5-2-23	1103		0									X											X				N/A				
3	G200 Duplicate		WT	G				2		2										X								X				24041542-056				
4	~~G273 Duplicate~~ G217		WT	G	5-2-23	1239		2		2										X							X					24041542-057				
5	G301 Duplicate		WT	G				2		2								X															24041542-058			
6	R201 Duplicate		WT	G				2		2										X								X					24041542-059			
7	Equipment Blank 1		WT	G				2		2								X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-060			
8	Equipment Blank 2		WT	G				2		2								X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-061			
9	Equipment Blank 3		WT	G				2		2								X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041542-062			
10																																				
11																																				
12																																				
13																																				
14																																				
15																																				
16																																				
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE			TIME			SAMPLE CONDITIONS																			
COF-24Q2 Rev 1 Radium reporting, only.			Samuel Camp			5-2	1615	Jordan Orsille			5/1/24			1415						Y			Z													

PRINT Name of SAMPLER: Justin Colp	DATE Signed (MM/DD/YYYY): 5-2-24	Temp in °F	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER: <i>Justin Colp</i>					

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Page: 1 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Gelp</i>					
SIGNATURE of SAMPLER: <i>Justin Gelp</i>	DATE Signed (MM/DD/YY): <i>F3-24</i>				

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Visira Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@visitracorp.com		Company Name: Visira Corp			
Coffeen, IL 62017		John Romang - John.Romang@visitracorp.com		Address: see Section A			
Email To: Brian.Voelker@VisiraCorp.com		Scott Bell- Michael.Bell@visitracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 /, .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIFE WIF AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
1	G122	WT	G				0																									N/A	
2	G123	WT	G				0																									N/A	
3	G124	WT	G				0																									N/A	
4	G125	WT	G				0																									N/A	
5	G126	WT	G			5-3-24	0953																								N/A		
6	G151	WT	G				2			2																						24041542-003	
7	G152	WT	G				2			2																						24041542-004	
8	G153	WT	G				2			2																						24041542-005	
9	G154	WT	G				2			2																						24041542-006	
10	G155	WT	G				2			2																						24041542-007	
11	G200	WT	G				2			2																						24041542-008	
12	G206	WT	G				2			2																						24041542-009	
13	G206D	WT	G				2			2																						24041542-010	
14	G207	WT	G				0																									N/A	
15	G208	WT	G				0																									N/A	
16	G209	WT	G				2			2																						24041542-011	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		
COF-24Q2 Rev 1		WPAZ		5-3	1148	Smiley, D. L.		5/3/24	1148			
Radium reporting, only.												

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cab					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YYYY): 5-3-24					

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WPE AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
SAMPLE ID (A-Z, 0-9 / -)		Sample IDs MUST BE UNIQUE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:					
DATE Signed (MM/DD/YYYY):					

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 4 of 7

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.	<i>[Signature]</i>	5-3	1148	<i>[Signature]</i>	5/3/24	1148		>	z	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-3-24				

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Required Client Information:

Required Project Information:

Section C
Invoice Information:

Page: 5 of 7

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Jason Stuckey	REGULATORY AGENCY						
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp							
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Belt- Michael.Belt@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER				
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER				
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	<table border="1"> <tr> <td>Site Location</td> <td rowspan="2">IL</td> <td rowspan="2"></td> </tr> <tr> <td>Requested Due Date/TAT: 10 day</td> </tr> </table>			Site Location	IL		Requested Due Date/TAT: 10 day
Site Location	IL									
Requested Due Date/TAT: 10 day										
		Project Number: 2285	Profile #:							

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSS TS	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test (Y/N)	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.								
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃		Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104				COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	G307		WT	G				2			2							X																		24041542-035
2	G307D		WT	G				2			2							X																	24041542-036	
3	G308		WT	G				2			2							X																	24041542-037	
4	G310		WT	G	5/3/24	955		2			2							X																	24041542-038	
5	G312		WT	G				2			2							X																	24041542-039	
6	G313		WT	G				2			2							X																	24041542-040	
7	G314		WT	G				2			2							X																	24041542-041	
8	G314D		WT	G				2			2							X																	24041542-042	
9	G315		WT	G				2			2							X																	24041542-043	
10	G316		WT	G				2			2							X																	24041542-044	
11	G401		WT	G				2			2								X																24041542-045	
12	G402		WT	G				2			2							X																	24041542-046	
13	G403		WT	G				2			2							X																	24041542-047	
14	G404		WT	G				2			2							X																	24041542-048	
15	G405		WT	G				2			2							X																	24041542-049	
16	G406		WT	G				2			2							X																	24041542-050	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION						DATE		TIME		SAMPLE CONDITIONS																
COF-24Q2 Rev 1 Radium reporting, only.			[Signature]			5/3		1148		[Signature]						5/3/24		1148		> z																

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Brett Gillman</i>					
SIGNATURE of SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): <i>5-3-24</i>				

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Page: 6 of 7

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER

Site Location	IL
STATE:	

SAMPLE ID

(A-Z 0-9 / . -)

Sample IDs MUST BE UNIQUE

Valid Matrix Codes	
<u>MATRIX</u>	<u>CODE</u>
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOL/SOLID	SL
OL	OL
WIPE	WP
AR	AR
OTHER	OT
TSQUE	TS

COLLECTED

Preservatives

Requested Analysis Filtered (Y/N)

Analysis Test I

Residual Chlorine (V/V)Project No./ Lab I.D.

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATIONDATE _____丁海廷ACCEPTED BY / AFFILIATIONDATE _____TIME

SAMPLE CONDITIONS

COF-24Q2 Rev 1Radium reporting, only.

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed
(MM/DD/YY):

Temp in °CReceived on

Custody Sealed Cooler (Y/N)	

Samples
Contact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			COF-SUP-000
1	Field Blank		WT	G				2		2																					24041542-055		
2	G102 Duplicate		WT	G				0																							N/A		
3	G200 Duplicate		WT	G				2		2																					24041542-056		
4	G273 Duplicate		WT	G				2		2																					24041542-057		
5	G301 Duplicate		WT	G				2		2																					24041542-058		
6	R201 Duplicate		WT	G				2		2																					24041542-059		
7	Equipment Blank 1		WT	G				2		2																					24041542-060		
8	Equipment Blank 2		WT	G				2		2																					24041542-061		
9	Equipment Blank 3		WT	G				2		2																					24041542-062		
10																																	
11																																	
12																																	
13																																	
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15																																	
16																																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Wty 2		5/3	1148	Wm. O'Connell		5/3/24	1148				
Radium reporting, only.													
PRINT Name of SAMPLER:										Temp in °F	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:													
DATE Signed (MM/DD/YY):													

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 7

PHV 96651 11-1 HNC (97606) to 6200 (320 13)	SAMPLER NAME AND SIGNATURE		Temp in °C	Received on file (Y/N)	Custody Sealed Container (Y/N)	Samples Intact (Y/N)
	PRINT Name of SAMPLER: Brett Gillman					
	SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 5-6-24				

PS 5/7

Per Brett Gilligan, G1003 is dry not G1001. sm
5/8/24

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Project Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)		Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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SAMPLER NAME AND SIGNATURE		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
PRINT Name of SAMPLER:													
SIGNATURE of SAMPLER:													

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: <u>Vistra Corp-Coffeen</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: <u>IL</u> STATE: <u>IL</u>	
Address: <u>134 CIPS Lane</u>		Copy To: <u>Sam Davies-samantha.davies@vistracorp.com</u>		Company Name: <u>Vistra Corp</u>			
<u>Coffeen, IL 62017</u>		John Romang - <u>John.Romang@vistracorp.com</u>		Address: <u>see Section A</u>			
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Scott Bell - <u>Michael.Bell@vistracorp.com</u>		Quote Reference:			
Phone: <u>(217) 753-8911</u> Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: <u>10 day</u>		Project Number: <u>2285</u>		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIFE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Drew Gilligan</u>							
SIGNATURE of SAMPLER: <u>[Signature]</u> DATE Signed (MM/DD/YY): <u>5-6-24</u>							

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104			COF-WPCP-106	COF-SUP-000
1	G275		WT	G				2			2																					24041542-020	
2	G275D		WT	G				2			2																					24041542-021	
3	G276		WT	G				2			2																					24041542-022	
4	G277		WT	G				2			2																					24041542-023	
5	G278		WT	G				0																								N/A	
6	G279		WT	G				2			2																					24041542-024	
7	G280		WT	G	5-6-24	1407		2			2																					24041542-025	
8	G281		WT	G				2			2																					24041542-026	
9	G283		WT	G	5-6-24	1100		2			2																					24041542-027	
10	G284		WT	G	5-6-24	1136		2			2																					24041542-028	
11	G285		WT	G	5-6-24	1222		2			2																					24041542-029	
12	G301		WT	G	5/16/24	1028		2			2																					24041542-030	
13	G302		WT	G	5/16/24	1154		2			2																					24041542-031	
14	G303		WT	G				2			2																					24041542-032	
15	G305		WT	G				2			2																					24041542-033	
16	G306		WT	G				2			2																					24041542-034	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q2 Rev 1 Radium reporting, only.		Samuel Crump		5-6		1642		Wich-Roll		5/6/24		1642																					

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Samuel Crump		5-6	1642	Justin Cole		5/16/24	1642				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole													
SIGNATURE of SAMPLER: Justin Cole													
DATE Signed (MM/DD/YY): 5-6-24													

CHAIN-OF-CUSTODY / Analytical Request Document

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24041542

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: <u>Vistra Corp-Coffeen</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: <u>IL</u> STATE: <u>IL</u>	
Address: <u>134 CIPS Lane</u>		Copy To: <u>Sam Davies-samantha.davies@vistracorp.com</u>		Company Name: <u>Vistra Corp</u>			
<u>Coffeen, IL 62017</u>		John Romang - <u>John.Romang@vistracorp.com</u>		Address: <u>see Section A</u>			
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Scott Belt - <u>Michael.Belt@vistracorp.com</u>		Quote Reference:			
Phone: <u>(217) 753-8911</u> Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: <u>10 day</u>		Project Name:		Profile #:			
		Project Number: <u>2285</u>					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000		
1	G307		WT	G				2										X													24041542-035		
2	G307D		WT	G				2										X													24041542-036		
3	G308		WT	G				2										X													24041542-037		
4	G310		WT	G				2										X													24041542-038		
5	G312		WT	G	5/6/24	1329		2										X													24041542-039		
6	G313		WT	G				2										X													24041542-040		
7	G314		WT	G				2										X													24041542-041		
8	G314D		WT	G				2										X													24041542-042		
9	G315		WT	G				2										X													24041542-043		
10	G316		WT	G				2										X													24041542-044		
11	G401		WT	G				2											X												24041542-045		
12	G402		WT	G	5-6-24	1200		2										X													24041542-046		
13	G403		WT	G	5-6-24	1028		2										X													24041542-047		
14	G404		WT	G	5-6-24	1244		2										X													24041542-048		
15	G405		WT	G	5-6-24	1313		2										X													24041542-049		
16	G406		WT	G	5-6-24	1105		2										X													24041542-050		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																
COF-24Q2 Rev 1 Radium reporting, only.			Daniel Camp		5-6		1642		Nick Reed				5/6/24		1642		> z																

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Cump		5-6	1642	Nick Reed		5/6/24	1642				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Justin Gid</u>													
SIGNATURE of SAMPLER: <u>[Signature]</u> DATE Signed (MM/DD/YY): <u>5-6-24</u>													

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Page: 6 of 7

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location	IL	
STATE:		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Brett Gillman</i>					
SIGNATURE of SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): <i>5-6-24</i>				

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: <u>Vistra Corp-Coffeen</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: <u>IL</u> STATE: <u>IL</u>	
Address: <u>134 CIPS Lane</u>		Copy To: <u>Sam Davies-samantha.davies@vistracorp.com</u>		Company Name: <u>Vistra Corp</u>			
<u>Coffeen, IL 62017</u>		John Romang - <u>John.Romang@vistracorp.com</u>		Address: <u>see Section A</u>			
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Scott Reil - <u>Michael.Reil@vistracorp.com</u>		Quote Reference:			
Phone: <u>(217) 753-8911</u> Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: <u>10 day</u>		Project Name:		Profile #:			
		Project Number: <u>2285</u>					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER W1 WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			COF-SUP-000
1	Field Blank		WT	G				2										X	X	X	X	X	X	X	X	X	X	X	X	X	24041542-055		
2	G102 Duplicate		WT	G				0																							N/A		
3	G200 Duplicate		WT	G				2												X											24041542-056		
4	G273 Duplicate		WT	G				2																							24041542-057		
5	G301 Duplicate		WT	G	5/6/24	1028		2																							24041542-058		
6	R201 Duplicate		WT	G				2																							24041542-059		
7	Equipment Blank 1		WT	G				2											X	X	X	X	X	X	X	X	X	X	X	X	24041542-060		
8	Equipment Blank 2		WT	G				2											X	X	X	X	X	X	X	X	X	X	X	X	24041542-061		
9	Equipment Blank 3		WT	G				2											X	X	X	X	X	X	X	X	X	X	X	X	24041542-062		
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																	
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Grump			5/6		1642		Nick Reed			5/6/24		1642		> z																	

PRINT Name of SAMPLER: <u>Bret Gilligan</u>	DATE Signed (MM/DD/YY): <u>5-6-24</u>	Temp in °F	Received on Ice (Y/N)	Cooler Sealed (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER: <u>Bret Gilligan</u>					

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Page: 1 of 7

Requested Analysis Filtered (Y/N)

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody (Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE OF SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5/7/24				

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell - Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL CL W/PE WP AR OTHER OT TISSUE TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)				
							DATE	TIME			COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102		COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)												
1		G122	WT	G					0																												N/A	
2		G123	WT	G		5-7-24	10:01		0																											N/A		
3		G124	WT	G					0																											N/A		
4		G125	WT	G					0																											N/A		
5		G126	WT	G					0																											N/A		
6		G151	WT	G					2			2																						X		24041542-003		
7		G152	WT	G		5-7-24	10:28		2			2																					X		24041542-004			
8		G153	WT	G					2			2																						X		24041542-005		
9		G154	WT	G					2			2																					X		24041542-006			
10		G155	WT	G					2			2																					X		24041542-007			
11		G200	WT	G		5-7-24	12:53		2			2																					X		24041542-008			
12		G206	WT	G					2			2																						X		24041542-009		
13		G206D	WT	G					2			2																						X		24041542-010		
14		G207	WT	G		5-7-24	11:46		0																									X		N/A		
15		G208	WT	G		5-7-24			0																									X		N/A		
16		G209	WT	G					2			2																						X		24041542-011		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE			TIME		SAMPLE CONDITIONS																				
COF-24Q2 Rev 1 Radium reporting, only.			Daniel Crump			5-7		1602		Sma. G. Wells			5/7/14			1602		y z																				

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Crump		5-7	10:02	SMC O'Connell		5/7/24	11:02				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gw													
SIGNATURE of SAMPLER: Justin Gw													
DATE Signed (MM/DD/YY): 5-7-24													

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: Vistra Corp-Coffeen
Address: 134 CIPS Lane
Coffeen, IL 62017
Email To: Brian.Voelker@VistraCorp.com
Phone: (217) 753-8911 Fax:
Requested Due Date/TAT: 10 day

Section B Required Project Information:

Report To: Brian Voelker
Copy To: Sam Davies-samantha.davies@vistracorp.com
John Romang - John.Romang@vistracorp.com
Scott Bell - Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: 2285

Section C Invoice Information:

Attention: Jason Stuckey
Company Name: Vistra Corp
Address: see Section A
Quote Reference:
Project Manager:
Profile #:

Page: 3 of 7

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.									
ITEM #	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	G210	WT	G				0																										N/A
2	G211	WT	G				0																										N/A
3	G212	WT	G				2			2								X															24041542-012
4	G213	WT	G				2			2								X															24041542-013
5	G214	WT	G				0																										N/A
6	G215	WT	G				2			2								X															24041542-014
7	G216	WT	G				0																										N/A
8	G217	WT	G				2			2								X															24041542-015
9	G218	WT	G				2			2								X															24041542-016
10	G219	WT	G	5-7-24	1110		2			2																					X		24041542-063
11	G220	WT	G	5-7-24	1208		2			2																				X			24041542-064
12	G270	WT	G				2			2							X		X				X	X	X	X							24041542-017
13	G271	WT	G				2			2								X						X	X								24041542-018
14	G272	WT	G				0												X					X	X								N/A
15	G273	WT	G				2			2								X						X	X								24041542-019
16	G274	WT	G				0																			X							N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS										
COF-24Q2 Rev 1 Radium reporting, only.	Daniel Camp	5-7	1202	Daniel Disalle	5/7/24	1102											

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cap				
SIGNATURE of SAMPLER:	Justin Cap	DATE Signed (MM/DD/YY):	5-7-24		

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)		Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE		DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OL WIPE AIR OTHER TSSUE	QW WT WW P SL OL WP AR OT TS							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104					COF-WPCP-106	COF-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		<i>Samuel Camp</i>		5/7	1602	<i>Samuel Camp</i>		5/7/24	1100				
Radium reporting, only.													

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:					
DATE Signed (MM/DD/YY):					

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Page: 6 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	G407		WT	G				2		2																								24041542-051
2	G410		WT	G				2		2																								24041542-052
3	G411		WT	G				2		2																								24041542-053
4	L203		WT	G				0																										N/A
5	NE Riser		WT	G				0																										N/A
6	R104		WT	G				0																										N/A
7	R201		WT	G	5-7-24	1243		2		2																								24041542-054
8	R205		WT	G	5-7-24	1320		0																										N/A
9	SG-02		WT	G				0																										N/A
10	SG-03		WT	G				0																										N/A
11	T127		WT	G				0																										N/A
12	T128		WT	G				0																										N/A
13	X201		WT	G	5-7-24	1325		0																										N/A
14	XPW01		WT	G	5-7-24	1355		0																										N/A
15	XPW02		WT	G				0																										N/A
16	XSG-01		WT	G				0																										N/A
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION								DATE	TIME	SAMPLE CONDITIONS															
COF-24Q2 Rev 1 Radium reporting, only.					Daniel Camp		5-7	1603	Ymar Calles								5/7/24																	

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			COF-SUP-000
1	Field Blank		WT	G				2																								24041542-055	
2	G102 Duplicate		WT	G				0																								N/A	
3	G200 Duplicate		WT	G	5-7-24	1253		2																								24041542-056	
4	G273 Duplicate		WT	G				2																								24041542-057	
5	G301 Duplicate		WT	G				2																								24041542-058	
6	R201 Duplicate		WT	G	5/7/24	1243		2																								24041542-059	
7	Equipment Blank 1		WT	G				2																								24041542-060	
8	Equipment Blank 2		WT	G				2																								24041542-061	
9	Equipment Blank 3		WT	G				2																								24041542-062	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Exmic Group		5-7	1602	Justin Col		5/7/24	1602				
Radium reporting, only.													
PRINT Name of SAMPLER: Justin Col										Temp in °C			
SIGNATURE of SAMPLER: [Signature]													
DATE Signed (MM/DD/YY): 5-7-24										Received on Ice (Y/N)			
										Custody Sealed Cooler (Y/N)			
										Samples Intact (Y/N)			

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER: DW WATER: WT WASTE WATER: WW PRODUCT: P SOIL/SOLID: SL OIL: OL WIPE: WP AIR: AR OTHER: OT Tissue: TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Project No / Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
1	AP2D		WT	G	5-8-24	952		2																									24041542-001
2	G1001		WT	G				2																									24041542-002
3	G1003		WT	G				0																									N/A
4	G101		WT	G				0																									N/A
5	G102		WT	G				0																									N/A
6	G103		WT	G				0																									N/A
7	G105		WT	G				0																									N/A
8	G106		WT	G				0																									N/A
9	G107		WT	G				0																									N/A
10	G108		WT	G				0																									N/A
11	G109		WT	G				0																									N/A
12	G110		WT	G				0																									N/A
13	G111		WT	G				0																									N/A
14	G119		WT	G				0																									N/A
15	G120		WT	G				0																									N/A
16	G121		WT	G				0																									N/A

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		<i>Bret Gillen</i>		5-8-24	1348	<i>Rich Reed</i>		5/8/24	1348	Temp in °C: 6.2 Received on Ice (Y/N): Y Custody Sealed Cooler (Y/N): Y Samples Intact (Y/N): Y			

SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YY): 5-8-24
PRINT Name of SAMPLER: Bret Gillen		
SIGNATURE of SAMPLER: <i>Bret Gillen</i>		

96651 m 5/8

LT6#5

24041542

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell Michael Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT SOL/SOLID OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000			
1	G210	WT	G				0																										N/A	
2	G211	WT	G				0																										N/A	
3	G212	WT	G				2			2											X												24041542-012	
4	G213	WT	G				2			2											X												24041542-013	
5	G214	WT	G				0																					X					N/A	
6	G215	WT	G				2			2											X								X				24041542-014	
7	G216	WT	G				0																					X					N/A	
8	G217	WT	G				2			2											X							X					24041542-015	
9	G218	WT	G				2			2											X							X					24041542-016	
10	G219	WT	G				2			2																					X		24041542-063	
11	G220	WT	G				2			2																					X		24041542-064	
12	G270	WT	G		5-8-24 940		2			2										X		X			X		X						24041542-017	
13	G271	WT	G				2			2												X				X		X					24041542-018	
14	G272	WT	G				0														X					X		X					N/A	
15	G273	WT	G				2			2												X				X		X					24041542-019	
16	G274	WT	G				0																					X					N/A	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Bret Gillen		5-8-24	1348	Nick Kroll		5/8/24	1348	Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)			
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Bret Gillen SIGNATURE of SAMPLER: <i>Bret Gillen</i> DATE Signed (MM/DD/YY): 5-8-24													

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Bell - Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **6** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.							
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)			
1	G407	WT	G			2		2							X															24041542-051	
2	G410	WT	G			2		2																X						24041542-052	
3	G411	WT	G			2		2																X						24041542-053	
4	L203	WT	G	5-8-24	11:11	0													X											N/A	
5	NE Riser	WT	G			0									X						X									N/A	
6	R104	WT	G			0												X						X						N/A	
7	R201	WT	G			2		2							X						X			X						24041542-054	
8	R205	WT	G			0																		X						N/A	
9	SG-02	WT	G			0								X	X				X	X										N/A	
10	SG-03	WT	G			0								X	X				X	X										N/A	
11	T127	WT	G			0												X												N/A	
12	T128	WT	G			0												X												N/A	
13	X201	WT	G			0											X						X							N/A	
14	XPW01	WT	G			0													X											N/A	
15	XPW02	WT	G	5-8-24	1049	0													X												N/A
16	XSG-01	WT	G			0								X					X												N/A

SAMPLER NAME AND SIGNATURE		DATE		TIME		SAMPLE CONDITIONS	
PRINT Name of SAMPLER:	<i>Bret Guller</i>	5-8-24	1348	ACCEPTED BY / AFFILIATION:	<i>Nick Reed</i>	5/8/24	1348
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE Signed (MM/DD/YY):	5-8-24				

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C
Invoice Information:

Page: 7 of 7

Confidential

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/11/2024 1:18:42 PM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



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Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-1 Revision 1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Revision

The report being provided is a revision of the original report sent on 6/10/2024. The report (revision 1) is being revised in order to correct collection times that were inaccurate on the original chain-of-custody (COC). A revised COC is included with the revised report.

Receipt

The samples were received on 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 1 of 3.

Method 903.0 - Radium-226 (GFPC)

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-1

Job ID: 160-54048-1 (Continued)

Eurofins St. Louis

Samples 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/7/2024.

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

Method 904.0 - Radium-228 (GFPC)

Samples 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/4/2024.

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 24041542-013 (160-54048-13) . Analytical results are reported with the detection limit achieved.

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

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/7/2024 and 6/10/2024.

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

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: QC Level: 2

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standad TAT

Billing/PO:

36143

Phone:

618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

EDH 5/19/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-001	5/8/24 0952	HNO3	Groundwater
	24041542-002	5/7/24 1016	HNO3	Groundwater
	24041542-003	4/30/24 1011	HNO3	Groundwater
	24041542-004	5/7/24 1115 *	HNO3	Groundwater
	24041542-005	4/30/24 1238	HNO3	Groundwater
	24041542-006	4/30/24 1201	HNO3	Groundwater
	24041542-007	4/30/24 1121	HNO3	Groundwater
	24041542-008	5/7/24 1253	HNO3	Groundwater
	24041542-009	4/30/24 1020 *	HNO3	Groundwater
	24041542-010	4/30/24 1058 *	HNO3	Groundwater
	24041542-011	5/1/24 1155	HNO3	Groundwater

Ra226/228 Radium 226 Radium 228



160-54048 Chain of Custody

*Relinquished By

Signature

Date/Time

5/10/24 1400

Received By

Signature

Date/Time

5/10/24 1500

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCapRevA
3-2-2016

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

PLEASE NOTE:

[illegible]

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: Teklab Sampling TeamQC Level: 2

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standard TAT

Billing/PO:

36143

Phone: 618 344-1004 ext. 33

Comments:

Please issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Ra226/228 Radium 226 Radium 228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-034	5/1/24 1347	HNO3	Groundwater
	24041542-035	5/2/24 1432	HNO3	Groundwater
	24041542-036	5/2/24 1135	HNO3	Groundwater
	24041542-037	5/2/24 1253	HNO3	Groundwater
	24041542-038	5/3/24 0955	HNO3	Groundwater
	24041542-039	5/6/24 1329	HNO3	Groundwater
	24041542-040	5/1/24 1213	HNO3	Groundwater
	24041542-041	4/30/24 4326 143 * 143 * 143 *	HNO3	Groundwater
	24041542-042	4/30/24 1225 1301 *	HNO3	Groundwater
	24041542-043	5/2/24 1031	HNO3	Groundwater
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater

*Relinquished By

Diana Orellana

Date/Time

5/1/24 1400

Received By

M. P. P. P. P.

Date/Time

5/1/24 1400

MAY 10 2024 1500

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team

Project#	24041542

Comments: **Please Issue reports and invoices via email only**

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Email: ehurley@teklabinc.com

Email:

Contact: Elizabeth Hurley

Requested Due Date:	Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NE LAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NE LAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-045	5/2/24 1408	HNO3	Groundwater
	24041542-046	5/6/24 1200	HNO3	Groundwater
	24041542-047	5/6/24 1028	HNO3	Groundwater
	24041542-048	5/6/24 1244	HNO3	Groundwater
	24041542-049	5/6/24 1313	HNO3	Groundwater
	24041542-050	5/6/24 1105	HNO3	Groundwater
	24041542-051	4/29/24 1452	HNO3	Groundwater
	24041542-052	4/30/24 1008 TE SMA	HNO3	Groundwater
	24041542-053	4/29/24 1311	HNO3	Groundwater
	24041542-054	5/7/24 1243	HNO3	Groundwater
	24041542-055	5/6/24 1428 TE SMA	HNO3	Aqueous

Relinquished By

Date/Time:

Ba

Date Recd.

Date/Time:

6/11/2024 (Rev. 1)

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sam

Teklab Sampling Team

QC Level: 2

Project#	24041542

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per standard GW methods (Vistra project).
	Changes to methods must be approved by Teklab, Inc.
	Batch QC is required for all analyses requested. Excel EDD requested. IL site.

ehurley@teklabinc.com	36143

Email: _____
Billing/PO: _____

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report if your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes. please contact Teklab immediately if your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-056	5/7/24 1253	HNO3	Groundwater
	24041542-057	5/2/24 1239	HNO3	Groundwater
	24041542-058	5/6/24 1028	HNO3	Groundwater
	24041542-059	5/7/24 1243	HNO3	Groundwater
	24041542-060	5/8/24 1224 1135 AM	HNO3 *	Aqueous
	24041542-063	5/7/24 1110 511 PM	HNO3 *	Aqueous GW
	24041542-064	5/7/24 1208	HNO3 *	Aqueous GW
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

FIELD NOTE:

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Radium 226 Radium 228 Ra226/228

Relinquished By	Date/Time	Received By	Date/Time
[Signature]	5/14/24 1400	[Signature]	5/14/24 1400
	5/14/24 1300	Mr. Arnold	5/14/24 1400
			MAY 10 2024 1500

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler:

QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

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ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-001	5/8/24 ~~4348~~ 0952	HNO3	Groundwater	✓														
	24041542-002	5/7/24 1016	HNO3	Groundwater	✓														
	24041542-003	4/30/24 1011	HNO3	Groundwater			✓	✓											
	24041542-004	5/7/24 ~~4020~~ 1115 TP * 5/16/24	HNO3	Groundwater			✓	✓											
	24041542-005	4/30/24 1238	HNO3	Groundwater			✓	✓											
	24041542-006	4/30/24 1201	HNO3	Groundwater	✓		✓	✓											
	24041542-007	4/30/24 1121	HNO3	Groundwater			✓	✓											
	24041542-008	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-009	4/30/24 ~~4020~~ 1058 *	HNO3	Groundwater	✓														
	24041542-010	4/30/24 ~~1058~~ 1028 *	HNO3	Groundwater	✓														
	24041542-011	5/1/24 1155	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>SMO Delalle</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

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Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-012	5/1/24 0952	HNO3	Groundwater	✓														
	24041542-013	5/6/24 1429	HNO3	Groundwater	✓														
	24041542-014	4/30/24 1319	HNO3	Groundwater	✓														
	24041542-015	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-016	5/2/24 1147	HNO3	Groundwater	✓														
	24041542-017	5/8/24 0940	HNO3	Groundwater	✓														
	24041542-018	5/1/24 1337	HNO3	Groundwater	✓														
	24041542-019	5/1/24 1231	HNO3	Groundwater	✓														
	24041542-020	5/2/24 1033	HNO3	Groundwater	✓														
	24041542-021	5/2/24 0958	HNO3	Groundwater	✓														
	24041542-022	5/7/24 1145	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Uma S. Wells</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-023	5/7/24 0940	HNO3	Groundwater	✓														
	24041542-024	5/3/24 0940	HNO3	Groundwater	✓														
	24041542-025	5/6/24 1407	HNO3	Groundwater	✓														
	24041542-026	5/3/24 1027	HNO3	Groundwater	✓														
	24041542-027	5/6/24 1100	HNO3	Groundwater	✓														
	24041542-028	5/6/24 1136	HNO3	Groundwater	✓														
	24041542-029	5/6/24 1222	HNO3	Groundwater	✓														
	24041542-030	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-031	5/6/24 1154	HNO3	Groundwater	✓														
	24041542-032	5/1/24 1049	HNO3	Groundwater	✓														
	24041542-033	5/1/24 1441	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emily Delano</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler:

QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-034	5/1/24 1347	HNO3	Groundwater	✓														
	24041542-035	5/2/24 1432	HNO3	Groundwater	✓														
	24041542-036	5/2/24 1135	HNO3	Groundwater	✓														
	24041542-037	5/2/24 1253	HNO3	Groundwater	✓														
	24041542-038	5/3/24 0955	HNO3	Groundwater	✓														
	24041542-039	5/6/24 1329	HNO3	Groundwater	✓														
	24041542-040	5/1/24 1213	HNO3	Groundwater	✓														
	24041542-041	4/30/24 1336 1413 ¹⁵ ₅₄ *	HNO3	Groundwater	✓														
	24041542-042	4/30/24 1225 1307 *	HNO3	Groundwater	✓														
	24041542-043	5/2/24 1031	HNO3	Groundwater	✓														
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Imogen Delall</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24041542-045	5/2/24 1406	HNO3	Groundwater	✓												
	24041542-046	5/6/24 1200	HNO3	Groundwater	✓												
	24041542-047	5/6/24 1028	HNO3	Groundwater	✓												
	24041542-048	5/6/24 1244	HNO3	Groundwater	✓												
	24041542-049	5/6/24 1313	HNO3	Groundwater	✓												
	24041542-050	5/6/24 1105	HNO3	Groundwater	✓												
	24041542-051	4/29/24 1452	HNO3	Groundwater	✓												
	24041542-052	4/30/24 1030 ^{TE} ^{SH}	HNO3	Groundwater	✓												
	24041542-053	4/29/24 1311	HNO3	Groundwater	✓												
	24041542-054	5/7/24 1243	HNO3	Groundwater	✓												
	24041542-055	5/8/24 1122 *	HNO3	Aqueous	✓	✓	✓										

*Relinquished By	Date/Time	Received By	Date/Time
<i>Ona O'Leary</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level:

Project#

Comments: **Please issue reports and invoices via email only**
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Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-056	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-057	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-058	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-059	5/7/24 1243	HNO3	Groundwater	✓														
	24041542-060	5/8/24 1424 1135 ¹⁰ _{5/9/24} *	HNO3	Aqueous	✓	✓	✓												
	24041542-063	5/7/24 1110	HNO3	* Aqueous GW	✓	✓	✓												
	24041542-064	5/7/24 1208	HNO3	* Aqueous GW	✓	✓	✓												
			HNO3	Groundwater	✓														
			HNO3	Groundwater	✓														
			HNO3	Groundwater															
			HNO3	Groundwater															

*Relinquished By	Date/Time	Received By	Date/Time
<i>Erica Delalle</i>			

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-1

SDG Number: 24041542

Login Number: 54048

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

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

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
COP-845-162
SDG: 24041542

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-1	24041542-001	Water	05/08/24 09:52	05/10/24 15:00
160-54048-2	24041542-002	Water	05/07/24 10:16	05/10/24 15:00
160-54048-3	24041542-003	Water	04/30/24 10:11	05/10/24 15:00
160-54048-4	24041542-004	Water	05/07/24 11:15	05/10/24 15:00
160-54048-5	24041542-005	Water	04/30/24 12:38	05/10/24 15:00
160-54048-6	24041542-006	Water	04/30/24 12:01	05/10/24 15:00
160-54048-7	24041542-007	Water	04/30/24 11:21	05/10/24 15:00
160-54048-8	24041542-008	Water	05/07/24 12:53	05/10/24 15:00
160-54048-9	24041542-009	Water	04/30/24 10:57	05/10/24 15:00
160-54048-10	24041542-010	Water	04/30/24 10:28	05/10/24 15:00
160-54048-11	24041542-011	Water	05/01/24 12:16	05/10/24 15:00
160-54048-12	24041542-012	Water	05/01/24 09:52	05/10/24 15:00
160-54048-13	24041542-013	Water	05/06/24 14:28	05/10/24 15:00
160-54048-14	24041542-014	Water	04/30/24 13:19	05/10/24 15:00
160-54048-15	24041542-015	Water	05/02/24 12:39	05/10/24 15:00
160-54048-16	24041542-016	Water	05/02/24 11:47	05/10/24 15:00
160-54048-17	24041542-017	Water	05/08/24 09:40	05/10/24 15:00
160-54048-18	24041542-018	Water	05/01/24 13:37	05/10/24 15:00
160-54048-19	24041542-019	Water	05/01/24 12:30	05/10/24 15:00
160-54048-20	24041542-020	Water	05/02/24 10:33	05/10/24 15:00

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-001

Lab Sample ID: 160-54048-1

Date Collected: 05/08/24 09:52

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0369	U	0.0714	0.0715	1.00	0.131	pCi/L	05/14/24 08:44	06/07/24 09:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					05/14/24 08:44	06/07/24 09:11	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.553	U	0.378	0.382	1.00	0.573	pCi/L	05/14/24 08:50	06/04/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					05/14/24 08:50	06/04/24 11:42	1
Y Carrier	83.4		30 - 110					05/14/24 08:50	06/04/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.590		0.385	0.389	5.00	0.573	pCi/L		06/07/24 16:03	1

Client Sample ID: 24041542-002

Lab Sample ID: 160-54048-2

Date Collected: 05/07/24 10:16

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.228		0.122	0.124	1.00	0.144	pCi/L	05/14/24 08:44	06/07/24 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/14/24 08:44	06/07/24 09:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.243	U	0.300	0.301	1.00	0.497	pCi/L	05/14/24 08:50	06/04/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/14/24 08:50	06/04/24 11:43	1
Y Carrier	86.0		30 - 110					05/14/24 08:50	06/04/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.470	U	0.324	0.326	5.00	0.497	pCi/L		06/07/24 16:03	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-003

Lab Sample ID: 160-54048-3

Date Collected: 04/30/24 10:11

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.120	U	0.103	0.104	1.00	0.151	pCi/L	05/14/24 08:44	06/07/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					05/14/24 08:44	06/07/24 09:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0677	U	0.284	0.285	1.00	0.519	pCi/L	05/14/24 08:50	06/04/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					05/14/24 08:50	06/04/24 11:43	1
Y Carrier	81.9		30 - 110					05/14/24 08:50	06/04/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.188	U	0.302	0.303	5.00	0.519	pCi/L		06/07/24 16:03	1

Client Sample ID: 24041542-004

Lab Sample ID: 160-54048-4

Date Collected: 05/07/24 11:15

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.367		0.222	0.224	1.00	0.296	pCi/L	05/14/24 08:44	06/07/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					05/14/24 08:44	06/07/24 09:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.467	U	0.499	0.501	1.00	0.809	pCi/L	05/14/24 08:50	06/04/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					05/14/24 08:50	06/04/24 11:43	1
Y Carrier	82.6		30 - 110					05/14/24 08:50	06/04/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.834		0.546	0.549	5.00	0.809	pCi/L		06/07/24 16:03	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-005

Lab Sample ID: 160-54048-5

Date Collected: 04/30/24 12:38

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0382	U	0.0839	0.0840	1.00	0.154	pCi/L	05/14/24 08:44	06/07/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/14/24 08:44	06/07/24 09:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.492	U	0.340	0.343	1.00	0.511	pCi/L	05/14/24 08:50	06/04/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/14/24 08:50	06/04/24 11:43	1
Y Carrier	87.5		30 - 110					05/14/24 08:50	06/04/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.530		0.350	0.353	5.00	0.511	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-006

Lab Sample ID: 160-54048-6

Date Collected: 04/30/24 12:01

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0399	U	0.115	0.115	1.00	0.214	pCi/L	05/14/24 08:44	06/07/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.9		30 - 110					05/14/24 08:44	06/07/24 09:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.347	U	0.362	0.363	1.00	0.585	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.9		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	83.7		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.387	U	0.380	0.381	5.00	0.585	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-007

Lab Sample ID: 160-54048-7

Date Collected: 04/30/24 11:21

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.179		0.111	0.112	1.00	0.140	pCi/L	05/14/24 08:44	06/07/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/14/24 08:44	06/07/24 09:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0429	U	0.251	0.251	1.00	0.490	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	84.9		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.179	U	0.274	0.275	5.00	0.490	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-008

Lab Sample ID: 160-54048-8

Date Collected: 05/07/24 12:53

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00792	U	0.0917	0.0917	1.00	0.181	pCi/L	05/14/24 08:44	06/07/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					05/14/24 08:44	06/07/24 09:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0785	U	0.280	0.280	1.00	0.505	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	84.5		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0864	U	0.295	0.295	5.00	0.505	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-009

Lab Sample ID: 160-54048-9

Date Collected: 04/30/24 10:57

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.188	U	0.148	0.149	1.00	0.224	pCi/L	05/14/24 08:44	06/07/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/14/24 08:44	06/07/24 09:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0778	U	0.270	0.270	1.00	0.491	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	81.1		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.266	U	0.308	0.308	5.00	0.491	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-010

Lab Sample ID: 160-54048-10

Date Collected: 04/30/24 10:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.236		0.153	0.154	1.00	0.214	pCi/L	05/14/24 08:44	06/07/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					05/14/24 08:44	06/07/24 09:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0943	U	0.282	0.282	1.00	0.505	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	85.6		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.330	U	0.321	0.321	5.00	0.505	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-011

Lab Sample ID: 160-54048-11

Date Collected: 05/01/24 12:16

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.162	U	0.122	0.123	1.00	0.178	pCi/L	05/14/24 08:44	06/07/24 09:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/14/24 08:44	06/07/24 09:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.491	U	0.361	0.363	1.00	0.551	pCi/L	05/14/24 08:50	06/04/24 11:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/14/24 08:50	06/04/24 11:46	1
Y Carrier	86.0		30 - 110					05/14/24 08:50	06/04/24 11:46	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.653		0.381	0.383	5.00	0.551	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-012

Lab Sample ID: 160-54048-12

Date Collected: 05/01/24 09:52

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0450	U	0.107	0.107	1.00	0.195	pCi/L	05/14/24 08:44	06/07/24 09:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					05/14/24 08:44	06/07/24 09:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.03		0.435	0.445	1.00	0.560	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	80.4		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.07		0.448	0.458	5.00	0.560	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-013

Lab Sample ID: 160-54048-13

Date Collected: 05/06/24 14:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.178	U	0.187	0.187	1.00	0.295	pCi/L	05/14/24 08:44	06/07/24 09:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.5		30 - 110					05/14/24 08:44	06/07/24 09:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.541	U G	0.632	0.634	1.00	1.04	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.5		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	82.2		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.719	U	0.659	0.661	5.00	1.04	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-014

Lab Sample ID: 160-54048-14

Date Collected: 04/30/24 13:19

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.156	U	0.122	0.123	1.00	0.178	pCi/L	05/14/24 08:44	06/07/24 09:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					05/14/24 08:44	06/07/24 09:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0450	U	0.339	0.339	1.00	0.621	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	81.5		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.201	U	0.360	0.361	5.00	0.621	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-015

Lab Sample ID: 160-54048-15

Date Collected: 05/02/24 12:39

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.106	U	0.114	0.114	1.00	0.182	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.229	U	0.378	0.379	1.00	0.645	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	82.6		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.336	U	0.395	0.396	5.00	0.645	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-016

Lab Sample ID: 160-54048-16

Date Collected: 05/02/24 11:47

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0552	U	0.0941	0.0943	1.00	0.165	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.255	U	0.315	0.316	1.00	0.522	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.7		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.311	U	0.329	0.330	5.00	0.522	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-017

Lab Sample ID: 160-54048-17

Date Collected: 05/08/24 09:40

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00242	U	0.0984	0.0984	1.00	0.197	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.158	U	0.343	0.344	1.00	0.600	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.0		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.160	U	0.357	0.358	5.00	0.600	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-018

Lab Sample ID: 160-54048-18

Date Collected: 05/01/24 13:37

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0931	U	0.106	0.106	1.00	0.171	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.279	U	0.318	0.319	1.00	0.522	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.7		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.372	U	0.335	0.336	5.00	0.522	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-019

Lab Sample ID: 160-54048-19

Date Collected: 05/01/24 12:30

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.152	U	0.115	0.116	1.00	0.165	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.775		0.393	0.399	1.00	0.545	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.0		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.927		0.409	0.416	5.00	0.545	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-020

Lab Sample ID: 160-54048-20

Date Collected: 05/02/24 10:33

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0947	U	0.0882	0.0887	1.00	0.131	pCi/L	05/14/24 08:44	06/07/24 12:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/14/24 08:44	06/07/24 12:54	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.128	U	0.353	0.353	1.00	0.622	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.7		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.223	U	0.364	0.364	5.00	0.622	pCi/L		06/10/24 16:14	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661572/1-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661572

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1367		0.0927	0.0935	1.00	0.118	pCi/L	05/14/24 08:44	06/07/24 09:11	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					05/14/24 08:44	06/07/24 09:11	1

Lab Sample ID: LCS 160-661572/2-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661572

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.879		1.11	1.00	0.140	pCi/L	87	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	95.0		30 - 110							

Lab Sample ID: 160-54048-2 DU
Matrix: Water
Analysis Batch: 665180

Client Sample ID: 24041542-002
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.228		0.09253	U	0.0983	1.00	0.154	pCi/L	0.61	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	82.6		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661573/1-A
Matrix: Water
Analysis Batch: 664626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661573

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.06289	U	0.263	0.263	1.00	0.476	pCi/L	05/14/24 08:50	06/04/24 11:42	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					05/14/24 08:50	06/04/24 11:42	1
Y Carrier	87.9		30 - 110					05/14/24 08:50	06/04/24 11:42	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661573/2-A
Matrix: Water
Analysis Batch: 664626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661573

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.88	8.355		1.14	1.00	0.393	pCi/L	94	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	95.0		30 - 110									
Y Carrier	87.5		30 - 110									

Lab Sample ID: 160-54048-2 DU
Matrix: Water
Analysis Batch: 664626

Client Sample ID: 24041542-002
Prep Type: Total/NA
Prep Batch: 661573

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit		RER	RER Limit
Radium-228	0.243	U		0.1909	U	0.307	1.00	0.523	pCi/L		0.09	1
	DU	DU										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	82.6		30 - 110									
Y Carrier	88.6		30 - 110									

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEE POWER PLANT, ASH POND NO. 2

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-1
SDG: 24041542

Rad

Prep Batch: 661572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-1	24041542-001	Total/NA	Water	PrecSep-21	
160-54048-2	24041542-002	Total/NA	Water	PrecSep-21	
160-54048-3	24041542-003	Total/NA	Water	PrecSep-21	
160-54048-4	24041542-004	Total/NA	Water	PrecSep-21	
160-54048-5	24041542-005	Total/NA	Water	PrecSep-21	
160-54048-6	24041542-006	Total/NA	Water	PrecSep-21	
160-54048-7	24041542-007	Total/NA	Water	PrecSep-21	
160-54048-8	24041542-008	Total/NA	Water	PrecSep-21	
160-54048-9	24041542-009	Total/NA	Water	PrecSep-21	
160-54048-10	24041542-010	Total/NA	Water	PrecSep-21	
160-54048-11	24041542-011	Total/NA	Water	PrecSep-21	
160-54048-12	24041542-012	Total/NA	Water	PrecSep-21	
160-54048-13	24041542-013	Total/NA	Water	PrecSep-21	
160-54048-14	24041542-014	Total/NA	Water	PrecSep-21	
160-54048-15	24041542-015	Total/NA	Water	PrecSep-21	
160-54048-16	24041542-016	Total/NA	Water	PrecSep-21	
160-54048-17	24041542-017	Total/NA	Water	PrecSep-21	
160-54048-18	24041542-018	Total/NA	Water	PrecSep-21	
160-54048-19	24041542-019	Total/NA	Water	PrecSep-21	
160-54048-20	24041542-020	Total/NA	Water	PrecSep-21	
MB 160-661572/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661572/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-2 DU	24041542-002	Total/NA	Water	PrecSep-21	

Prep Batch: 661573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-1	24041542-001	Total/NA	Water	PrecSep_0	
160-54048-2	24041542-002	Total/NA	Water	PrecSep_0	
160-54048-3	24041542-003	Total/NA	Water	PrecSep_0	
160-54048-4	24041542-004	Total/NA	Water	PrecSep_0	
160-54048-5	24041542-005	Total/NA	Water	PrecSep_0	
160-54048-6	24041542-006	Total/NA	Water	PrecSep_0	
160-54048-7	24041542-007	Total/NA	Water	PrecSep_0	
160-54048-8	24041542-008	Total/NA	Water	PrecSep_0	
160-54048-9	24041542-009	Total/NA	Water	PrecSep_0	
160-54048-10	24041542-010	Total/NA	Water	PrecSep_0	
160-54048-11	24041542-011	Total/NA	Water	PrecSep_0	
160-54048-12	24041542-012	Total/NA	Water	PrecSep_0	
160-54048-13	24041542-013	Total/NA	Water	PrecSep_0	
160-54048-14	24041542-014	Total/NA	Water	PrecSep_0	
160-54048-15	24041542-015	Total/NA	Water	PrecSep_0	
160-54048-16	24041542-016	Total/NA	Water	PrecSep_0	
160-54048-17	24041542-017	Total/NA	Water	PrecSep_0	
160-54048-18	24041542-018	Total/NA	Water	PrecSep_0	
160-54048-19	24041542-019	Total/NA	Water	PrecSep_0	
160-54048-20	24041542-020	Total/NA	Water	PrecSep_0	
MB 160-661573/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661573/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-2 DU	24041542-002	Total/NA	Water	PrecSep_0	

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)							
		Ba							
Lab Sample ID	Client Sample ID	(30-110)							
160-54048-1	24041542-001	91.3							
160-54048-2	24041542-002	91.0							
160-54048-2 DU	24041542-002	82.6							
160-54048-3	24041542-003	87.8							
160-54048-4	24041542-004	75.4							
160-54048-5	24041542-005	89.8							
160-54048-6	24041542-006	76.9							
160-54048-7	24041542-007	91.8							
160-54048-8	24041542-008	92.3							
160-54048-9	24041542-009	89.8							
160-54048-10	24041542-010	89.1							
160-54048-11	24041542-011	90.0							
160-54048-12	24041542-012	84.6							
160-54048-13	24041542-013	58.5							
160-54048-14	24041542-014	83.3							
160-54048-15	24041542-015	82.6							
160-54048-16	24041542-016	90.5							
160-54048-17	24041542-017	83.8							
160-54048-18	24041542-018	90.3							
160-54048-19	24041542-019	89.6							
160-54048-20	24041542-020	89.3							
LCS 160-661572/2-A	Lab Control Sample	95.0							
MB 160-661572/1-A	Method Blank	96.8							
Tracer/Carrier Legend									
Ba = Ba Carrier									

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-54048-1	24041542-001	91.3	83.4				
160-54048-2	24041542-002	91.0	86.0				
160-54048-2 DU	24041542-002	82.6	88.6				
160-54048-3	24041542-003	87.8	81.9				
160-54048-4	24041542-004	75.4	82.6				
160-54048-5	24041542-005	89.8	87.5				
160-54048-6	24041542-006	76.9	83.7				
160-54048-7	24041542-007	91.8	84.9				
160-54048-8	24041542-008	92.3	84.5				
160-54048-9	24041542-009	89.8	81.1				
160-54048-10	24041542-010	89.1	85.6				
160-54048-11	24041542-011	90.0	86.0				
160-54048-12	24041542-012	84.6	80.4				
160-54048-13	24041542-013	58.5	82.2				
160-54048-14	24041542-014	83.3	81.5				
160-54048-15	24041542-015	82.6	82.6				
160-54048-16	24041542-016	90.5	83.7				

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-1
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-54048-17	24041542-017	83.8	83.0
160-54048-18	24041542-018	90.3	83.7
160-54048-19	24041542-019	89.6	83.0
160-54048-20	24041542-020	89.3	83.7
LCS 160-661573/2-A	Lab Control Sample	95.0	87.5
MB 160-661573/1-A	Method Blank	96.8	87.9

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/11/2024 10:24:14 AM

JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-2

Job Notes

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-2

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CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt

The samples were received on 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 2 of 3.

Method 903.0 - Radium-226 (GFPC)

Samples 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/14/2024 and analyzed

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-2 (Continued)

Eurofins St. Louis

on 6/10/2024.

The following sample(s) were prepared at a reduced aliquot due to matrix. The samples were yellow. 24041542-021 (160-54048-21), 24041542-026 (160-54048-26), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35)

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

Method 904.0 - Radium-228 (GFPC)

Samples 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/5/2024.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24041542-026 (160-54048-26) and 24041542-034 (160-54048-34) . Analytical results are reported with the detection limit achieved.

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

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/10/2024.

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

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: QC Level: 2

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standad TAT

Billing/PO:

36143

Phone:

618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

EDH 5/19/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-001	5/8/24 0952	HNO3	Groundwater
	24041542-002	5/7/24 1016	HNO3	Groundwater
	24041542-003	4/30/24 1011	HNO3	Groundwater
	24041542-004	5/7/24 1115 *	HNO3	Groundwater
	24041542-005	4/30/24 1238	HNO3	Groundwater
	24041542-006	4/30/24 1201	HNO3	Groundwater
	24041542-007	4/30/24 1121	HNO3	Groundwater
	24041542-008	5/7/24 1253	HNO3	Groundwater
	24041542-009	4/30/24 1020 *	HNO3	Groundwater
	24041542-010	4/30/24 1058 *	HNO3	Groundwater
	24041542-011	5/1/24 1155	HNO3	Groundwater

Ra226/228 Radium 226 Radium 228



160-54048 Chain of Custody

*Relinquished By

Signature: [Handwritten Signature]

Date/Time

5/10/24 1400

Received By

Signature: [Handwritten Signature]

Date/Time

Signature: [Handwritten Signature]

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCapRevA
3-2-2016

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

PLEASE NOTE:

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	5/10/24 14:00	<i>[Signature]</i>	5/10/24 14:00
<i>[Signature]</i>	5/10/24 15:00	M. P. Matte	MAY 10 2024 ISO

Relinquished By	Date/Time	Received By	Date/Time
Wanda Osawa	5/10/24 14:00	[Signature]	5/10/24 14:00
	5/10/24 15:00	M. P. M. H. H.	MAY 10 2024 15:00

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: Teklab Sampling TeamQC Level: 2

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standard TAT

Billing/PO:

36143

Phone: 618 344-1004 ext. 33

Comments:

Please issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Ra226/228 Radium 226 Radium 228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-034	5/1/24 1347	HNO3	Groundwater
	24041542-035	5/2/24 1432	HNO3	Groundwater
	24041542-036	5/2/24 1135	HNO3	Groundwater
	24041542-037	5/2/24 1253	HNO3	Groundwater
	24041542-038	5/3/24 0955	HNO3	Groundwater
	24041542-039	5/6/24 1329	HNO3	Groundwater
	24041542-040	5/1/24 1213	HNO3	Groundwater
	24041542-041	4/30/24 4326 143 * 143	HNO3	Groundwater
	24041542-042	4/30/24 1225 1307 *	HNO3	Groundwater
	24041542-043	5/2/24 1031	HNO3	Groundwater
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater

*Relinquished By

Elizabeth Hurley

Date/Time

5/1/24 1400

Received By

M. P. P. P. P.

Date/Time

5/1/24 1400

MAY 10 2024 1500

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:	
Sampler:	Teklab Sampling Team

QC Level: 2

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per standard GW methods (Vistra project).
	Changes to methods must be approved by Teklab, Inc.
	Batch QC is required for all analyses requested. Excel EDD requested. IL site

Project# 24041542

Requested Due Date:	Standard TAT	Billing/PO:	36143
Contact:	Elizabeth Hurley	Email:	ehurley@teklabinc.com

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-045	5/2/24 1408	HNO3	Groundwater
	24041542-046	5/6/24 1200	HNO3	Groundwater
	24041542-047	5/6/24 1028	HNO3	Groundwater
	24041542-048	5/6/24 1244	HNO3	Groundwater
	24041542-049	5/6/24 1313	HNO3	Groundwater
	24041542-050	5/6/24 1105	HNO3	Groundwater
	24041542-051	4/29/24 1452	HNO3	Groundwater
	24041542-052	4/30/24 1008 TE SMA	HNO3	Groundwater
	24041542-053	4/29/24 1311	HNO3	Groundwater
	24041542-054	5/7/24 1243	HNO3	Groundwater
	24041542-055	5/6/24 1428 TE SMA	HNO3	Aqueous

Relinquished By	Date/Time	Received By	Date/Time
Robert C. Sells	5/10/24 1400	[Signature]	5/10/24 1400
	5/10/24 1500	m. P. Meller	MAY 10 2024 1500

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler:

QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-001	5/8/24 ~~4348~~ 0952	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-002	5/7/24 1016	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-003	4/30/24 1011	HNO3	Groundwater	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-004	5/7/24 ~~4020~~ 1115 TP * 5/16/24	HNO3	Groundwater	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-005	4/30/24 1238	HNO3	Groundwater	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-006	4/30/24 1201	HNO3	Groundwater	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-007	4/30/24 1121	HNO3	Groundwater	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-008	5/7/24 1253	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-009	4/30/24 ~~4020~~ 1058 *	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-010	4/30/24 ~~1058~~ 1028 *	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-011	5/1/24 1155	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
<i>SMO Delalle</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-012	5/1/24 0952	HNO3	Groundwater	✓														
	24041542-013	5/6/24 1429	HNO3	Groundwater	✓														
	24041542-014	4/30/24 1319	HNO3	Groundwater	✓														
	24041542-015	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-016	5/2/24 1147	HNO3	Groundwater	✓														
	24041542-017	5/8/24 0940	HNO3	Groundwater	✓														
	24041542-018	5/1/24 1337	HNO3	Groundwater	✓														
	24041542-019	5/1/24 1231	HNO3	Groundwater	✓														
	24041542-020	5/2/24 1033	HNO3	Groundwater	✓														
	24041542-021	5/2/24 0958	HNO3	Groundwater	✓														
	24041542-022	5/7/24 1145	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Uma S. Wells</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-023	5/7/24 0940	HNO3	Groundwater	✓														
	24041542-024	5/3/24 0940	HNO3	Groundwater	✓														
	24041542-025	5/6/24 1407	HNO3	Groundwater	✓														
	24041542-026	5/3/24 1027	HNO3	Groundwater	✓														
	24041542-027	5/6/24 1100	HNO3	Groundwater	✓														
	24041542-028	5/6/24 1136	HNO3	Groundwater	✓														
	24041542-029	5/6/24 1222	HNO3	Groundwater	✓														
	24041542-030	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-031	5/6/24 1154	HNO3	Groundwater	✓														
	24041542-032	5/1/24 1049	HNO3	Groundwater	✓														
	24041542-033	5/1/24 1441	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emily Delano</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler:

QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-034	5/1/24 1347	HNO3	Groundwater	✓														
	24041542-035	5/2/24 1432	HNO3	Groundwater	✓														
	24041542-036	5/2/24 1135	HNO3	Groundwater	✓														
	24041542-037	5/2/24 1253	HNO3	Groundwater	✓														
	24041542-038	5/3/24 0955	HNO3	Groundwater	✓														
	24041542-039	5/6/24 1329	HNO3	Groundwater	✓														
	24041542-040	5/1/24 1213	HNO3	Groundwater	✓														
	24041542-041	4/30/24 1336 1413 ¹⁵ * _{5/1/24}	HNO3	Groundwater	✓														
	24041542-042	4/30/24 1225 1307 * _{5/1/24}	HNO3	Groundwater	✓														
	24041542-043	5/2/24 1031	HNO3	Groundwater	✓														
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Imogen Delall</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24041542-045	5/2/24 1406	HNO3	Groundwater	✓												
	24041542-046	5/6/24 1200	HNO3	Groundwater	✓												
	24041542-047	5/6/24 1028	HNO3	Groundwater	✓												
	24041542-048	5/6/24 1244	HNO3	Groundwater	✓												
	24041542-049	5/6/24 1313	HNO3	Groundwater	✓												
	24041542-050	5/6/24 1105	HNO3	Groundwater	✓												
	24041542-051	4/29/24 1452	HNO3	Groundwater	✓												
	24041542-052	4/30/24 1030 TE AM * SHIM	HNO3	Groundwater	✓												
	24041542-053	4/29/24 1311	HNO3	Groundwater	✓												
	24041542-054	5/7/24 1243	HNO3	Groundwater	✓												
	24041542-055	5/8/24 1122 *	HNO3	Aqueous	✓	✓	✓										

*Relinquished By	Date/Time	Received By	Date/Time
Ona Odele			

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights.

Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project# 24041542

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-056	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-057	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-058	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-059	5/7/24 1243	HNO3	Groundwater	✓														
	24041542-060	5/8/24 1424 1135 ¹⁰ _{5/9/24} *	HNO3	Aqueous	✓	✓	✓												
	24041542-063	5/7/24 1110	HNO3	* Aqueous GW	✓	✓	✓												
	24041542-064	5/7/24 1208	HNO3	* Aqueous GW	✓	✓	✓												
			HNO3	Groundwater	✓														
			HNO3	Groundwater	✓														
			HNO3	Groundwater															
			HNO3	Groundwater															

*Relinquished By	Date/Time	Received By	Date/Time
<i>Elizabeth Hurley</i>			

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-2

SDG Number: 24041542

Login Number: 54048

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

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

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
COP-845-162
SDG: 24041542

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-21	24041542-021	Water	05/02/24 09:58	05/10/24 15:00
160-54048-22	24041542-022	Water	05/07/24 11:45	05/10/24 15:00
160-54048-23	24041542-023	Water	05/07/24 09:40	05/10/24 15:00
160-54048-24	24041542-024	Water	05/03/24 09:40	05/10/24 15:00
160-54048-25	24041542-025	Water	05/06/24 14:07	05/10/24 15:00
160-54048-26	24041542-026	Water	05/03/24 10:27	05/10/24 15:00
160-54048-27	24041542-027	Water	05/06/24 10:59	05/10/24 15:00
160-54048-28	24041542-028	Water	05/06/24 11:36	05/10/24 15:00
160-54048-29	24041542-029	Water	05/06/24 12:22	05/10/24 15:00
160-54048-30	24041542-030	Water	05/06/24 10:28	05/10/24 15:00
160-54048-31	24041542-031	Water	05/06/24 11:54	05/10/24 15:00
160-54048-32	24041542-032	Water	05/01/24 10:49	05/10/24 15:00
160-54048-33	24041542-033	Water	05/01/24 14:41	05/10/24 15:00
160-54048-34	24041542-034	Water	05/01/24 13:47	05/10/24 15:00
160-54048-35	24041542-035	Water	05/02/24 14:32	05/10/24 15:00
160-54048-36	24041542-036	Water	05/02/24 11:35	05/10/24 15:00
160-54048-37	24041542-037	Water	05/02/24 12:53	05/10/24 15:00
160-54048-38	24041542-038	Water	05/03/24 09:55	05/10/24 15:00
160-54048-39	24041542-039	Water	05/06/24 13:29	05/10/24 15:00
160-54048-40	24041542-040	Water	05/01/24 12:13	05/10/24 15:00

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-021

Lab Sample ID: 160-54048-21

Date Collected: 05/02/24 09:58

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.347		0.185	0.188	1.00	0.237	pCi/L	05/14/24 08:55	06/10/24 10:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		30 - 110					05/14/24 08:55	06/10/24 10:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.02		0.625	0.632	1.00	0.907	pCi/L	05/14/24 08:58	06/05/24 16:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		30 - 110					05/14/24 08:58	06/05/24 16:23	1
Y Carrier	83.0		30 - 110					05/14/24 08:58	06/05/24 16:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.37		0.652	0.659	5.00	0.907	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-022

Lab Sample ID: 160-54048-22

Date Collected: 05/07/24 11:45

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0345	U	0.0739	0.0740	1.00	0.136	pCi/L	05/14/24 08:55	06/10/24 10:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					05/14/24 08:55	06/10/24 10:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.750		0.478	0.483	1.00	0.700	pCi/L	05/14/24 08:58	06/05/24 16:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					05/14/24 08:58	06/05/24 16:23	1
Y Carrier	74.8		30 - 110					05/14/24 08:58	06/05/24 16:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.785		0.484	0.489	5.00	0.700	pCi/L		06/10/24 16:14	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-023

Lab Sample ID: 160-54048-23

Date Collected: 05/07/24 09:40

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0358	U	0.0822	0.0823	1.00	0.150	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.330	U	0.275	0.277	1.00	0.625	pCi/L	05/14/24 08:58	06/05/24 16:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					05/14/24 08:58	06/05/24 16:23	1
Y Carrier	81.1		30 - 110					05/14/24 08:58	06/05/24 16:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0358	U	0.287	0.289	5.00	0.625	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-024

Lab Sample ID: 160-54048-24

Date Collected: 05/03/24 09:40

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.141	U	0.102	0.103	1.00	0.144	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.367	U	0.415	0.417	1.00	0.681	pCi/L	05/14/24 08:58	06/05/24 16:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					05/14/24 08:58	06/05/24 16:23	1
Y Carrier	78.1		30 - 110					05/14/24 08:58	06/05/24 16:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.508	U	0.427	0.430	5.00	0.681	pCi/L		06/10/24 17:34	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-025

Lab Sample ID: 160-54048-25

Date Collected: 05/06/24 14:07

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.110	U	0.109	0.109	1.00	0.170	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.619	U	0.467	0.470	1.00	0.710	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	80.4		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.729		0.480	0.482	5.00	0.710	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-026

Lab Sample ID: 160-54048-26

Date Collected: 05/03/24 10:27

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.151	U	0.165	0.166	1.00	0.266	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	67.7		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.107	U G	0.569	0.570	1.00	1.12	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	67.7		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	66.5		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.151	U	0.592	0.594	5.00	1.12	pCi/L		06/10/24 17:34	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-027

Lab Sample ID: 160-54048-27

Date Collected: 05/06/24 10:59

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.317		0.155	0.158	1.00	0.181	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	61.2		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.17		0.618	0.627	1.00	0.874	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	61.2		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	80.7		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.49		0.637	0.647	5.00	0.874	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-028

Lab Sample ID: 160-54048-28

Date Collected: 05/06/24 11:36

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.102	U	0.0898	0.0902	1.00	0.132	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.1		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.372	U	0.416	0.417	1.00	0.680	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.1		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	79.6		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.474	U	0.426	0.427	5.00	0.680	pCi/L		06/10/24 17:34	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-029

Lab Sample ID: 160-54048-29

Date Collected: 05/06/24 12:22

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.297		0.121	0.124	1.00	0.121	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.928		0.423	0.432	1.00	0.566	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	84.5		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.22		0.440	0.449	5.00	0.566	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-030

Lab Sample ID: 160-54048-30

Date Collected: 05/06/24 10:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0973	U	0.103	0.104	1.00	0.165	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0407	U	0.303	0.303	1.00	0.586	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	83.7		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0973	U	0.320	0.320	5.00	0.586	pCi/L		06/10/24 17:34	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-031

Lab Sample ID: 160-54048-31

Date Collected: 05/06/24 11:54

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.156		0.103	0.104	1.00	0.139	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.535	U	0.414	0.417	1.00	0.634	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	81.5		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.691		0.427	0.430	5.00	0.634	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-032

Lab Sample ID: 160-54048-32

Date Collected: 05/01/24 10:49

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0391	U	0.0854	0.0855	1.00	0.155	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.443	U	0.413	0.415	1.00	0.660	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	83.0		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.482	U	0.422	0.424	5.00	0.660	pCi/L		06/10/24 17:34	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-033

Lab Sample ID: 160-54048-33

Date Collected: 05/01/24 14:41

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0516	U	0.0671	0.0673	1.00	0.112	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.560	U	0.454	0.457	1.00	0.716	pCi/L	05/14/24 08:58	06/05/24 16:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					05/14/24 08:58	06/05/24 16:25	1
Y Carrier	80.7		30 - 110					05/14/24 08:58	06/05/24 16:25	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.612	U	0.459	0.462	5.00	0.716	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-034

Lab Sample ID: 160-54048-34

Date Collected: 05/01/24 13:47

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0856	U	0.165	0.165	1.00	0.292	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	57.7		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.534	U G	0.611	0.613	1.00	1.27	pCi/L	05/14/24 08:58	06/05/24 16:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	57.7		30 - 110					05/14/24 08:58	06/05/24 16:18	1
Y Carrier	83.4		30 - 110					05/14/24 08:58	06/05/24 16:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0856	U	0.633	0.635	5.00	1.27	pCi/L		06/10/24 17:34	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-035

Lab Sample ID: 160-54048-35

Date Collected: 05/02/24 14:32

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.262	U	0.196	0.198	1.00	0.293	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.6		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.10		0.631	0.639	1.00	0.901	pCi/L	05/14/24 08:58	06/05/24 16:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.6		30 - 110					05/14/24 08:58	06/05/24 16:18	1
Y Carrier	81.1		30 - 110					05/14/24 08:58	06/05/24 16:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.36		0.661	0.669	5.00	0.901	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-036

Lab Sample ID: 160-54048-36

Date Collected: 05/02/24 11:35

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.170	U	0.120	0.121	1.00	0.173	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.204	U	0.353	0.353	1.00	0.604	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	78.9		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.374	U	0.373	0.373	5.00	0.604	pCi/L		06/10/24 17:34	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-037

Lab Sample ID: 160-54048-37

Date Collected: 05/02/24 12:53

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139	U	0.105	0.105	1.00	0.153	pCi/L	05/14/24 08:55	06/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					05/14/24 08:55	06/10/24 10:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.580		0.387	0.391	1.00	0.576	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	85.2		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.718		0.401	0.405	5.00	0.576	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-038

Lab Sample ID: 160-54048-38

Date Collected: 05/03/24 09:55

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0204	U	0.0708	0.0709	1.00	0.153	pCi/L	05/14/24 08:55	06/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/14/24 08:55	06/10/24 10:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.470	U	0.377	0.380	1.00	0.583	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	76.3		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.470	U	0.384	0.387	5.00	0.583	pCi/L		06/10/24 17:34	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-039

Lab Sample ID: 160-54048-39

Date Collected: 05/06/24 13:29

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.103	U	0.0897	0.0901	1.00	0.136	pCi/L	05/14/24 08:55	06/10/24 10:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/14/24 08:55	06/10/24 10:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.240	U	0.316	0.316	1.00	0.527	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	84.9		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.343	U	0.328	0.329	5.00	0.527	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-040

Lab Sample ID: 160-54048-40

Date Collected: 05/01/24 12:13

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0482	U	0.0860	0.0861	1.00	0.151	pCi/L	05/14/24 08:55	06/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					05/14/24 08:55	06/10/24 10:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0442	U	0.327	0.327	1.00	0.596	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	81.5		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0924	U	0.338	0.338	5.00	0.596	pCi/L		06/10/24 17:34	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661574/1-A
Matrix: Water
Analysis Batch: 665297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661574

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02627	U	0.0511	0.0512	1.00	0.0945	pCi/L	05/14/24 08:55	06/10/24 10:14	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					05/14/24 08:55	06/10/24 10:14	1

Lab Sample ID: LCS 160-661574/2-A
Matrix: Water
Analysis Batch: 665297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661574

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	8.937		0.989	1.00	0.101	pCi/L	79	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	91.3		30 - 110							

Lab Sample ID: 160-54048-24 DU
Matrix: Water
Analysis Batch: 665614

Client Sample ID: 24041542-024
Prep Type: Total/NA
Prep Batch: 661574

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.141	U	0.2518		0.128	1.00	0.155	pCi/L	0.48	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	86.1		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661575/1-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661575

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4035	U	0.358	0.360	1.00	0.567	pCi/L	05/14/24 08:58	06/05/24 16:22	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					05/14/24 08:58	06/05/24 16:22	1
Y Carrier	85.2		30 - 110					05/14/24 08:58	06/05/24 16:22	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661575/2-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661575

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.88	9.382		1.31	1.00	0.584	pCi/L	106	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	91.3		30 - 110									
Y Carrier	80.7		30 - 110									

Lab Sample ID: 160-54048-24 DU
Matrix: Water
Analysis Batch: 664836

Client Sample ID: 24041542-024
Prep Type: Total/NA
Prep Batch: 661575

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit		RER	RER Limit
Radium-228	0.367	U		0.4117	U	0.381	1.00	0.600	pCi/L		0.06	1
	DU	DU										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	86.1		30 - 110									
Y Carrier	74.4		30 - 110									

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEE POWER PLANT, ASH POND NO. 2

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-2
SDG: 24041542

Rad

Prep Batch: 661574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-21	24041542-021	Total/NA	Water	PrecSep-21	
160-54048-22	24041542-022	Total/NA	Water	PrecSep-21	
160-54048-23	24041542-023	Total/NA	Water	PrecSep-21	
160-54048-24	24041542-024	Total/NA	Water	PrecSep-21	
160-54048-25	24041542-025	Total/NA	Water	PrecSep-21	
160-54048-26	24041542-026	Total/NA	Water	PrecSep-21	
160-54048-27	24041542-027	Total/NA	Water	PrecSep-21	
160-54048-28	24041542-028	Total/NA	Water	PrecSep-21	
160-54048-29	24041542-029	Total/NA	Water	PrecSep-21	
160-54048-30	24041542-030	Total/NA	Water	PrecSep-21	
160-54048-31	24041542-031	Total/NA	Water	PrecSep-21	
160-54048-32	24041542-032	Total/NA	Water	PrecSep-21	
160-54048-33	24041542-033	Total/NA	Water	PrecSep-21	
160-54048-34	24041542-034	Total/NA	Water	PrecSep-21	
160-54048-35	24041542-035	Total/NA	Water	PrecSep-21	
160-54048-36	24041542-036	Total/NA	Water	PrecSep-21	
160-54048-37	24041542-037	Total/NA	Water	PrecSep-21	
160-54048-38	24041542-038	Total/NA	Water	PrecSep-21	
160-54048-39	24041542-039	Total/NA	Water	PrecSep-21	
160-54048-40	24041542-040	Total/NA	Water	PrecSep-21	
MB 160-661574/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661574/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-24 DU	24041542-024	Total/NA	Water	PrecSep-21	

Prep Batch: 661575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-21	24041542-021	Total/NA	Water	PrecSep_0	
160-54048-22	24041542-022	Total/NA	Water	PrecSep_0	
160-54048-23	24041542-023	Total/NA	Water	PrecSep_0	
160-54048-24	24041542-024	Total/NA	Water	PrecSep_0	
160-54048-25	24041542-025	Total/NA	Water	PrecSep_0	
160-54048-26	24041542-026	Total/NA	Water	PrecSep_0	
160-54048-27	24041542-027	Total/NA	Water	PrecSep_0	
160-54048-28	24041542-028	Total/NA	Water	PrecSep_0	
160-54048-29	24041542-029	Total/NA	Water	PrecSep_0	
160-54048-30	24041542-030	Total/NA	Water	PrecSep_0	
160-54048-31	24041542-031	Total/NA	Water	PrecSep_0	
160-54048-32	24041542-032	Total/NA	Water	PrecSep_0	
160-54048-33	24041542-033	Total/NA	Water	PrecSep_0	
160-54048-34	24041542-034	Total/NA	Water	PrecSep_0	
160-54048-35	24041542-035	Total/NA	Water	PrecSep_0	
160-54048-36	24041542-036	Total/NA	Water	PrecSep_0	
160-54048-37	24041542-037	Total/NA	Water	PrecSep_0	
160-54048-38	24041542-038	Total/NA	Water	PrecSep_0	
160-54048-39	24041542-039	Total/NA	Water	PrecSep_0	
160-54048-40	24041542-040	Total/NA	Water	PrecSep_0	
MB 160-661575/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661575/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-24 DU	24041542-024	Total/NA	Water	PrecSep_0	

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)						
		Ba						
Lab Sample ID	Client Sample ID	(30-110)						
160-54048-21	24041542-021	73.4						
160-54048-22	24041542-022	76.4						
160-54048-23	24041542-023	82.3						
160-54048-24	24041542-024	81.1						
160-54048-24 DU	24041542-024	86.1						
160-54048-25	24041542-025	69.7						
160-54048-26	24041542-026	67.7						
160-54048-27	24041542-027	61.2						
160-54048-28	24041542-028	79.1						
160-54048-29	24041542-029	86.3						
160-54048-30	24041542-030	85.1						
160-54048-31	24041542-031	79.6						
160-54048-32	24041542-032	88.8						
160-54048-33	24041542-033	94.5						
160-54048-34	24041542-034	57.7						
160-54048-35	24041542-035	71.6						
160-54048-36	24041542-036	90.3						
160-54048-37	24041542-037	83.8						
160-54048-38	24041542-038	89.3						
160-54048-39	24041542-039	91.5						
160-54048-40	24041542-040	91.3						
LCS 160-661574/2-A	Lab Control Sample	91.3						
MB 160-661574/1-A	Method Blank	92.5						
Tracer/Carrier Legend								
Ba = Ba Carrier								

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-54048-21	24041542-021	73.4	83.0				
160-54048-22	24041542-022	76.4	74.8				
160-54048-23	24041542-023	82.3	81.1				
160-54048-24	24041542-024	81.1	78.1				
160-54048-24 DU	24041542-024	86.1	74.4				
160-54048-25	24041542-025	69.7	80.4				
160-54048-26	24041542-026	67.7	66.5				
160-54048-27	24041542-027	61.2	80.7				
160-54048-28	24041542-028	79.1	79.6				
160-54048-29	24041542-029	86.3	84.5				
160-54048-30	24041542-030	85.1	83.7				
160-54048-31	24041542-031	79.6	81.5				
160-54048-32	24041542-032	88.8	83.0				
160-54048-33	24041542-033	94.5	80.7				
160-54048-34	24041542-034	57.7	83.4				
160-54048-35	24041542-035	71.6	81.1				
160-54048-36	24041542-036	90.3	78.9				

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-2
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-54048-37	24041542-037	83.8	85.2
160-54048-38	24041542-038	89.3	76.3
160-54048-39	24041542-039	91.5	84.9
160-54048-40	24041542-040	91.3	81.5
LCS 160-661575/2-A	Lab Control Sample	91.3	80.7
MB 160-661575/1-A	Method Blank	92.5	85.2

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/13/2024 11:46:51 AM

JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-3

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

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Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-3

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt

The samples were received on 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 3 of 3.

Method 903.0 - Radium-226 (GFPC)

Samples 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Radium-226 (GFPC). The

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-3 (Continued)

Eurofins St. Louis

samples were prepared on 5/15/2024 and analyzed on 6/7/2024 and 6/11/2024.

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

Method 904.0 - Radium-228 (GFPC)

Samples 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/15/2024 and analyzed on 6/5/2024 and 6/6/2024.

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

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/13/2024.

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

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TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: Teklab Sampling TeamQC Level: 2

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabin.com

Requested Due Date:

Standad TAT

Billing/PO:

36143

Phone:

618 344-1004 ext. 33

Comments:

Please issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

EDH 5/19/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-001	5/8/24 0952	HNO3	Groundwater
	24041542-002	5/7/24 1016	HNO3	Groundwater
	24041542-003	4/30/24 1011	HNO3	Groundwater
	24041542-004	5/7/24 1115 *	HNO3	Groundwater
	24041542-005	4/30/24 1238	HNO3	Groundwater
	24041542-006	4/30/24 1201	HNO3	Groundwater
	24041542-007	4/30/24 1121	HNO3	Groundwater
	24041542-008	5/7/24 1253	HNO3	Groundwater
	24041542-009	4/30/24 1020 *	HNO3	Groundwater
	24041542-010	4/30/24 1050 *	HNO3	Groundwater
	24041542-011	5/1/24 1155	HNO3	Groundwater

Radium 228

Radium 226

Ra226/228



160-54048 Chain of Custody

*Relinquished By

Date/Time

5/10/24 1400

Received By

Date/Time

5/10/24 1400

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCapRevA
3-2-2016

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

PLEASE NOTE:

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-012	5/1/24 0952	HNO3	Groundwater
	24041542-013	5/6/24 1429	HNO3	Groundwater
	24041542-014	4/30/24 1319	HNO3	Groundwater
	24041542-015	5/2/24 1239	HNO3	Groundwater
	24041542-016	5/2/24 1147	HNO3	Groundwater
	24041542-017	5/8/24 0940	HNO3	Groundwater
	24041542-018	5/1/24 1337	HNO3	Groundwater
	24041542-019	5/1/24 1231	HNO3	Groundwater
	24041542-020	5/2/24 1033	HNO3	Groundwater
	24041542-021	5/2/24 0958	HNO3	Groundwater
	24041542-022	5/7/24 1145	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
John D. Sullivan	5/10/24 1400	M. P. Motta	5/10/24 1400
	5/10/24 1300		MAY 10 2024 ISO

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

PLEASE NOTE:

[illegible]

Relinquished By	Date/Time	Received By	Date/Time
Wanda Osales	5/10/24 1400	[Signature]	5/10/24 1400
	5/10/24 1500	M. Pineda	MAY 10 2024 1500

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: Teklab Sampling TeamQC Level: 2

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standard TAT

Billing/PO:

36143

Phone: 618 344-1004 ext. 33

Comments:

Please issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Ra226/228 Radium 226 Radium 228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-034	5/1/24 1347	HNO3	Groundwater
	24041542-035	5/2/24 1432	HNO3	Groundwater
	24041542-036	5/2/24 1135	HNO3	Groundwater
	24041542-037	5/2/24 1253	HNO3	Groundwater
	24041542-038	5/3/24 0955	HNO3	Groundwater
	24041542-039	5/6/24 1329	HNO3	Groundwater
	24041542-040	5/1/24 1213	HNO3	Groundwater
	24041542-041	4/30/24 4326 143 * 5/1/24 1432	HNO3	Groundwater
	24041542-042	4/30/24 1225 1301 *	HNO3	Groundwater
	24041542-043	5/2/24 1031	HNO3	Groundwater
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater

*Relinquished By

Elizabeth Hurley

Date/Time

5/1/24 1400

Received By

M. P. P. P. P.

Date/Time

5/1/24 1400

MAY 10 2024 1500

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team

Project#	24041542

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per standard GW methods (Vistra project).
	Changes to methods must be approved by Teklab, Inc.
	Batch QC is required for all analyses requested. Excel EDD requested. IL site

Requested Due Date:	Standard TAT	Billing/PO:	36143
Contact:	Elizabeth Hurley	Email:	ehurley@teklabinc.com

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-045	5/2/24 1408	HNO3	Groundwater
	24041542-046	5/6/24 1200	HNO3	Groundwater
	24041542-047	5/6/24 1028	HNO3	Groundwater
	24041542-048	5/6/24 1244	HNO3	Groundwater
	24041542-049	5/6/24 1313	HNO3	Groundwater
	24041542-050	5/6/24 1105	HNO3	Groundwater
	24041542-051	4/29/24 1452	HNO3	Groundwater
	24041542-052	4/30/24 1008 TE SMA	HNO3	Groundwater
	24041542-053	4/29/24 1311	HNO3	Groundwater
	24041542-054	5/7/24 1243	HNO3	Groundwater
	24041542-055	5/6/24 1428 TE SMA	HNO3	Aqueous

Relinquished By	Date/Time	Received By	Date/Time
Robert G. Wells	5/10/24 1400	[Signature]	5/10/24 1400
	5/10/24 1500	m. P. Meller	MAY 10 2024 1500

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:		Sampler:	Teklab Sampling Team

QC Level: 2

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per standard GW methods (Vistra project).
	Changes to methods must be approved by Teklab, Inc.
	Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Project#	24041542
Contact:	Elizabeth Hurley
Email:	ehurley@tehabinc.com
Requested Due Date:	Standard TAT
Billing/PO:	36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-056	5/7/24 1253	HNO3	Groundwater
	24041542-057	5/2/24 1239	HNO3	Groundwater
	24041542-058	5/6/24 1028	HNO3	Groundwater
	24041542-059	5/7/24 1243	HNO3	Groundwater
	24041542-060	5/8/24 1424 ¹³⁵ ₁₄₁₄	HNO3	Aqueous
	24041542-063	5/7/24 1110	HNO3 *	Aqueous GW
	24041542-064	5/7/24 1208	HNO3 *	Aqueous GW
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	5/16/24 1400	<i>[Signature]</i>	5/16/24 1400
	5/16/24 1500	Mr. Pineda	MAY 10 2024 1500

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SubCaseRe: 3/2/2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler:

QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

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ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-001	5/8/24 1348 0952	HNO3	Groundwater	✓														
	24041542-002	5/7/24 1016	HNO3	Groundwater	✓														
	24041542-003	4/30/24 1011	HNO3	Groundwater		✓	✓												
	24041542-004	5/7/24 1020 1115 TP * 5/16/24	HNO3	Groundwater		✓	✓												
	24041542-005	4/30/24 1238	HNO3	Groundwater		✓	✓												
	24041542-006	4/30/24 1201	HNO3	Groundwater	✓	✓	✓												
	24041542-007	4/30/24 1121	HNO3	Groundwater		✓	✓												
	24041542-008	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-009	4/30/24 1020 1058 *	HNO3	Groundwater	✓														
	24041542-010	4/30/24 1058 1028 *	HNO3	Groundwater	✓														
	24041542-011	5/1/24 1155	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
SMO Delalle			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-012	5/1/24 0952	HNO3	Groundwater	✓														
	24041542-013	5/6/24 1429	HNO3	Groundwater	✓														
	24041542-014	4/30/24 1319	HNO3	Groundwater	✓														
	24041542-015	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-016	5/2/24 1147	HNO3	Groundwater	✓														
	24041542-017	5/8/24 0940	HNO3	Groundwater	✓														
	24041542-018	5/1/24 1337	HNO3	Groundwater	✓														
	24041542-019	5/1/24 1231	HNO3	Groundwater	✓														
	24041542-020	5/2/24 1033	HNO3	Groundwater	✓														
	24041542-021	5/2/24 0958	HNO3	Groundwater	✓														
	24041542-022	5/7/24 1145	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Uma S. Wells</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-023	5/7/24 0940	HNO3	Groundwater	☒														
	24041542-024	5/3/24 0940	HNO3	Groundwater	☒														
	24041542-025	5/6/24 1407	HNO3	Groundwater	☒														
	24041542-026	5/3/24 1027	HNO3	Groundwater	☒														
	24041542-027	5/6/24 1100	HNO3	Groundwater	☒														
	24041542-028	5/6/24 1136	HNO3	Groundwater	☒														
	24041542-029	5/6/24 1222	HNO3	Groundwater	☒														
	24041542-030	5/6/24 1028	HNO3	Groundwater	☒														
	24041542-031	5/6/24 1154	HNO3	Groundwater	☒														
	24041542-032	5/1/24 1049	HNO3	Groundwater	☒														
	24041542-033	5/1/24 1441	HNO3	Groundwater	☒														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emilia Dela</i>			

TEKLAB, INC. Chain of Custody

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Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler:

QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-034	5/1/24 1347	HNO3	Groundwater	✓														
	24041542-035	5/2/24 1432	HNO3	Groundwater	✓														
	24041542-036	5/2/24 1135	HNO3	Groundwater	✓														
	24041542-037	5/2/24 1253	HNO3	Groundwater	✓														
	24041542-038	5/3/24 0955	HNO3	Groundwater	✓														
	24041542-039	5/6/24 1329	HNO3	Groundwater	✓														
	24041542-040	5/1/24 1213	HNO3	Groundwater	✓														
	24041542-041	4/30/24 1336 1413 ¹⁵ * _{SH}	HNO3	Groundwater	✓														
	24041542-042	4/30/24 1225 1307 *	HNO3	Groundwater	✓														
	24041542-043	5/2/24 1031	HNO3	Groundwater	✓														
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Imogen Delall</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standard TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24041542-045	5/2/24 1406	HNO3	Groundwater	✓												
	24041542-046	5/6/24 1200	HNO3	Groundwater	✓												
	24041542-047	5/6/24 1028	HNO3	Groundwater	✓												
	24041542-048	5/6/24 1244	HNO3	Groundwater	✓												
	24041542-049	5/6/24 1313	HNO3	Groundwater	✓												
	24041542-050	5/6/24 1105	HNO3	Groundwater	✓												
	24041542-051	4/29/24 1452	HNO3	Groundwater	✓												
	24041542-052	4/30/24 1030 ^{TE} ^{SH}	HNO3	Groundwater	✓												
	24041542-053	4/29/24 1311	HNO3	Groundwater	✓												
	24041542-054	5/7/24 1243	HNO3	Groundwater	✓												
	24041542-055	5/8/24 1122 *	HNO3	Aqueous	✓	✓	✓										

*Relinquished By	Date/Time	Received By	Date/Time
<i>Ona O'Leary</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level: 2

Project# 24041542

Comments: Please issue reports and invoices via email only
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standad TAT Billing/PO: 36143 Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-056	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-057	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-058	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-059	5/7/24 1243	HNO3	Groundwater	✓														
	24041542-060	5/8/24 1424 1135 ^{to GW} *	HNO3	Aqueous	✓	✓	✓												
	24041542-063	5/7/24 1110 5/9/24 *	HNO3	* Aqueous GW	✓	✓	✓												
	24041542-064	5/7/24 1208	HNO3	* Aqueous GW	✓	✓	✓												
			HNO3	Groundwater	✓														
			HNO3	Groundwater	✓														
			HNO3	Groundwater															
			HNO3	Groundwater															

*Relinquished By	Date/Time	Received By	Date/Time
<i>Erica Delalle</i>			

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-3

SDG Number: 24041542

Login Number: 54048

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

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

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
COP-845-162
SDG: 24041542

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-41	24041542-041	Water	04/30/24 14:13	05/10/24 15:00
160-54048-42	24041542-042	Water	04/30/24 13:07	05/10/24 15:00
160-54048-43	24041542-043	Water	05/02/24 10:31	05/10/24 15:00
160-54048-44	24041542-044	Water	04/30/24 11:56	05/10/24 15:00
160-54048-45	24041542-045	Water	05/02/24 14:06	05/10/24 15:00
160-54048-46	24041542-046	Water	05/06/24 12:00	05/10/24 15:00
160-54048-47	24041542-047	Water	05/06/24 10:28	05/10/24 15:00
160-54048-48	24041542-048	Water	05/06/24 12:44	05/10/24 15:00
160-54048-49	24041542-049	Water	05/06/24 13:13	05/10/24 15:00
160-54048-50	24041542-050	Water	05/06/24 11:05	05/10/24 15:00
160-54048-51	24041542-051	Water	04/29/24 14:52	05/10/24 15:00
160-54048-52	24041542-052	Water	04/30/24 10:36	05/10/24 15:00
160-54048-53	24041542-053	Water	04/29/24 13:11	05/10/24 15:00
160-54048-54	24041542-054	Water	05/07/24 12:43	05/10/24 15:00
160-54048-55	24041542-055	Water	05/08/24 11:21	05/10/24 15:00
160-54048-56	24041542-056	Water	05/07/24 12:53	05/10/24 15:00
160-54048-57	24041542-057	Water	05/02/24 12:39	05/10/24 15:00
160-54048-58	24041542-058	Water	05/06/24 10:28	05/10/24 15:00
160-54048-59	24041542-059	Water	05/07/24 12:43	05/10/24 15:00
160-54048-60	24041542-060	Water	05/08/24 11:35	05/10/24 15:00
160-54048-61	24041542-063	Water	05/07/24 11:10	05/10/24 15:00
160-54048-62	24041542-064	Water	05/07/24 12:08	05/10/24 15:00

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-041

Lab Sample ID: 160-54048-41

Date Collected: 04/30/24 14:13

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.209		0.103	0.105	1.00	0.115	pCi/L	05/15/24 09:08	06/11/24 07:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					05/15/24 09:08	06/11/24 07:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.454		0.288	0.291	1.00	0.411	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	81.5		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.664		0.306	0.309	5.00	0.411	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-042

Lab Sample ID: 160-54048-42

Date Collected: 04/30/24 13:07

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.352		0.125	0.129	1.00	0.114	pCi/L	05/15/24 09:08	06/11/24 07:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/15/24 09:08	06/11/24 07:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.533	U	0.377	0.380	1.00	0.574	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	78.9		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.884		0.397	0.401	5.00	0.574	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-043

Lab Sample ID: 160-54048-43

Date Collected: 05/02/24 10:31

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0295	U	0.0653	0.0654	1.00	0.121	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0629	U	0.264	0.264	1.00	0.482	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	83.0		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0924	U	0.272	0.272	5.00	0.482	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-044

Lab Sample ID: 160-54048-44

Date Collected: 04/30/24 11:56

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0416	U	0.0868	0.0869	1.00	0.156	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.02		0.392	0.403	1.00	0.487	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	82.6		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.06		0.401	0.412	5.00	0.487	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-045

Lab Sample ID: 160-54048-45

Date Collected: 05/02/24 14:06

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0407	U	0.0716	0.0717	1.00	0.127	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.276	U	0.315	0.317	1.00	0.517	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	80.7		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.317	U	0.323	0.325	5.00	0.517	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-046

Lab Sample ID: 160-54048-46

Date Collected: 05/06/24 12:00

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.165		0.0948	0.0960	1.00	0.115	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.255	U	0.306	0.307	1.00	0.505	pCi/L	05/15/24 09:12	06/06/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/15/24 09:12	06/06/24 11:42	1
Y Carrier	81.5		30 - 110					05/15/24 09:12	06/06/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.420	U	0.320	0.322	5.00	0.505	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-047

Lab Sample ID: 160-54048-47

Date Collected: 05/06/24 10:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.168		0.110	0.111	1.00	0.152	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.395	U	0.335	0.337	1.00	0.524	pCi/L	05/15/24 09:12	06/06/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:12	06/06/24 11:42	1
Y Carrier	82.2		30 - 110					05/15/24 09:12	06/06/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.562		0.353	0.355	5.00	0.524	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-048

Lab Sample ID: 160-54048-48

Date Collected: 05/06/24 12:44

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139	U	0.114	0.114	1.00	0.171	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.265	U	0.302	0.303	1.00	0.494	pCi/L	05/15/24 09:12	06/06/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/15/24 09:12	06/06/24 11:42	1
Y Carrier	78.9		30 - 110					05/15/24 09:12	06/06/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.405	U	0.323	0.324	5.00	0.494	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-049

Lab Sample ID: 160-54048-49

Date Collected: 05/06/24 13:13

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.101	U	0.0977	0.0982	1.00	0.153	pCi/L	05/15/24 09:08	06/11/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					05/15/24 09:08	06/11/24 07:45	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.303	U	0.361	0.362	1.00	0.595	pCi/L	05/15/24 09:12	06/06/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					05/15/24 09:12	06/06/24 11:42	1
Y Carrier	81.9		30 - 110					05/15/24 09:12	06/06/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.404	U	0.374	0.375	5.00	0.595	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-050

Lab Sample ID: 160-54048-50

Date Collected: 05/06/24 11:05

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0903	U	0.0948	0.0951	1.00	0.152	pCi/L	05/15/24 09:08	06/11/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/15/24 09:08	06/11/24 07:45	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.102	U	0.298	0.298	1.00	0.529	pCi/L	05/15/24 09:12	06/06/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/15/24 09:12	06/06/24 11:43	1
Y Carrier	84.5		30 - 110					05/15/24 09:12	06/06/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.192	U	0.313	0.313	5.00	0.529	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-051

Lab Sample ID: 160-54048-51

Date Collected: 04/29/24 14:52

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139	U	0.102	0.103	1.00	0.146	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.281	U	0.305	0.306	1.00	0.495	pCi/L	05/15/24 09:12	06/06/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					05/15/24 09:12	06/06/24 11:43	1
Y Carrier	84.5		30 - 110					05/15/24 09:12	06/06/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.420	U	0.322	0.323	5.00	0.495	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-052

Lab Sample ID: 160-54048-52

Date Collected: 04/30/24 10:36

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.352		0.129	0.132	1.00	0.126	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.455	U	0.316	0.318	1.00	0.465	pCi/L	05/15/24 09:12	06/06/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:12	06/06/24 11:43	1
Y Carrier	80.0		30 - 110					05/15/24 09:12	06/06/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.807		0.341	0.344	5.00	0.465	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-053

Date Collected: 04/29/24 13:11

Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-53

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.125	U	0.100	0.101	1.00	0.148	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.206	U	0.373	0.374	1.00	0.641	pCi/L	05/15/24 09:12	06/06/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					05/15/24 09:12	06/06/24 11:43	1
Y Carrier	84.5		30 - 110					05/15/24 09:12	06/06/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.331	U	0.386	0.387	5.00	0.641	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-054

Date Collected: 05/07/24 12:43

Date Received: 05/10/24 15:00

Lab Sample ID: 160-54048-54

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.262		0.122	0.124	1.00	0.142	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.555	U	0.393	0.396	1.00	0.596	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	82.6		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.817		0.412	0.415	5.00	0.596	pCi/L		06/13/24 11:16	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-055

Lab Sample ID: 160-54048-55

Date Collected: 05/08/24 11:21

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0554	U	0.0847	0.0849	1.00	0.145	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.439	U	0.310	0.313	1.00	0.465	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	83.4		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.494		0.321	0.324	5.00	0.465	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-056

Lab Sample ID: 160-54048-56

Date Collected: 05/07/24 12:53

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0847	U	0.0845	0.0849	1.00	0.132	pCi/L	05/15/24 09:08	06/11/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/15/24 09:08	06/11/24 07:45	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.138	U	0.221	0.222	1.00	0.469	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	84.9		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0847	U	0.237	0.238	5.00	0.469	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-057

Lab Sample ID: 160-54048-57

Date Collected: 05/02/24 12:39

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0504	U	0.0706	0.0707	1.00	0.120	pCi/L	05/15/24 09:08	06/11/24 09:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/15/24 09:08	06/11/24 09:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.427	U	0.331	0.333	1.00	0.511	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	87.5		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.477	U	0.338	0.340	5.00	0.511	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-058

Lab Sample ID: 160-54048-58

Date Collected: 05/06/24 10:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0306	U	0.0703	0.0704	1.00	0.129	pCi/L	05/15/24 09:08	06/11/24 09:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					05/15/24 09:08	06/11/24 09:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.332	U	0.311	0.313	1.00	0.497	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	87.1		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.363	U	0.319	0.321	5.00	0.497	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-059

Lab Sample ID: 160-54048-59

Date Collected: 05/07/24 12:43

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.169		0.102	0.103	1.00	0.133	pCi/L	05/15/24 09:08	06/11/24 09:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					05/15/24 09:08	06/11/24 09:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.729		0.387	0.393	1.00	0.541	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	79.6		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.897		0.400	0.406	5.00	0.541	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-060

Lab Sample ID: 160-54048-60

Date Collected: 05/08/24 11:35

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0833	U	0.0894	0.0897	1.00	0.143	pCi/L	05/15/24 09:08	06/11/24 09:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					05/15/24 09:08	06/11/24 09:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.134	U	0.292	0.292	1.00	0.510	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	83.7		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.218	U	0.305	0.305	5.00	0.510	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-063

Lab Sample ID: 160-54048-61

Date Collected: 05/07/24 11:10

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.171	U	0.130	0.131	1.00	0.174	pCi/L	05/15/24 09:01	06/07/24 23:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	64.9		30 - 110					05/15/24 09:01	06/07/24 23:09	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.56		0.594	0.611	1.00	0.748	pCi/L	05/15/24 09:06	06/05/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	64.9		30 - 110					05/15/24 09:06	06/05/24 12:07	1
Y Carrier	84.5		30 - 110					05/15/24 09:06	06/05/24 12:07	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.73		0.608	0.625	5.00	0.748	pCi/L		06/13/24 11:17	1

Client Sample ID: 24041542-064

Lab Sample ID: 160-54048-62

Date Collected: 05/07/24 12:08

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.261		0.129	0.131	1.00	0.139	pCi/L	05/15/24 09:01	06/07/24 23:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/15/24 09:01	06/07/24 23:09	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.913		0.405	0.413	1.00	0.534	pCi/L	05/15/24 09:06	06/05/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/15/24 09:06	06/05/24 12:07	1
Y Carrier	80.7		30 - 110					05/15/24 09:06	06/05/24 12:07	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.17		0.425	0.433	5.00	0.534	pCi/L		06/13/24 11:17	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661786/1-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661786

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1624		0.110	0.111	1.00	0.144	pCi/L	05/15/24 09:01	06/07/24 23:06	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					05/15/24 09:01	06/07/24 23:06	1

Lab Sample ID: LCS 160-661786/2-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661786

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.38		1.17	1.00	0.210	pCi/L	92	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	96.8		30 - 110							

Lab Sample ID: MB 160-661789/1-A
Matrix: Water
Analysis Batch: 665661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661789

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1841		0.115	0.116	1.00	0.158	pCi/L	05/15/24 09:08	06/11/24 07:51	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/15/24 09:08	06/11/24 07:51	1

Lab Sample ID: LCS 160-661789/2-A
Matrix: Water
Analysis Batch: 665661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661789

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.594		1.05	1.00	0.125	pCi/L	85	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	94.5		30 - 110							

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 665661

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661789

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0407	U	0.02005	U	0.0869	1.00	0.168	pCi/L	0.13	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 665661

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661789

Carrier	<i>DU</i> %Yield	<i>DU</i> Qualifier	Limits
Ba Carrier	80.6		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661787/1-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661787

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.01637	U	0.343	0.343	1.00	0.642	pCi/L	05/15/24 09:06	06/05/24 12:13	1
Carrier	<i>MB</i> %Yield	<i>MB</i> Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					05/15/24 09:06	06/05/24 12:13	1
Y Carrier	67.7		30 - 110					05/15/24 09:06	06/05/24 12:13	1

Lab Sample ID: LCS 160-661787/2-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661787

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.88	9.466		1.31	1.00	0.536	pCi/L	107	75 - 125
Carrier	<i>LCS</i> %Yield	<i>LCS</i> Qualifier	Limits						
Ba Carrier	96.8		30 - 110						
Y Carrier	80.4		30 - 110						

Lab Sample ID: MB 160-661790/1-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661790

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3312	U	0.282	0.284	1.00	0.437	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	<i>MB</i> %Yield	<i>MB</i> Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	84.5		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Lab Sample ID: LCS 160-661790/2-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661790

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.88	8.433		1.20	1.00	0.537	pCi/L	95	75 - 125

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661790/2-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661790

	LCS	LCS	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.5		30 - 110
Y Carrier	76.3		30 - 110

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 664915

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661790

	Sample	Sample		DU	DU	Total						RER	
Analyte	Result	Qual		Result	Qual	Uncert.	RL	MDC	Unit			Limit	
Radium-228	0.276	U		0.3214	U	(2σ+/-) 0.350	1.00	0.567	pCi/L			0.07	1
	DU	DU											
Carrier	%Yield	Qualifier	Limits										
Ba Carrier	80.6		30 - 110										
Y Carrier	80.7		30 - 110										

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEE POWER PLANT, ASH POND NO. 2

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-3
SDG: 24041542

Rad

Prep Batch: 661786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-61	24041542-063	Total/NA	Water	PrecSep-21	
160-54048-62	24041542-064	Total/NA	Water	PrecSep-21	
MB 160-661786/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661786/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 661787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-61	24041542-063	Total/NA	Water	PrecSep_0	
160-54048-62	24041542-064	Total/NA	Water	PrecSep_0	
MB 160-661787/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661787/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 661789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-41	24041542-041	Total/NA	Water	PrecSep-21	
160-54048-42	24041542-042	Total/NA	Water	PrecSep-21	
160-54048-43	24041542-043	Total/NA	Water	PrecSep-21	
160-54048-44	24041542-044	Total/NA	Water	PrecSep-21	
160-54048-45	24041542-045	Total/NA	Water	PrecSep-21	
160-54048-46	24041542-046	Total/NA	Water	PrecSep-21	
160-54048-47	24041542-047	Total/NA	Water	PrecSep-21	
160-54048-48	24041542-048	Total/NA	Water	PrecSep-21	
160-54048-49	24041542-049	Total/NA	Water	PrecSep-21	
160-54048-50	24041542-050	Total/NA	Water	PrecSep-21	
160-54048-51	24041542-051	Total/NA	Water	PrecSep-21	
160-54048-52	24041542-052	Total/NA	Water	PrecSep-21	
160-54048-53	24041542-053	Total/NA	Water	PrecSep-21	
160-54048-54	24041542-054	Total/NA	Water	PrecSep-21	
160-54048-55	24041542-055	Total/NA	Water	PrecSep-21	
160-54048-56	24041542-056	Total/NA	Water	PrecSep-21	
160-54048-57	24041542-057	Total/NA	Water	PrecSep-21	
160-54048-58	24041542-058	Total/NA	Water	PrecSep-21	
160-54048-59	24041542-059	Total/NA	Water	PrecSep-21	
160-54048-60	24041542-060	Total/NA	Water	PrecSep-21	
MB 160-661789/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661789/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-45 DU	24041542-045	Total/NA	Water	PrecSep-21	

Prep Batch: 661790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-41	24041542-041	Total/NA	Water	PrecSep_0	
160-54048-42	24041542-042	Total/NA	Water	PrecSep_0	
160-54048-43	24041542-043	Total/NA	Water	PrecSep_0	
160-54048-44	24041542-044	Total/NA	Water	PrecSep_0	
160-54048-45	24041542-045	Total/NA	Water	PrecSep_0	
160-54048-46	24041542-046	Total/NA	Water	PrecSep_0	
160-54048-47	24041542-047	Total/NA	Water	PrecSep_0	
160-54048-48	24041542-048	Total/NA	Water	PrecSep_0	
160-54048-49	24041542-049	Total/NA	Water	PrecSep_0	
160-54048-50	24041542-050	Total/NA	Water	PrecSep_0	
160-54048-51	24041542-051	Total/NA	Water	PrecSep_0	

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QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEE POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Rad (Continued)

Prep Batch: 661790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-52	24041542-052	Total/NA	Water	PrecSep_0	
160-54048-53	24041542-053	Total/NA	Water	PrecSep_0	
160-54048-54	24041542-054	Total/NA	Water	PrecSep_0	
160-54048-55	24041542-055	Total/NA	Water	PrecSep_0	
160-54048-56	24041542-056	Total/NA	Water	PrecSep_0	
160-54048-57	24041542-057	Total/NA	Water	PrecSep_0	
160-54048-58	24041542-058	Total/NA	Water	PrecSep_0	
160-54048-59	24041542-059	Total/NA	Water	PrecSep_0	
160-54048-60	24041542-060	Total/NA	Water	PrecSep_0	
MB 160-661790/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661790/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-45 DU	24041542-045	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-54048-41	24041542-041	93.3					
160-54048-42	24041542-042	92.0					
160-54048-43	24041542-043	89.6					
160-54048-44	24041542-044	90.0					
160-54048-45	24041542-045	88.6					
160-54048-45 DU	24041542-045	80.6					
160-54048-46	24041542-046	90.3					
160-54048-47	24041542-047	89.6					
160-54048-48	24041542-048	90.3					
160-54048-49	24041542-049	82.8					
160-54048-50	24041542-050	92.0					
160-54048-51	24041542-051	83.1					
160-54048-52	24041542-052	89.6					
160-54048-53	24041542-053	82.6					
160-54048-54	24041542-054	82.8					
160-54048-55	24041542-055	95.5					
160-54048-56	24041542-056	91.0					
160-54048-57	24041542-057	91.5					
160-54048-58	24041542-058	98.0					
160-54048-59	24041542-059	89.1					
160-54048-60	24041542-060	95.0					
160-54048-61	24041542-063	64.9					
160-54048-62	24041542-064	91.8					
LCS 160-661786/2-A	Lab Control Sample	96.8					
LCS 160-661789/2-A	Lab Control Sample	94.5					
MB 160-661786/1-A	Method Blank	94.3					
MB 160-661789/1-A	Method Blank	89.8					

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba Y					
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-54048-41	24041542-041	93.3	81.5				
160-54048-42	24041542-042	92.0	78.9				
160-54048-43	24041542-043	89.6	83.0				
160-54048-44	24041542-044	90.0	82.6				
160-54048-45	24041542-045	88.6	80.7				
160-54048-45 DU	24041542-045	80.6	80.7				
160-54048-46	24041542-046	90.3	81.5				
160-54048-47	24041542-047	89.6	82.2				
160-54048-48	24041542-048	90.3	78.9				
160-54048-49	24041542-049	82.8	81.9				
160-54048-50	24041542-050	92.0	84.5				
160-54048-51	24041542-051	83.1	84.5				
160-54048-52	24041542-052	89.6	80.0				

Eurofins St. Louis

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
Job ID: 160-54048-3
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-54048-53	24041542-053	82.6	84.5
160-54048-54	24041542-054	82.8	82.6
160-54048-55	24041542-055	95.5	83.4
160-54048-56	24041542-056	91.0	84.9
160-54048-57	24041542-057	91.5	87.5
160-54048-58	24041542-058	98.0	87.1
160-54048-59	24041542-059	89.1	79.6
160-54048-60	24041542-060	95.0	83.7
160-54048-61	24041542-063	64.9	84.5
160-54048-62	24041542-064	91.8	80.7
LCS 160-661787/2-A	Lab Control Sample	96.8	80.4
LCS 160-661790/2-A	Lab Control Sample	94.5	76.3
MB 160-661787/1-A	Method Blank	94.3	67.7
MB 160-661790/1-A	Method Blank	89.8	84.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Site Sampling Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	AP2D	Groundwater Sample	71.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
002	G1001	Groundwater Sample	68.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
003	G1003	Groundwater Sample	70.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
004	G101	Groundwater Sample	75.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
005	G102	Groundwater Sample	76.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
006	G103	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
007	G105	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
008	G106	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
009	G107	Groundwater Sample	67.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
010	G108	Groundwater Sample	71.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
011	G109	Groundwater Sample	70.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
012	G110	Groundwater Sample	76.0	None	S	Clear	Good	Good	Good	Yes	Yes
013	G111	Groundwater Sample	76.0	None	S	Clear	Good	Good	Good	Yes	Yes
014	G119	Groundwater Sample	76.0	None	W	Clear	Good	Good	Good	Yes	Yes
015	G120	Groundwater Sample	77.0	None	NW	Clear	Good	Good	Good	Yes	Yes
016	G121	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
017	G122	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
018	G123	Groundwater Sample	69.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
019	G124	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
020	G125	Groundwater Sample	72.0	None	SE	Clear	Good	Good	Good	Yes	Yes
021	G126	Groundwater Sample	68.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
022	G151	Groundwater Sample	65.0	None	SE	Clear	Good	Good	Good	Yes	Yes
023	G152	Groundwater Sample	71.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
024	G153	Groundwater Sample	73.0	None	S	Clear	Good	Good	Good	Yes	Yes
025	G154	Groundwater Sample	72.0	None	SE	Clear	Good	Good	Good	Yes	Yes
026	G155	Groundwater Sample	67.0	None	SE	Clear	Good	Good	Good	Yes	Yes
027	G200	Groundwater Sample	74.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
028	G206	Groundwater Sample	70.0	None	NW	Clear	Good	Good	Good	Yes	Yes
029	G206D	Groundwater Sample	64.0	None	NW	Clear	Good	Good	Good	Yes	Yes
030	G207	Groundwater Sample	73.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
031	G208	Groundwater Sample	71.0	None	NW	Clear	Good	Good	Good	Yes	Yes
032	G209	Groundwater Sample	74.0	None	NE	Clear	Good	Good	Good	Yes	Yes
033	G210	Groundwater Sample	72.0	None	E	Clear	Good	Good	Good	Yes	Yes
034	G211	Groundwater Sample	71.0	None	E	Clear	Good	Good	Good	Yes	Yes
035	G212	Groundwater Sample	70.0	None	E	Clear	Good	Good	Good	Yes	Yes



Site Sampling Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
036	G213	Groundwater Sample	70.0	None	E	Clear	Good	Good	Good	Yes	Yes
037	G214	Groundwater Sample	76.0	None	NW	Clear	Good	Good	Good	Yes	Yes
038	G215	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes
039	G216	Groundwater Sample	72.0	None	NW	Clear	Good	Good	Good	Yes	Yes
040	G217	Groundwater Sample	81.0	None	N	Clear	Good	Good	Good	Yes	Yes
041	G218	Groundwater Sample	78.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
042	G270	Groundwater Sample	70.0	None	N	Clear	Good	Good	Good	Yes	Yes
043	G271	Groundwater Sample	78.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
044	G272	Groundwater Sample	77.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
045	G273	Groundwater Sample	76.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
046	G274	Groundwater Sample	79.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
047	G275	Groundwater Sample	73.0	None	N	Clear	Good	Good	Good	Yes	Yes
048	G275D	Groundwater Sample	71.0	None	N	Clear	Good	Good	Good	Yes	Yes
049	G276	Groundwater Sample	70.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
050	G277	Groundwater Sample	68.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
051	G278	Groundwater Sample	72.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
052	G279	Groundwater Sample	67.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
053	G280	Groundwater Sample	70.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
054	G281	Groundwater Sample	69.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
055	G283	Groundwater Sample	63.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
056	G284	Groundwater Sample	65.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
057	G285	Groundwater Sample	67.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
058	G301	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
059	G302	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
060	G303	Groundwater Sample	77.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
061	G305	Groundwater Sample	76.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
062	G306	Groundwater Sample	75.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
063	G307	Groundwater Sample	77.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
064	G307D	Groundwater Sample	75.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
065	G308	Groundwater Sample	77.0	None	N	Clear	Good	Good	Good	Yes	Yes
066	G310	Groundwater Sample	73.0	None	N	Clear	Good	Good	Good	Yes	Yes
067	G312	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
068	G313	Groundwater Sample	75.0	None	NE	Clear	Good	Good	Good	Yes	Yes
069	G314	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes
070	G314D	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes



Site Sampling Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
071	G315	Groundwater Sample	70.0	None	NE	Clear	Good	Good	Good	Yes	Yes
072	G316	Groundwater Sample	73.0	None	NW	Clear	Good	Good	Good	Yes	Yes
073	G401	Groundwater Sample	83.0	None	NE	Clear	Good	Good	Good	Yes	Yes
074	G402	Groundwater Sample	65.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
075	G403	Groundwater Sample	63.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
076	G404	Groundwater Sample	68.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
077	G405	Groundwater Sample	69.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
078	G406	Groundwater Sample	63.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
079	G407	Groundwater Sample	55.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
080	G410	Groundwater Sample	70.0	None	NW	Clear	Good	Good	Good	Yes	Yes
081	G411	Groundwater Sample	55.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
082	L202	Leachate Sample	77.0	None	NW	Cloudy					
083	NE Riser	DTW Only	55.0	None	E	Cloudy					
084	R104	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
085	R201	Groundwater Sample	74.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
086	R205	Groundwater Sample	76.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
087	SG-02	DTW Only	55.0	None	E	Cloudy					
088	SG-03	DTW Only	55.0	None	E	Cloudy					
089	T127	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
090	T128	Groundwater Sample	74.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
091	X201	Groundwater Sample	76.0	None	SW	Partly cloudy				Yes	
092	XPW01	Groundwater Sample	78.0	None	SW	Partly cloudy	Good	Good	Good	Yes	No
093	XPW02	Groundwater Sample	75.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
094	XSG-01	DTW Only	55.0	None	E	Cloudy					
095	Field Blank	QA/QC Sample	71.0	None	SE	Partly cloudy					
096	G102 Duplicate	QA/QC Sample	76.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
097	G200 Duplicate	QA/QC Sample	74.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
098	G217 Duplicate	QA/QC Sample	81.0	None	N	Clear	Good	Good	Good	Yes	Yes
099	G301 Duplicate	QA/QC Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
100	R201 Duplicate	QA/QC Sample	74.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
101	Equipment Blank 1	QA/QC Sample	71.0	None	SE	Partly cloudy					
102	Equipment Blank 2	QA/QC Sample									
103	Equipment Blank 3	QA/QC Sample									
104	G219	Groundwater Sample	70.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
105	G220	Groundwater Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes



Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	GW Level Measurement				Purge Activities						
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Purge Rate (mL/min)
001	AP2D	JC	5/8/24 9:18	20.50	35.43	JC	5/8/2024	09:25	09:52	Submersible Pump	4"	370.4
002	G1001	TAC	5/7/24 9:38	5.73	13.79	TAC	5/7/2024	09:42	10:16	Peristaltic Pump	2"	147.1
003	G1003	BG	5/6/24 13:18	11.16	11.16							
004	G101	JC	5/2/24 9:59	3.90	24.30	JC	5/2/2024	09:59	10:22	Bladder Pump	2"	282.6
005	G102	JC	5/2/24 10:41	4.33	20.00	JC	5/2/2024	10:41	11:03	Bladder Pump	2"	272.7
006	G103	JC	5/2/24 11:47	8.89	26.90	JC	5/2/2024	11:47	12:26	Bladder Pump	2"	230.8
007	G105	JC	5/2/24 13:17	8.23	27.70	JC	5/2/2024	13:18	13:30	Bladder Pump	2"	250.0
008	G106	JC	5/2/24 13:58	9.13	25.60	JC	5/2/2024	13:58	14:15	Bladder Pump	2"	235.3
009	G107	JC	5/3/24 9:03	8.61	22.70	JC	5/3/2024	09:05	09:20	Bladder Pump	2"	266.7
010	G108	JC	5/1/24 10:00	8.74	26.60	JC	5/1/2024	10:10	10:36	Bladder Pump	2"	230.8
011	G109	JC	5/1/24 9:33	8.44	26.30	JC	5/1/2024	09:33	09:53	Bladder Pump	2"	250.0
012	G110	JC	4/30/24 14:36	9.30	27.50	JC	4/30/2024	14:36	14:48	Bladder Pump	2"	250.0
013	G111	JC	4/30/24 13:57	9.23	24.30	JC	4/30/2024	13:57	14:11	Bladder Pump	2"	250.0
014	G119	JC	5/1/24 11:38	14.96	27.40	JC	5/1/2024	11:46	12:22	Bladder Pump	2"	250.0
015	G120	JC	5/1/24 12:32	13.99	26.70	JC	5/1/2024	12:35	12:51	Bladder Pump	2"	312.5
016	G121	JC	5/1/24 12:58	13.92	29.10	JC	5/1/2024	13:06	13:21	Bladder Pump	2"	233.3
017	G122	JC	5/1/24 13:25	12.49	26.50	JC	5/1/2024	13:37	13:59	Bladder Pump	2"	227.3
018	G123	BG	5/7/24 9:30	10.84	30.90	BG	5/7/2024	09:30	10:01	Peristaltic Pump	2"	161.3
019	G124	JC	5/1/24 14:15	11.38	26.70	JC	5/1/2024	14:16	14:51	Bladder Pump	2"	200.0
020	G125	JC	5/2/24 9:19	11.12	26.70	JC	5/2/2024	09:20	09:41	Bladder Pump	2"	285.7
021	G126	JC	5/3/24 9:28	8.51	20.40	JC	5/3/2024	09:33	09:53	Bladder Pump	2"	200.0
022	G151	JC	4/30/24 9:51	10.05	23.60	JC	4/30/2024	09:52	10:11	Bladder Pump	2"	210.5
023	G152	BG	5/7/24 10:28	9.34	22.00	BG	5/7/2024	10:28	11:15	Peristaltic Pump	2"	106.4
024	G153	JC	4/30/24 12:19	10.54	23.90	JC	4/30/2024	12:19	12:38	Bladder Pump	2"	210.5
025	G154	JC	4/30/24 11:43	6.54	22.80	JC	4/30/2024	11:43	12:01	Bladder Pump	2"	250.0
026	G155	JC	4/30/24 10:35	9.25	26.20	JC	4/30/2024	10:35	11:21	Bladder Pump	2"	217.4
027	G200	JC	5/7/24 12:23	2.90	20.70	JC	5/7/2024	12:24	12:53	Submersible Pump	2"	275.9
028	G206	BG	4/30/24 10:35	9.69	26.30	BG	4/30/2024	10:35	10:57	Bladder Pump	2"	272.7
029	G206D	BG		29.57		BG	4/30/2024	09:46	10:28	Bladder Pump	2"	214.3
030	G207	BG	5/7/24 11:32	10.25	26.60	BG	5/7/2024	11:32	11:46	Peristaltic Pump	2"	214.3
031	G208	bg	4/30/24 11:12	10.36	26.60	BG	4/30/2024	11:12	11:27	Bladder Pump	2"	113.3
032	G209	BG	5/1/24 11:40	9.64	25.50	BG	5/1/2024	11:40	12:16	Bladder Pump	2"	83.3
033	G210	bg	5/1/24 10:53	9.90	25.00	BG	5/1/2024	10:53	11:27	Bladder Pump	2"	294.1
034	G211	BG	5/1/24 10:02	9.85	26.30	BG	5/1/2024	10:02	10:40	Bladder Pump	2"	171.1
035	G212	BG	5/1/24 9:39	10.30		BG	5/1/2024	09:39	09:52	Bladder Pump	2"	115.4

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	GW Level Measurement				Purge Activities						
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Purge Rate (mL/min)
036	G213	BG	5/6/24 1359	10.98	26.50	BG	5/6/2024	13:56	14:28	Bladder Pump	2"	140.6
037	G214	BG	4/30/24 13:51	13.98	26.50	BG	4/30/2024	13:51	14:17	Bladder Pump	2"	384.6
038	G215	BG	4/30/24 12:35	13.89	26.90	BG	4/30/2024	12:35	13:19	Bladder Pump	2"	227.3
039	G216	BG	4/30/24 11:42	13.22	28.50	BG	4/30/2024	11:42	12:20	Bladder Pump	2"	223.7
040	G217	BG	5/2/24 12:06	13.75	28.40	BG	5/2/2024	12:06	12:39	Bladder Pump	2"	272.7
041	G218	BG	5/2/24 11:00	12.93	28.50	BG	5/2/2024	11:00	11:47	Bladder Pump	2"	191.5
042	G270	BG	5/8/24 9:26	1.94	20.40	BG	5/8/2024	09:26	09:40	Peristaltic Pump	2"	178.6
043	G271	BG	5/1/24 13:22	8.40	18.70	BG	5/1/2024	13:22	13:37	Bladder Pump	2"	200.0
044	G272	BG	5/1/24 12:44	8.80	17.40	BG	5/1/2024	12:44	13:10	Bladder Pump	2"	173.1
045	G273	BG	5/1/24 12:13	8.65	18.90	BG	5/1/2024	12:13	12:30	Bladder Pump	2"	352.9
046	G274	BG	5/1/24 13:55	12.38	20.40	BG	5/1/2024	13:55	14:21	Bladder Pump	2"	192.3
047	G275	BG	5/2/24 10:18	12.64	15.30	BG	5/2/2024	10:18	10:33	Bladder Pump	2"	133.3
048	G275D	BG	5/2/24 9:23	46.64	62.70	BG	5/2/2024	09:23	09:58	Bladder Pump	2"	85.7
049	G276	TAC	5/7/24 10:53	26.70	30.90	TAC	5/7/2024	11:12	11:45	Peristaltic Pump	2"	151.5
050	G277	JC	5/7/24 9:18	19.56	22.30	JC	5/7/2024	09:18	09:40	Bladder Pump	2"	181.8
051	G278	TAC	5/7/24 12:43	23.97	26.40	TAC	5/7/2024	12:44	13:31	Peristaltic Pump	2"	148.9
052	G279	BG	5/3/24 9:16	21.98	30.80	BG	5/3/2024	09:16	09:40	Bladder Pump	2"	83.3
053	G280	JC	5/6/24 13:35	3.86	20.20	JC	5/6/2024	13:37	14:07	Bladder Pump	2"	200.0
054	G281	JC	5/3/24 10:06	4.24	22.80	JC	5/3/2024	10:06	10:27	Bladder Pump	2"	238.1
055	G283	BG	5/6/24 10:19	4.18	20.80	BG	5/6/2024	10:19	10:59	Bladder Pump	2"	137.5
056	G284	BG	5/6/24 11:14	10.00	16.30	BG	5/6/2024	11:14	11:36	Bladder Pump	2"	181.8
057	G285	BG	5/6/24 11:52	4.80	26.80	BG	5/6/2024	11:52	12:22	Bladder Pump	2"	166.7
058	G301	TAC	5/6/24 9:55	6.18	18.60	TAC	5/6/2024	09:59	10:28	Bladder Pump	2"	206.9
059	G302	TAC	5/6/24 11:21	5.52	20.50	TAC	5/6/2024	11:21	11:54	Bladder Pump	2"	265.2
060	G303	TAC	5/1/24 10:17	3.69	23.30	TAC	5/1/2024	10:17	10:49	Bladder Pump	2"	140.6
061	G305	TAC	5/1/24 14:13	6.04	21.50	TAC	5/1/2024	14:14	14:41	Bladder Pump	2"	259.3
062	G306	TAC	5/1/24 12:59	5.42	20.90	TAC	5/1/2024	13:00	13:47	Bladder Pump	2"	255.3
063	G307	TAC	5/2/24 12:28	0.00	20.60	TAC	5/2/2024	13:30	14:32	Peristaltic Pump	2"	161.3
064	G307D	TAC	5/2/24 11:09	2.83	62.00	TAC	5/2/2024	11:10	11:35	Bladder Pump	2"	260.0
065	G308	TAC	5/2/24 12:26	4.12	18.20	TAC	5/2/2024	12:27	12:53	Bladder Pump	2"	192.3
066	G310	TAC	5/2/24 9:24	7.23	18.40	TAC	5/3/2024	09:25	09:55	Bladder Pump	2"	233.3
067	G312	TAC	5/6/24 12:37	10.18	17.80	TAC	5/6/2024	12:38	13:29	Bladder Pump	2"	215.7
068	G313	TAC	5/1/24 11:47	3.01	14.30	TAC	5/1/2024	11:48	12:13	Bladder Pump	2"	360.0
069	G314	TAC	4/30/24 13:35	5.48	22.80	TAC	4/30/2024	13:36	14:13	Bladder Pump	2"	162.2
070	G314D	TAC	4/30/24 12:24	5.82	52.30	TAC	4/30/2024	12:25	13:07	Bladder Pump	2"	166.7

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	GW Level Measurement				Purge Activities						
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Purge Rate (mL/min)
071	G315	TAC	5/2/24 10:03	2.34	17.40	TAC	5/2/2024	10:04	10:31	Bladder Pump	2"	166.7
072	G316	TAC	4/30/24 11:21	10.95	18.10	TAC	4/30/2024	11:22	11:56	Bladder Pump	2"	264.7
073	G401	BG	5/2/24 13:44	20.94	21.80	BG	5/2/2024	13:44	14:06	Bladder Pump	2"	136.4
074	G402	JC	5/6/24 11:27	8.74	23.40	JC	5/6/2024	11:27	12:00	Bladder Pump	2"	212.1
075	G403	JC	5/6/24 10:13	6.26	20.80	JC	5/6/2024	10:15	10:28	Bladder Pump	2"	230.8
076	G404	JC	5/6/24 12:32	3.80	14.10	JC	5/6/2024	12:32	12:44	Bladder Pump	2"	250.0
077	G405	JC	5/6/24 12:59	6.05	16.40	JC	5/6/2024	13:00	13:13	Bladder Pump	2"	230.8
078	G406	JC	5/6/24 10:48	10.24	22.30	JC	5/6/2024	10:48	11:05	Bladder Pump	2"	235.3
079	G407	TAC	4/29/24 14:09	4.27	23.00	TAC	4/29/2024	14:10	14:52	Bladder Pump	2"	190.5
080	G410	TAC	4/30/24 10:05	6.21	16.70	TAC	4/30/2024	10:06	10:36	Bladder Pump	2"	400.0
081	G411	TAC	4/29/24 12:40	4.33	19.20	TAC	4/29/2024	12:41	13:11	Bladder Pump	2"	250.0
082	L202	-	-	-	-	BG	5/8/2024	11:11	11:11	Direct Grab		-
083	NE Riser	BG	4/29/24 13:04	1.05	-							
084	R104	JC	5/2/24 12:42	6.85	22.70	JC	5/2/2024	12:42	13:00	Bladder Pump	2"	222.2
085	R201	BG	5/7/24 12:13	2.59	22.20	BG	5/7/2024	12:13	12:43	Peristaltic Pump	2"	100.0
086	R205	BG	5/7/24 13:20	4.29	19.00	BG	5/7/2024	13:20	13:46	Peristaltic Pump	2"	115.4
087	SG-02	JC	4/29/24 15:29	6.68								
088	SG-03	JC	4/29/24 10:27	7.94								
089	T127	TAC	5/6/24 14:09	13.81	21.28	TAC	5/6/2024	14:31	15:06	Peristaltic Pump	2"	228.6
090	T128	JC	5/1/24 10:59	13.83	28.70	JC	5/1/2024	10:59	11:31	Bladder Pump	2"	218.8
091	X201	-	-	-		JC	5/7/2024	13:25	13:25	Direct Grab		
092	XPW01	JC	5/7/24 13:35	4.63	16.10	JC	5/7/2024	13:38	13:55	Bladder Pump	2"	235.3
093	XPW02	BG	5/8/24 10:24	9.87	21.30	BG	5/8/2024	10:24	10:49	Bladder Pump	2"	180.0
094	XSG-01	JC	4/29/24 11:10	7.94								
095	Field Blank											
096	G102 Duplicate	JC	5/2/24 10:41	4.33	20.00	JC	5/2/2024	10:41	11:03	Bladder Pump	2"	272.7
097	G200 Duplicate	JC	5/7/24 12:23	2.90	20.70	JC	5/7/2024	12:24	12:53	Submersible Pump	2"	275.9
098	G217 Duplicate	BG	5/2/24 12:06	13.75	28.40	BG	5/2/2024	12:06	12:39	Bladder Pump	2"	272.7
099	G301 Duplicate	TAC	5/6/24 9:55	6.18	18.60	TAC	5/6/2024	09:59	10:28	Bladder Pump	2"	206.9
100	R201 Duplicate	BG	5/7/24 12:13	2.59	22.20	BG	5/7/2024	12:13	12:43	Peristaltic Pump	2"	100.0
101	Equipment Blank 1											
102	Equipment Blank 2											
103	Equipment Blank 3											
104	G219	JC	5/7/24 10:40	6.45	18.52	JC	5/7/2024	10:43	11:10	Submersible Pump	2"	333.3
105	G220	JC	5/7/24 11:35	12.10	27.91	JC	5/7/2024	11:37	12:08	Submersible Pump	2"	387.1

Site Sampling Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	AP2D	JC	05/08/24	09:52	Low Flow	218083	No	Clear	Moderate	lt rust	20.50	0
002	G1001	TAC	05/07/24	10:16	Low Flow	45986	No	Clear	None	None	8.11	2.38
003	G1003											
004	G101	JC	05/02/24	10:22	Low Flow	218083	Yes	Slightly cloudy	None	none	3.90	0
005	G102	JC	05/02/24	11:03	Low Flow	218083	Yes	Clear	None	none	4.33	0
006	G103	JC	05/02/24	12:26	Low Flow	218083	Yes	Clear	None	none	10.65	1.76
007	G105	JC	05/02/24	13:30	Low Flow	218083	Yes	Clear	None	none	8.23	0
008	G106	JC	05/02/24	14:15	Low Flow	218083	Yes	Clear	None	none	10.10	0.97
009	G107	JC	05/03/24	09:20	Low Flow	218083	Yes	Clear	None	none	9.33	0.72
010	G108	JC	05/01/24	10:36	Low Flow	218083	Yes	Clear	None	none	8.74	0
011	G109	JC	05/01/24	09:53	Low Flow	218083	Yes	Clear	None	none	8.44	0
012	G110	JC	04/30/24	14:48	Low Flow	218083	Yes	Clear	None	none	9.30	0
013	G111	JC	04/30/24	14:11	Low Flow	218083	Yes	Clear	None	none	9.23	0
014	G119	JC	05/01/24	12:22	Low Flow	218083	Yes	Clear	None	none	14.96	0
015	G120	JC	05/01/24	12:51	Low Flow	218083	Yes	Clear	None	none	16.41	2.42
016	G121	JC	05/01/24	13:21	Low Flow	218083	Yes	Clear	None	none	16.30	2.38
017	G122	JC	05/01/24	13:59	Low Flow	218083	Yes	Clear	None	none	13.75	1.26
018	G123	BG	05/07/24	10:01	Low Flow	26559	Yes	Clear	None	LT BROWN	12.15	1.31
019	G124	JC	05/01/24	14:51	Low Flow	218083	Yes	Clear	None	none	12.44	1.06
020	G125	JC	05/02/24	09:41	Low Flow	218083	Yes	Clear	None	none	11.12	0
021	G126	JC	05/03/24	09:53	Low Flow	218083	Yes	Clear	None	none	8.51	0
022	G151	JC	04/30/24	10:11	Low Flow	218083	Yes	Clear	None	none	10.05	0
023	G152	BG	05/07/24	11:15	Low Flow	26559	Yes	Clear	None	CLEAR	13.03	3.69
024	G153	JC	04/30/24	12:38	Low Flow	218083	Yes	Clear	None	none	13.09	2.55
025	G154	JC	04/30/24	12:01	Low Flow	218083	Yes	Clear	None	none	6.54	0
026	G155	JC	04/30/24	11:21	Low Flow	218083	Yes	Clear	None	none	9.25	0
027	G200	JC	05/07/24	12:53	Low Flow	218083	Yes	Slightly cloudy	Slight	none	2.98	0.08
028	G206	BG	04/30/24	10:57	Low Flow	26559	Yes	Clear	None	Lt Yellow	17.76	8.07
029	G206D	BG	04/30/24	10:28	Low Flow	26559	No	Clear	None	CLEAR	34.67	5.1
030	G207	BG	05/07/24	11:46	Low Flow	26559	Yes	Clear	None	CLEAR	10.76	0.51
031	G208	BG	04/30/24	11:27	Low Flow	26559	Yes	Clear	None	CLEAR	10.36	0
032	G209	BG	05/01/24	12:16	Low Flow	26559	Yes	Clear	Slight	Clear	10.73	1.09
033	G210	BG	05/01/24	11:27	Low Flow	26559	Yes	Clear	None	Clear	10.89	
034	G211	BG	05/01/24	10:40	Low Flow	26559	Yes	Clear	None	CLEAR	11.16	1.31
035	G212	BG	05/01/24	09:52	Low Flow	26559	Yes	Clear	None	CLEAR	10.98	0.68



Site Sampling Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
036	G213	BG	05/06/24	14:28	Low Flow	26559	Yes	Clear	Slight	Lt Yellow	11.04	0.06
037	G214	BG	04/30/24	14:17	Low Flow	26559	Yes	Clear	None	CLRAR	14.94	0.96
038	G215	BG	04/30/24	13:19	Low Flow	26559	Yes	Clear	None	CLEAR	16.67	2.78
039	G216	BG	04/30/24	12:20	Low Flow	26559	Yes	Slightly cloudy	Slight	Lt Orange	16.13	2.91
040	G217	BG	05/02/24	12:39	Low Flow	26559	Yes	Clear	None	CLEAR	14.01	0.26
041	G218	BG	05/02/24	11:47	Low Flow	26559	Yes	Clear	None	CLEAR	13.15	0.22
042	G270	BG	05/08/24	09:40	Low Flow	26559	Yes	Clear	Slight	CLEAR	1.92	-0.02
043	G271	BG	05/01/24	13:37	Low Flow	26559	Yes	Clear	None	CLEAR	8.98	0.58
044	G272	BG	05/01/24	13:10	Low Flow	26559	Yes	Slightly cloudy	None	LT BROWN	8.92	0.12
045	G273	BG	05/01/24	12:30	Low Flow	26559	Yes	Clear	None	CLEAR	9.05	0.4
046	G274	BG	05/01/24	14:21	Low Flow	26559	Yes	Clear	None	CLEAR	13.03	0.65
047	G275	BG	05/02/24	10:33	Low Flow	26559	Yes	Clear	None	CLEAR	T.O.P	N/A
048	G275D	BG	05/02/24	09:58	Low Flow	26559	Yes	Clear	None	LT BROWN	47.47	0.83
049	G276	TAC	05/07/24	11:45	Low Flow	45986	Yes	Clear	None	None	28.15	1.45
050	G277	JC	05/07/24	09:40	Low Flow	218083	Yes	Clear	None	none	19.86	0.3
051	G278	TAC	05/07/24	13:31	Low Flow	45986	Yes	Clear	None	None	24.86	0.89
052	G279	BG	05/03/24	09:40	Low Flow	26559	Yes	Clear	None	CLEAR	22.01	0.03
053	G280	JC	05/06/24	14:07	Low Flow	218083	Yes	Clear	None	none	3.86	0
054	G281	JC	05/03/24	10:27	Low Flow	218083	Yes	Cloudy	None	none	4.24	0
055	G283	BG	05/06/24	10:59	Low Flow	26559	No	Clear	None	cLEAR	4.98	0.8
056	G284	BG	05/06/24	11:36	Low Flow	26559	No	Clear	None	CLEAR	11.04	1.04
057	G285	BG	05/06/24	12:22	Low Flow	26559	No	Clear	None	CLEAR	5.21	0.41
058	G301	TAC	05/06/24	10:28	Low Flow	45986	No	Clear	None	None	7.39	1.21
059	G302	TAC	05/06/24	11:54	Low Flow	45986	No	Clear	None	None	6.42	0.9
060	G303	TAC	05/01/24	10:49	Low Flow	45986	No	Clear	None	None	4.98	1.29
061	G305	TAC	05/01/24	14:41	Low Flow	45986	No	Clear	None	None	6.15	0.11
062	G306	TAC	05/01/24	13:47	Low Flow	45986	No	Clear	None	None	9.58	4.16
063	G307	TAC	05/02/24	14:32	Low Flow	45986	No	Clear	None	None	0.00	0
064	G307D	TAC	05/02/24	11:35	Low Flow	45986	No	Clear	None	None	11.63	8.8
065	G308	TAC	05/02/24	12:53	Low Flow	45986	No	Clear	None	None	4.76	0.64
066	G310	TAC	05/03/24	09:55	Low Flow	45986	No	Clear	None	None	7.52	0.29
067	G312	TAC	05/06/24	13:29	Low Flow	45986	No	Clear	None	None	11.29	1.11
068	G313	TAC	05/01/24	12:13	Low Flow	45986	No	Clear	None	None	3.80	0.79
069	G314	TAC	04/30/24	14:13	Low Flow	45986	No	Clear	None	None	13.89	8.41
070	G314D	TAC	04/30/24	13:07	Low Flow	45986	No	Clear	None	None	17.15	11.33



Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
071	G315	TAC	05/02/24	10:31	Low Flow	45986	No	Clear	None	None	2.75	0.41
072	G316	TAC	04/30/24	11:56	Low Flow	45986	No	Clear	None	None	11.90	0.95
073	G401	BG	05/02/24	14:06	Low Flow	26559	Yes	Clear	None	Clear	20.00	-0.94
074	G402	JC	05/06/24	12:00	Low Flow	218083	Yes	Slightly cloudy	None	none	8.74	0
075	G403	JC	05/06/24	10:28	Low Flow	218083	Yes	Clear	None	none	6.26	0
076	G404	JC	05/06/24	12:44	Low Flow	218083	Yes	Clear	None	none	3.80	0
077	G405	JC	05/06/24	13:13	Low Flow	218083	Yes	Clear	None	none	6.05	0
078	G406	JC	05/06/24	11:05	Low Flow	218083	Yes	Clear	None	none	10.24	0
079	G407	TAC	04/29/24	14:52	Low Flow	45986	Yes	Clear	None	None	10.59	6.32
080	G410	TAC	04/30/24	10:36	Low Flow	45986	Yes	Clear	None	None	8.13	1.92
081	G411	TAC	04/29/24	13:11	Low Flow	45986	Yes	Clear	None	None	4.81	0.48
082	L202	BG	05/08/24	11:11	No Purge	26559	No	Clear	Slight	none	-	N/A
083	NE Riser											
084	R104	JC	05/02/24	13:00	Low Flow	218083	Yes	Clear	None	none	8.94	2.09
085	R201	BG	05/07/24	12:43	Low Flow	26559	Yes	Clear	Slight	CLEAR	3.12	0.53
086	R205	BG	05/07/24	13:46	Low Flow	26559	Yes	Clear	None	CLEAR	4.97	0.68
087	SG-02											
088	SG-03											
089	T127	TAC	05/06/24	15:06	Low Flow	45986	Yes	Clear	None	None	14.19	0.38
090	T128	JC	05/01/24	11:31	Low Flow	218083	Yes	Clear	None	none	13.83	0
091	X201	JC	05/07/24	13:25	No Purge	218083	No	Clear	None	none	-	N/A
092	XPW01	JC	05/07/24	13:55	Low Flow	218083	No	Clear	None	none	4.63	0
093	XPW02	BG	05/08/24	10:49	Low Flow	26559	Yes	Clear	None	CLREAR	10.87	1
094	XSG-01											
095	Field Blank	JC	05/08/24	11:21								
096	G102 Duplicate	JC	05/02/24	11:03	Low Flow	218083	Yes	Clear	None	none	4.33	0
097	G200 Duplicate	JC	05/07/24	12:53	Low Flow	218083	Yes	Slightly cloudy	Slight	none	2.98	0.08
098	G217 Duplicate	BG	05/02/24	12:39	Low Flow	26559	Yes	Clear	None	CLEAR	14.01	0.26
099	G301 Duplicate	TAC	05/06/24	10:28	Low Flow	45986	No	Clear	None	None	7.39	1.21
100	R201 Duplicate	BG	05/07/24	12:43	Low Flow	26559	Yes	Clear	Slight	CLEAR	3.12	0.53
101	Equipment Blank 1	JC	05/08/24	11:35								
102	Equipment Blank 2											
103	Equipment Blank 3											
104	G219	JC	05/07/24	11:10	Low Flow	218083	No	Clear	None	none	8.55	2.1
105	G220	JC	05/07/24	12:08	Low Flow	218083	No	Clear	None	none	12.34	0.24

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	COMMENTS
001	AP2D	
002	G1001	
003	G1003	DRY- no sample
004	G101	
005	G102	
006	G103	
007	G105	
008	G106	
009	G107	
010	G108	
011	G109	
012	G110	
013	G111	
014	G119	
015	G120	
016	G121	
017	G122	
018	G123	
019	G124	
020	G125	
021	G126	
022	G151	
023	G152	
024	G153	
025	G154	
026	G155	
027	G200	
028	G206	
029	G206D	
030	G207	
031	G208	
032	G209	
033	G210	
034	G211	
035	G212	

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	COMMENTS
036	G213	
037	G214	
038	G215	
039	G216	
040	G217	
041	G218	
042	G270	
043	G271	
044	G272	
045	G273	
046	G274	
047	G275	13.28 post-sample DTW is top of pump
048	G275D	
049	G276	
050	G277	
051	G278	
052	G279	
053	G280	
054	G281	
055	G283	
056	G284	
057	G285	
058	G301	
059	G302	
060	G303	
061	G305	
062	G306	
063	G307	Sampled under artesian conditions (mechanical packer well)
064	G307D	
065	G308	
066	G310	
067	G312	
068	G313	
069	G314	
070	G314D	

Site Sampling Event: Coffeen- 2Q24
 LIMS Workorder: 24041541
 Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
 Coffeen- 2Q 2024

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, ASH POND NO. 2
 COF-845-102

WO Sample	Well ID	COMMENTS
071	G315	
072	G316	
073	G401	
074	G402	
075	G403	
076	G404	
077	G405	
078	G406	
079	G407	
080	G410	
081	G411	
082	L202	L203 inoperable; alternative location L202 sampled; direct from line
083	NE Riser	
084	R104	
085	R201	
086	R205	
087	SG-02	
088	SG-03	
089	T127	Pulled pump. Check ball keeps getting stuck during pumping
090	T128	
091	X201	Sampled directly from leachate line.
092	XPW01	
093	XPW02	
094	XSG-01	
095	Field Blank	
096	G102 Duplicate	
097	G200 Duplicate	
098	G217 Duplicate	
099	G301 Duplicate	
100	R201 Duplicate	
101	Equipment Blank 1	
102	Equipment Blank 2	Not used; not collected
103	Equipment Blank 3	Not used; not collected
104	G219	
105	G220	

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
AP2D	5/8/2024	9:52	15.5	59.9	8.01	1,803.0	0.12	37.82	-200.3	20.50	24041541-001A
G1001	5/7/2024	10:16	17.7	63.9	6.82	1,048.1	2.79	2.87	3.4	5.73	24041541-002A
G1003	5/6/2024	13:18	Dry- No Sample							11.16	24041541-003A
G101	5/2/2024	10:22	13.8	56.8	7.37	781.9	0.34	51.61	54.1	3.90	24041541-004A
G102	5/2/2024	11:03	14.1	57.4	7.29	558.1	2.89	11.75	78.8	4.33	24041541-005A
G103	5/2/2024	12:26	15.8	60.4	7.05	901.7	0.96	4.20	93.6	8.89	24041541-006A
G105	5/2/2024	13:30	15.4	59.7	7.20	830.6	0.25	3.86	-111.6	8.23	24041541-007A
G106	5/2/2024	14:15	15.4	59.7	7.10	957.2	1.89	4.71	68.4	9.13	24041541-008A
G107	5/3/2024	9:20	15.6	60.0	7.33	763.7	5.02	10.26	80.3	8.61	24041541-009A
G108	5/1/2024	10:36	14.6	58.3	7.19	755.5	1.59	2.10	88.4	8.74	24041541-010A
G109	5/1/2024	9:53	13.9	57.0	7.01	960.2	0.18	28.90	92.9	8.44	24041541-011A
G110	4/30/2024	14:48	14.9	58.8	6.87	872.5	0.53	9.64	80.5	9.30	24041541-012A
G111	4/30/2024	14:11	15.0	58.9	7.15	903.8	1.89	3.31	62.7	9.23	24041541-013A
G119	5/1/2024	12:22	15.1	59.1	7.23	712.8	0.79	3.64	91.7	14.96	24041541-014A
G120	5/1/2024	12:51	16.3	61.4	7.34	775.2	6.83	8.37	111.2	13.99	24041541-015A
G121	5/1/2024	13:21	15.2	59.3	7.13	965.7	5.45	6.66	118.0	13.92	24041541-016A
G122	5/1/2024	13:59	16.8	62.2	6.89	1,179.4	2.98	13.52	107.9	12.49	24041541-017A
G123	5/7/2024	10:01	15.4	59.7	7.06	946.0	1.55	68.00	69.2	10.84	24041541-018A
G124	5/1/2024	14:51	14.8	58.6	7.20	875.1	2.83	20.76	109.7	11.38	24041541-019A
G125	5/2/2024	9:41	14.0	57.1	7.19	918.2	0.68	22.75	39.5	11.12	24041541-020A
G126	5/3/2024	9:53	14.1	57.4	7.16	805.8	1.35	4.48	80.8	8.51	24041541-021A
G151	4/30/2024	10:11	16.7	62.1	7.33	896.6	3.73	25.19	124.1	10.05	24041541-022A
G152	5/7/2024	11:15	16.6	61.8	7.21	781.9	3.20	8.38	36.5	9.34	24041541-023A
G153	4/30/2024	12:38	15.1	59.1	6.75	3,946.3	0.33	10.76	-59.3	10.54	24041541-024A
G154	4/30/2024	12:01	14.9	58.8	7.39	655.4	2.02	31.93	113.3	6.54	24041541-025A
G155	4/30/2024	11:21	14.8	58.6	7.27	960.1	1.11	45.64	114.1	9.25	24041541-026A
G200	5/7/2024	12:53	17.3	63.1	7.19	849.7	0.13	53.10	6.4	2.90	24041541-027A
G206	4/30/2024	10:57	15.1	59.2	7.12	858.5	1.71	12.71	-37.4	9.69	24041541-028A
G206D	4/30/2024	10:28	15.9	60.6	7.26	981.7	0.71	13.00	-104.1	29.57	24041541-029A
G207	5/7/2024	11:46	17.1	62.8	7.26	635.9	2.60	2.00	78.5	10.25	24041541-030A
G208	4/30/2024	11:27	15.4	59.8	7.33	545.7	4.69	6.43	72.9	10.36	24041541-031A
G209	5/1/2024	12:16	13.9	57.1	7.01	1,535.6	0.87	10.85	-6.9	9.64	24041541-032A
G210	5/1/2024	11:27	14.8	58.7	7.21	886.3	0.79	37.29	145.9	9.90	24041541-033A
G211	5/1/2024	10:40	15.4	59.8	7.31	781.6	1.68	28.87	150.0	9.85	24041541-034A
G212	5/1/2024	9:52	14.6	58.2	7.19	681.3	1.24	4.65	132.7	10.30	24041541-035A
G213	5/6/2024	14:28	15.4	59.8	7.14	668.3	0.90	31.60	63.5	10.98	24041541-036A
G214	4/30/2024	14:17	14.8	58.6	7.08	962.9	1.41	56.68	78.8	13.98	24041541-037A
G215	4/30/2024	13:19	15.1	59.2	6.87	1,908.7	0.69	10.28	-7.8	13.89	24041541-038A
G216	4/30/2024	12:20	15.8	60.5	6.93	2,081.6	2.60	56.89	-35.9	13.22	24041541-039A
G217	5/2/2024	12:39	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7	13.75	24041541-040A
G218	5/2/2024	11:47	15.7	60.2	6.90	1,522.4	0.63	25.80	-21.4	12.93	24041541-041A
G270	5/8/2024	9:40	14.0	57.2	7.11	688.1	1.83	1.26	55.0	1.94	24041541-042A

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G271	5/1/2024	13:37	14.2	57.6	7.06	1,076.4	1.22	4.33	112.9	8.40	24041541-043A
G272	5/1/2024	13:10	14.8	58.6	7.13	1,339.7	2.43	5.67	92.5	8.80	24041541-044A
G273	5/1/2024	12:30	13.9	57.0	6.97	1,570.3	0.66	3.02	24.3	8.65	24041541-045A
G274	5/1/2024	14:21	14.7	58.4	7.09	951.2	2.50	4.65	54.1	12.38	24041541-046A
G275	5/2/2024	10:33	16.4	61.5	6.93	1,027.0	4.95	19.58	70.3	12.64	24041541-047A
G275D	5/2/2024	9:58	17.7	63.8	7.23	1,503.7	0.58	64.88	-105.5	46.64	24041541-048A
G276	5/7/2024	11:45	18.1	64.6	6.83	1,214.5	5.02	10.30	59.5	26.70	24041541-049A
G277	5/7/2024	9:40	15.4	59.7	6.88	1,825.5	4.56	4.28	107.2	19.56	24041541-050A
G278	5/7/2024	13:31	19.7	67.5	6.68	2,756.8	2.06	1.95	78.1	23.97	24041541-051A
G279	5/3/2024	9:40	16.6	61.9	6.81	2,556.4	2.58	1.92	122.0	21.98	24041541-052A
G280	5/6/2024	14:07	13.7	56.7	7.31	833.7	0.19	18.68	71.1	3.86	24041541-053A
G281	5/3/2024	10:27	13.7	56.7	6.96	1,327.1	0.15	62.55	91.0	4.24	24041541-054A
G283	5/6/2024	10:59	13.1	55.5	7.05	1,192.3	0.69	6.54	-73.6	4.18	24041541-055A
G284	5/6/2024	11:36	12.5	54.5	7.20	717.2	2.89	0.75	52.0	10.00	24041541-056A
G285	5/6/2024	12:22	13.1	55.5	6.70	2,003.8	0.66	7.80	79.1	4.80	24041541-057A
G301	5/6/2024	10:28	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8	6.18	24041541-058A
G302	5/6/2024	11:54	13.9	57.0	6.49	1,581.9	0.86	3.24	-73.7	5.52	24041541-059A
G303	5/1/2024	10:49	14.4	57.8	6.69	1,855.9	1.22	71.31	-27.0	3.69	24041541-060A
G305	5/1/2024	14:41	14.6	58.2	7.09	1,617.6	1.22	11.25	55.6	6.04	24041541-061A
G306	5/1/2024	13:47	13.7	56.7	6.42	682.5	4.40	36.14	77.7	5.42	24041541-062A
G307	5/2/2024	14:32	22.3	72.2	7.03	1,121.1	2.14	75.20	6.5	0.00	24041541-063A
G307D	5/2/2024	11:35	16.8	62.2	7.18	1,201.0	3.01	30.22	-38.6	2.83	24041541-064A
G308	5/2/2024	12:53	14.1	57.3	7.14	1,694.9	0.71	2.40	55.6	4.12	24041541-065A
G310	5/3/2024	9:55	13.4	56.0	6.74	1,197.6	0.69	2.02	31.8	7.23	24041541-066A
G312	5/6/2024	13:29	13.8	56.8	6.16	2,159.1	0.69	3.61	35.2	10.18	24041541-067A
G313	5/1/2024	12:13	14.1	57.3	6.81	1,720.9	0.69	31.82	51.2	3.01	24041541-068A
G314	4/30/2024	14:13	13.7	56.6	6.56	3,483.8	0.61	16.21	-6.3	5.48	24041541-069A
G314D	4/30/2024	13:07	14.6	58.4	6.96	2,722.4	0.56	178.65	-36.7	5.82	24041541-070A
G315	5/2/2024	10:31	14.3	57.7	6.77	1,170.1	0.80	1.96	14.7	2.34	24041541-071A
G316	4/30/2024	11:56	12.4	54.4	6.83	1,896.2	0.65	7.79	-82.3	10.95	24041541-072A
G401	5/2/2024	14:06	17.8	64.0	5.89	1,395.7	1.11	4.24	71.7	20.94	24041541-073A
G402	5/6/2024	12:00	14.0	57.2	7.02	1,666.7	7.65	38.01	111.3	8.74	24041541-074A
G403	5/6/2024	10:28	14.5	58.1	6.85	716.9	0.30	6.25	70.2	6.26	24041541-075A
G404	5/6/2024	12:44	13.9	57.1	6.84	1,150.3	1.09	3.05	88.6	3.80	24041541-076A
G405	5/6/2024	13:13	14.0	57.3	6.96	1,818.5	0.71	8.10	59.3	6.05	24041541-077A
G406	5/6/2024	11:05	14.9	58.8	6.65	1,371.7	0.36	1.36	99.9	10.24	24041541-078A
G407	4/29/2024	14:52	14.8	58.7	6.65	2,211.6	1.48	71.17	97.4	4.27	24041541-079A
G410	4/30/2024	10:36	12.9	55.1	6.21	1,045.7	0.77	1.54	38.0	6.21	24041541-080A
G411	4/29/2024	13:11	13.2	55.8	7.04	866.1	0.79	16.20	102.6	4.33	24041541-081A
L202	5/8/2024	11:11	20.5	68.9	11.87	13,935.1	5.12	5.92	-43.3	-	24041541-082A
NE Riser	4/29/2024	13:04	DTW Only							1.05	24041541-083A
R104	5/2/2024	13:00	17.4	63.4	7.47	789.0	4.55	4.01	93.6	6.85	24041541-084A

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary

Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
R201	5/7/2024	12:43	16.2	61.2	7.03	986.0	2.05	6.83	-14.0	2.59	24041541-085A
R205	5/7/2024	13:46	15.2	59.3	6.75	1,296.9	2.11	7.63	84.6	4.29	24041541-086A
SG-02	4/29/2024	15:29	DTW Only							6.68	24041541-087A
SG-03	4/29/2024	10:27	DTW Only							7.94	24041541-088A
T127	5/6/2024	15:06	14.8	58.7	6.98	716.5	2.01	25.01	48.2	13.81	24041541-089A
T128	5/1/2024	11:31	15.1	59.3	7.16	745.8	2.69	4.88	92.7	13.83	24041541-090A
X201	5/7/2024	13:25	24.5	76.1	5.93	20,857.6	8.28	4.73	158.9		24041541-091A
XPW01	5/7/2024	13:55	16.7	62.1	7.80	1,284.1	0.62	8.23	-121.6	4.63	24041541-092A
XPW02	5/8/2024	10:49	16.7	62.0	7.69	839.6	0.61	4.12	-209.3	9.87	24041541-093A
XSG-01	4/29/2024	11:10	DTW Only							7.94	24041541-094A
Field Blank	5/8/2024	11:21	QA/QC Sample							-	24041541-095A
G102 Duplicate	5/2/2024	11:03	14.1	57.4	7.29	558.1	2.89	11.75	78.8	4.33	24041541-096A
G200 Duplicate	5/7/2024	12:53	17.3	63.1	7.19	849.7	0.13	53.10	6.4	2.90	24041541-097A
G217 Duplicate	5/2/2024	12:39	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7	13.75	24041541-098A
G301 Duplicate	5/6/2024	10:28	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8	6.18	24041541-099A
R201 Duplicate	5/7/2024	12:43	16.2	61.2	7.03	986.0	2.05	6.83	-14.0	2.59	24041541-100A
Equipment Blank 1	5/8/2024	11:35	QA/QC Sample							-	24041541-101A
G219	5/7/2024	11:10	13.9	56.9	7.17	866.6	0.45	26.09	-58.1	6.45	24041541-104A
G220	5/7/2024	12:08	15.4	59.8	6.89	1,265.9	0.64	24.62	20.7	12.10	24041541-105A

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP2D	5/8/2024	9:37	20.50	15.7	60.3	8.07	1,810.9	0.29	77.40	-191.5
AP2D	5/8/2024	9:40	20.50	15.6	60.0	8.05	1,813.6	0.22	79.44	-195.8
AP2D	5/8/2024	9:43	20.50	15.5	59.9	8.04	1,811.0	0.18	48.74	-197.9
AP2D	5/8/2024	9:46	20.50	15.5	59.9	8.02	1,806.6	0.16	41.03	-199.1
AP2D	5/8/2024	9:49	20.50	15.5	59.9	8.01	1,803.2	0.14	37.12	-199.4
AP2D	5/8/2024	9:52	20.50	15.5	59.9	8.01	1,803.0	0.12	37.82	-200.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1001	5/7/2024	9:58	5.73	15.5	59.9	6.69	1,343.3	2.41	8.20	-10.9
G1001	5/7/2024	10:01	5.73	15.6	60.1	6.74	1,165.7	2.43	6.38	-7.4
G1001	5/7/2024	10:04	5.73	15.5	60.0	6.78	1,073.6	2.56	5.18	-4.9
G1001	5/7/2024	10:07	5.73	15.6	60.1	6.80	1,038.4	2.70	4.09	-3.2
G1001	5/7/2024	10:10	5.73	16.0	60.8	6.82	1,036.5	2.81	3.53	-1.4
G1001	5/7/2024	10:13	5.73	16.9	62.4	6.81	1,042.9	2.81	3.14	1.0
G1001	5/7/2024	10:16	5.73	17.7	63.9	6.82	1,048.1	2.79	2.87	3.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1003	5/6/2024	13:18	11.16	Dry- No Sample						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G101	5/2/2024	10:10	3.90	13.8	56.8	7.37	781.8	0.46	67.82	61.2
G101	5/2/2024	10:13	3.90	13.7	56.7	7.37	782.4	0.42	63.77	58.7
G101	5/2/2024	10:16	3.90	13.7	56.7	7.37	780.9	0.38	55.09	56.7
G101	5/2/2024	10:19	3.90	13.7	56.7	7.37	781.6	0.36	55.92	55.3
G101	5/2/2024	10:22	3.90	13.8	56.8	7.37	781.9	0.34	51.61	54.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102	5/2/2024	10:45	4.33	14.4	58.0	7.29	541.8	3.49	8.29	81.3
G102	5/2/2024	10:48	4.33	14.3	57.7	7.28	533.9	3.41	8.00	78.9
G102	5/2/2024	10:51	4.33	14.3	57.8	7.28	539.0	3.25	12.29	78.0
G102	5/2/2024	10:54	4.33	14.2	57.6	7.29	544.0	3.10	15.69	77.7
G102	5/2/2024	10:57	4.33	14.2	57.5	7.28	548.5	3.03	11.60	77.9
G102	5/2/2024	11:00	4.33	14.1	57.4	7.29	553.4	2.96	9.57	78.3
G102	5/2/2024	11:03	4.33	14.1	57.4	7.29	558.1	2.89	11.75	78.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G103	5/2/2024	12:02	8.89	14.8	58.7	7.14	873.4	2.83	15.65	98.6
G103	5/2/2024	12:05	8.89	15.2	59.4	7.13	877.0	2.46	18.40	97.7
G103	5/2/2024	12:08	8.89	15.6	60.1	7.11	881.1	2.20	8.80	96.4
G103	5/2/2024	12:11	8.89	15.5	59.9	7.10	888.6	1.82	7.33	96.4
G103	5/2/2024	12:14	8.89	15.5	60.0	7.08	894.4	1.48	10.94	95.9
G103	5/2/2024	12:17	8.89	15.6	60.1	7.07	898.8	1.23	7.46	95.3
G103	5/2/2024	12:20	8.89	15.7	60.3	7.06	899.8	1.09	5.67	94.6
G103	5/2/2024	12:23	8.89	15.8	60.4	7.05	901.0	1.01	4.29	94.0
G103	5/2/2024	12:26	8.89	15.8	60.4	7.05	901.7	0.96	4.20	93.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	5/2/2024	13:21	8.23	15.4	59.7	7.23	841.9	0.49	5.18	-107.1
G105	5/2/2024	13:24	8.23	15.4	59.8	7.21	840.1	0.33	4.66	-114.9
G105	5/2/2024	13:27	8.23	15.4	59.7	7.20	834.5	0.31	4.09	-112.8
G105	5/2/2024	13:30	8.23	15.4	59.7	7.20	830.6	0.25	3.86	-111.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	5/2/2024	14:06	9.13	15.2	59.3	7.10	955.2	2.02	3.37	67.3
G106	5/2/2024	14:09	9.13	15.5	59.9	7.10	957.5	1.94	4.15	67.7
G106	5/2/2024	14:12	9.13	15.5	59.8	7.10	956.8	1.91	4.23	67.7
G106	5/2/2024	14:15	9.13	15.4	59.7	7.10	957.2	1.89	4.71	68.4

Site Sampling Event: Coffeen- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24041541**Coffeen- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G107	5/3/2024	9:11	8.61	14.6	58.2	7.34	765.5	5.12	8.84	90.4
G107	5/3/2024	9:14	8.61	15.0	58.9	7.34	765.7	5.05	9.14	85.4
G107	5/3/2024	9:17	8.61	15.2	59.4	7.33	764.1	4.99	10.02	82.0
G107	5/3/2024	9:20	8.61	15.6	60.0	7.33	763.7	5.02	10.26	80.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G108	5/1/2024	10:18	8.74	14.6	58.2	7.23	755.3	2.60	4.01	94.4
G108	5/1/2024	10:21	8.74	14.7	58.4	7.22	755.3	2.45	3.81	92.7
G108	5/1/2024	10:24	8.74	14.6	58.3	7.22	755.1	2.25	3.76	91.7
G108	5/1/2024	10:27	8.74	14.7	58.5	7.21	754.9	2.05	3.31	90.6
G108	5/1/2024	10:30	8.74	14.6	58.3	7.20	755.5	1.88	2.75	89.5
G108	5/1/2024	10:33	8.74	14.7	58.4	7.20	754.3	1.73	2.34	88.8
G108	5/1/2024	10:36	8.74	14.6	58.3	7.19	755.5	1.59	2.10	88.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	5/1/2024	9:44	8.44	13.8	56.8	7.00	960.5	0.29	46.73	99.6
G109	5/1/2024	9:47	8.44	13.8	56.9	7.00	960.5	0.25	32.53	96.3
G109	5/1/2024	9:50	8.44	13.8	56.9	7.00	960.3	0.21	29.91	94.5
G109	5/1/2024	9:53	8.44	13.9	57.0	7.01	960.2	0.18	28.90	92.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G110	4/30/2024	14:39	9.30	14.8	58.6	6.91	871.5	1.12	6.37	80.4
G110	4/30/2024	14:42	9.30	14.9	58.8	6.87	862.4	0.77	7.66	81.1
G110	4/30/2024	14:45	9.30	14.8	58.7	6.87	868.4	0.63	9.40	80.8
G110	4/30/2024	14:48	9.30	14.9	58.8	6.87	872.5	0.53	9.64	80.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	4/30/2024	14:02	9.23	15.1	59.2	7.18	904.3	2.37	4.37	63.3
G111	4/30/2024	14:05	9.23	15.0	59.0	7.16	904.1	2.07	3.69	62.3
G111	4/30/2024	14:08	9.23	15.0	58.9	7.15	903.4	2.01	4.64	62.3
G111	4/30/2024	14:11	9.23	15.0	58.9	7.15	903.8	1.89	3.31	62.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	5/1/2024	11:52	14.96	15.2	59.4	7.28	713.3	3.07	3.95	102.5
G119	5/1/2024	11:55	14.96	15.3	59.6	7.27	714.5	2.76	4.49	101.4
G119	5/1/2024	11:58	14.96	15.3	59.5	7.26	713.9	2.41	5.31	100.3
G119	5/1/2024	12:01	14.96	15.2	59.3	7.25	714.3	1.95	5.73	99.3
G119	5/1/2024	12:04	14.96	15.3	59.5	7.25	713.8	1.60	5.45	98.2
G119	5/1/2024	12:07	14.96	15.2	59.4	7.25	714.1	1.45	5.15	97.0
G119	5/1/2024	12:10	14.96	15.1	59.2	7.24	713.7	1.26	5.01	96.0
G119	5/1/2024	12:13	14.96	15.2	59.4	7.24	713.9	1.11	5.38	94.9
G119	5/1/2024	12:16	14.96	15.1	59.3	7.23	713.7	0.95	4.56	93.8
G119	5/1/2024	12:19	14.96	15.2	59.4	7.23	712.3	0.87	3.94	92.6
G119	5/1/2024	12:22	14.96	15.1	59.1	7.23	712.8	0.79	3.64	91.7

Site Sampling Event: Coffeen- 2Q24**LIMS Workorder:** 24041541**Technician(s):** DC, JC, TC, BG, PY**Groundwater Sampling Field Forms- Groundwater Quality Parameters****Coffeen- 2Q 2024**

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	5/1/2024	12:45	13.99	15.9	60.7	7.34	873.9	6.87	6.12	112.9
G120	5/1/2024	12:48	13.99	16.2	61.2	7.34	874.4	6.87	6.90	111.9
G120	5/1/2024	12:51	13.99	16.3	61.4	7.34	775.2	6.83	8.37	111.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G121	5/1/2024	13:12	13.92	15.3	59.5	7.14	966.4	5.53	7.90	121.2
G121	5/1/2024	13:15	13.92	15.1	59.1	7.14	965.3	5.48	7.47	119.7
G121	5/1/2024	13:18	13.92	15.1	59.1	7.14	965.9	5.47	6.06	118.6
G121	5/1/2024	13:21	13.92	15.2	59.3	7.13	965.7	5.45	6.66	118.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G122	5/1/2024	13:50	12.49	16.4	61.5	6.91	1,185.6	3.19	20.59	112.3
G122	5/1/2024	13:53	12.49	16.5	61.7	6.90	1,182.6	3.18	16.64	110.2
G122	5/1/2024	13:56	12.49	16.6	62.0	6.90	1,180.8	3.09	15.46	108.8
G122	5/1/2024	13:59	12.49	16.8	62.2	6.89	1,179.4	2.98	13.52	107.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G123	5/7/2024	9:43	10.84	15.6	60.1	7.07	950.0	2.29	140.85	68.5
G123	5/7/2024	9:46	10.84	15.6	60.1	7.06	952.9	2.23	120.90	69.6
G123	5/7/2024	9:49	10.84	15.6	60.0	7.05	951.8	2.07	101.83	70.0
G123	5/7/2024	9:52	10.84	15.3	59.5	7.06	947.7	1.69	75.35	69.0
G123	5/7/2024	9:55	10.84	15.4	59.6	7.05	945.0	1.61	65.21	68.5
G123	5/7/2024	9:58	10.84	15.4	59.7	7.06	946.3	1.60	66.41	68.8
G123	5/7/2024	10:01	10.84	15.4	59.7	7.06	946.0	1.55	68.00	69.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G124	5/1/2024	14:24	11.38	15.1	59.2	7.25	892.9	5.36	9.85	102.9
G124	5/1/2024	14:27	11.38	15.0	59.0	7.23	888.6	4.75	10.63	105.5
G124	5/1/2024	14:30	11.38	14.9	58.9	7.23	884.8	4.23	13.02	106.9
G124	5/1/2024	14:33	11.38	14.9	58.9	7.22	881.4	3.83	15.56	108.0
G124	5/1/2024	14:36	11.38	14.8	58.6	7.21	878.6	3.61	19.05	108.9
G124	5/1/2024	14:39	11.38	14.8	58.6	7.21	877.2	3.37	21.66	109.3
G124	5/1/2024	14:42	11.38	14.8	58.7	7.21	876.1	3.21	26.47	109.5
G124	5/1/2024	14:45	11.38	14.7	58.5	7.21	876.9	3.06	20.23	109.5
G124	5/1/2024	14:48	11.38	14.7	58.4	7.20	874.7	2.91	23.42	109.7
G124	5/1/2024	14:51	11.38	14.8	58.6	7.20	875.1	2.83	20.76	109.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	5/2/2024	9:26	11.12	14.0	57.2	7.15	915.8	0.85	5.43	38.0
G125	5/2/2024	9:29	11.12	14.0	57.2	7.19	915.7	0.65	5.12	38.3
G125	5/2/2024	9:32	11.12	14.0	57.2	7.19	916.9	0.71	14.90	39.6
G125	5/2/2024	9:35	11.12	14.0	57.3	7.19	917.7	0.65	25.63	40.4
G125	5/2/2024	9:38	11.12	13.9	57.1	7.19	918.2	0.69	23.40	39.8
G125	5/2/2024	9:41	11.12	14.0	57.1	7.19	918.2	0.68	22.75	39.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G126	5/3/2024	9:41	8.51	13.9	56.9	7.15	807.2	1.62	6.30	90.9
G126	5/3/2024	9:44	8.51	13.9	57.1	7.14	801.2	1.67	5.96	88.2
G126	5/3/2024	9:47	8.51	13.9	57.1	7.15	802.1	1.42	5.25	85.0
G126	5/3/2024	9:50	8.51	14.0	57.1	7.15	804.0	1.31	4.94	82.5
G126	5/3/2024	9:53	8.51	14.1	57.4	7.16	805.8	1.35	4.48	80.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G151	4/30/2024	10:02	10.05	15.8	60.4	7.29	902.6	3.69	20.89	133.9
G151	4/30/2024	10:05	10.05	16.1	60.9	7.29	898.5	3.76	22.10	130.6
G151	4/30/2024	10:08	10.05	16.3	61.3	7.32	899.6	3.79	23.35	126.7
G151	4/30/2024	10:11	10.05	16.7	62.1	7.33	896.6	3.73	25.19	124.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G152	5/7/2024	10:57	9.34	16.4	61.5	7.17	808.9	3.93	40.56	23.9
G152	5/7/2024	11:00	9.34	16.3	61.4	7.15	823.2	3.70	34.17	17.9
G152	5/7/2024	11:03	9.34	16.3	61.3	7.18	805.4	3.63	16.67	25.6
G152	5/7/2024	11:06	9.34	16.2	61.2	7.20	788.7	3.48	13.62	30.7
G152	5/7/2024	11:09	9.34	16.6	61.9	7.20	783.6	3.36	10.25	33.2
G152	5/7/2024	11:12	9.34	16.7	62.0	7.21	784.2	3.32	9.16	35.4
G152	5/7/2024	11:15	9.34	16.6	61.8	7.21	781.9	3.20	8.38	36.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G153	4/30/2024	12:26	10.54	15.0	59.1	6.74	4,118.5	0.47	29.42	-93.8
G153	4/30/2024	12:29	10.54	15.0	59.1	6.74	4,024.6	0.38	16.76	-83.1
G153	4/30/2024	12:32	10.54	15.0	58.9	6.74	3,971.3	0.38	13.62	-72.6
G153	4/30/2024	12:35	10.54	15.0	59.0	6.75	3,947.1	0.35	11.46	-64.2
G153	4/30/2024	12:38	10.54	15.1	59.1	6.75	3,946.3	0.33	10.76	-59.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G154	4/30/2024	11:52	6.54	14.9	58.7	7.40	658.0	2.19	27.08	112.6
G154	4/30/2024	11:55	6.54	14.8	58.7	7.40	656.7	2.12	29.29	112.9
G154	4/30/2024	11:58	6.54	14.7	58.5	7.39	656.8	2.06	30.35	113.1
G154	4/30/2024	12:01	6.54	14.9	58.8	7.39	655.4	2.02	31.93	113.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G155	4/30/2024	11:06	9.25	14.8	58.6	7.30	960.0	2.02	56.45	117.8
G155	4/30/2024	11:09	9.25	14.7	58.5	7.29	960.9	1.70	51.85	117.2
G155	4/30/2024	11:12	9.25	14.8	58.6	7.29	959.3	1.50	48.49	116.4
G155	4/30/2024	11:15	9.25	14.8	58.7	7.28	959.5	1.35	45.28	115.5
G155	4/30/2024	11:18	9.25	14.8	58.7	7.28	959.4	1.24	46.25	114.8
G155	4/30/2024	11:21	9.25	14.8	58.6	7.27	960.1	1.11	45.64	114.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200	5/7/2024	12:29	2.90	16.6	61.9	7.20	848.9	0.91	20.80	29.5
G200	5/7/2024	12:32	2.90	16.7	62.1	7.19	847.2	0.55	30.37	24.3
G200	5/7/2024	12:35	2.90	16.5	61.7	7.19	846.9	0.41	84.52	20.5
G200	5/7/2024	12:38	2.90	16.7	62.0	7.18	849.0	0.31	86.74	17.6
G200	5/7/2024	12:41	2.90	16.6	62.0	7.19	849.0	0.25	74.88	14.2
G200	5/7/2024	12:44	2.90	16.8	62.2	7.19	848.9	0.20	63.14	11.6
G200	5/7/2024	12:47	2.90	17.1	62.8	7.19	849.3	0.17	57.50	11.4
G200	5/7/2024	12:50	2.90	17.0	62.6	7.19	849.2	0.15	58.08	8.3
G200	5/7/2024	12:53	2.90	17.3	63.1	7.19	849.7	0.13	53.10	6.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206	4/30/2024	10:45	9.69	15.1	59.1	7.13	844.7	1.68	25.99	-23.9
G206	4/30/2024	10:48	9.69	15.1	59.2	7.13	647.9	1.69	17.49	-30.8
G206	4/30/2024	10:51	9.69	15.1	59.1	7.12	853.2	1.63	12.85	-34.4
G206	4/30/2024	10:54	9.69	15.1	59.2	7.12	855.5	1.63	12.24	-36.4
G206	4/30/2024	10:57	9.69	15.1	59.2	7.12	858.5	1.71	12.71	-37.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206D	4/30/2024	9:52	29.57	15.5	59.9	7.08	976.0	1.68	9.04	-11.9
G206D	4/30/2024	9:55	29.57	15.8	60.4	7.13	978.6	1.12	37.81	-51.3
G206D	4/30/2024	9:58	29.57	15.8	60.4	7.18	981.1	0.96	43.31	-73.1
G206D	4/30/2024	10:01	29.57	15.7	60.3	7.22	980.6	1.17	36.28	-88.2
G206D	4/30/2024	10:04	29.57	15.7	60.2	7.23	979.8	0.84	63.48	-94.2
G206D	4/30/2024	10:07	29.57	15.7	60.2	7.23	979.1	0.77	71.22	-97.2
G206D	4/30/2024	10:10	29.57	15.7	60.3	7.24	977.8	0.74	50.88	-99.4
G206D	4/30/2024	10:13	29.57	15.7	60.3	7.24	976.9	0.71	65.26	-100.8
G206D	4/30/2024	10:16	29.57	15.8	60.4	7.24	976.2	0.69	125.52	-102.2
G206D	4/30/2024	10:19	29.57	16.1	61.0	7.25	974.4	0.68	24.94	-103.6
G206D	4/30/2024	10:22	29.57	16.5	61.6	7.25	977.0	0.70	23.62	-103.9
G206D	4/30/2024	10:25	29.57	16.5	61.7	7.25	976.7	0.70	22.97	-103.7
G206D	4/30/2024	10:28	29.57	15.9	60.6	7.26	981.7	0.71	13.00	-104.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G207	5/7/2024	11:37	10.25	17.4	63.2	7.27	636.8	3.03	3.09	75.7
G207	5/7/2024	11:40	10.25	16.7	62.1	7.27	636.7	2.82	2.33	77.1
G207	5/7/2024	11:43	10.25	16.8	62.2	7.26	634.4	2.66	2.10	78.3
G207	5/7/2024	11:46	10.25	17.1	62.8	7.26	635.9	2.60	2.00	78.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	4/30/2024	11:18	10.36	15.5	60.0	7.35	546.8	5.05	4.02	56.7
G208	4/30/2024	11:21	10.36	15.3	59.6	7.34	547.0	4.87	3.94	62.7
G208	4/30/2024	11:24	10.36	15.4	59.7	7.33	546.1	4.78	4.94	68.0
G208	4/30/2024	11:27	10.36	15.4	59.8	7.33	545.7	4.69	6.43	72.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G209	5/1/2024	11:43	9.64	15.6	60.0	7.02	1,189.9	1.96	34.10	-11.9
G209	5/1/2024	11:46	9.64	15.6	60.1	6.95	1,195.2	1.27	21.88	-25.0
G209	5/1/2024	11:49	9.64	15.5	59.9	6.94	1,195.6	1.04	20.26	-29.1
G209	5/1/2024	11:52	9.64	15.5	59.8	6.94	1,196.3	0.94	18.23	-30.9
G209	5/1/2024	11:55	9.64	15.7	60.2	6.93	1,195.8	0.86	18.21	-32.3
G209	5/1/2024	11:58	9.64	Tubing Disconnected from Flow cell; readings invalid						
G209	5/1/2024	12:01	9.64							
G209	5/1/2024	12:04	9.64							
G209	5/1/2024	12:07	9.64							
G209	5/1/2024	12:10	9.64	14.2	57.5	7.44	1,602.1	1.26	12.40	49.4
G209	5/1/2024	12:13	9.64	14.0	57.2	7.06	1,511.5	1.17	18.29	-12.5
G209	5/1/2024	12:16	9.64	13.9	57.1	7.01	1,535.6	0.87	10.85	-6.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G210	5/1/2024	11:00	9.90	14.6	58.4	7.22	886.9	1.61	11.35	133.1
G210	5/1/2024	11:03	9.90	14.7	58.4	7.21	889.4	1.28	13.36	139.2
G210	5/1/2024	11:06	9.90	14.8	58.6	7.21	889.9	1.14	16.54	142.3
G210	5/1/2024	11:09	9.90	14.7	58.5	7.21	889.7	1.05	19.04	144.1
G210	5/1/2024	11:12	9.90	14.8	58.6	7.21	888.9	0.97	22.08	145.2
G210	5/1/2024	11:15	9.90	14.8	58.7	7.20	888.4	0.91	25.44	145.8
G210	5/1/2024	11:18	9.90	14.8	58.7	7.21	888.0	0.88	29.48	145.9
G210	5/1/2024	11:21	9.90	14.9	58.8	7.20	887.4	0.85	32.07	146.0
G210	5/1/2024	11:24	9.90	14.9	58.7	7.21	887.3	0.81	34.15	145.9
G210	5/1/2024	11:27	9.90	14.8	58.7	7.21	886.3	0.79	37.29	145.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	5/1/2024	10:16	9.85	15.2	59.4	7.33	780.5	2.11	37.54	152.7
G211	5/1/2024	10:19	9.85	15.2	59.4	7.33	781.1	2.02	34.79	152.1
G211	5/1/2024	10:22	9.85	15.3	59.5	7.32	780.3	1.96	28.54	151.8
G211	5/1/2024	10:25	9.85	15.3	59.5	7.32	780.3	1.90	28.79	151.5
G211	5/1/2024	10:28	9.85	15.4	59.6	7.32	780.5	1.86	27.16	151.2
G211	5/1/2024	10:31	9.85	15.3	59.6	7.32	780.6	1.81	25.46	151.0
G211	5/1/2024	10:34	9.85	15.4	59.6	7.32	781.2	1.76	26.00	150.7
G211	5/1/2024	10:37	9.85	15.4	59.7	7.31	780.8	1.73	26.06	150.5
G211	5/1/2024	10:40	9.85	15.4	59.8	7.31	781.6	1.68	28.87	150.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G212	5/1/2024	9:43	10.30	14.3	57.7	7.18	677.4	1.65	4.68	137.7
G212	5/1/2024	9:46	10.30	14.4	57.9	7.18	679.4	1.38	4.54	135.4
G212	5/1/2024	9:49	10.30	14.5	58.1	7.18	680.0	1.30	4.58	133.7
G212	5/1/2024	9:52	10.30	14.6	58.2	7.19	681.3	1.24	4.65	132.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G213	5/6/2024	14:10	10.98	15.2	59.3	7.15	671.8	0.91	66.30	62.2
G213	5/6/2024	14:13	10.98	15.3	59.5	7.15	671.1	0.91	57.52	62.0
G213	5/6/2024	14:16	10.98	15.2	59.4	7.15	669.8	0.91	46.70	62.0
G213	5/6/2024	14:19	10.98	15.2	59.4	7.14	670.2	0.90	41.87	62.3
G213	5/6/2024	14:22	10.98	15.4	59.7	7.14	667.0	0.90	37.79	62.4
G213	5/6/2024	14:25	10.98	15.6	60.0	7.14	669.1	0.89	35.66	62.8
G213	5/6/2024	14:28	10.98	15.4	59.8	7.14	668.3	0.90	31.60	63.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G214	4/30/2024	13:56	13.98	14.9	58.8	7.17	951.6	3.17	12.84	78.2
G214	4/30/2024	13:59	13.98	14.8	58.7	7.14	954.1	2.78	19.54	78.2
G214	4/30/2024	14:02	13.98	14.8	58.7	7.11	957.0	2.33	23.06	78.2
G214	4/30/2024	14:05	13.98	14.9	58.8	7.10	959.9	2.05	37.06	78.3
G214	4/30/2024	14:08	13.98	14.7	58.5	7.09	960.1	1.79	46.88	78.2
G214	4/30/2024	14:11	13.98	14.8	58.6	7.09	961.6	1.64	51.15	78.3
G214	4/30/2024	14:14	13.98	14.8	58.7	7.08	962.0	1.54	54.01	78.7
G214	4/30/2024	14:17	13.98	14.8	58.6	7.08	962.9	1.41	56.68	78.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G215	4/30/2024	12:43	13.89	15.0	58.9	6.87	1,917.5	0.84	41.92	4.0
G215	4/30/2024	12:46	13.89	15.0	58.9	6.87	1,917.1	0.80	37.16	0.4
G215	4/30/2024	12:49	13.89	14.9	58.9	6.87	1,914.7	0.77	34.17	-1.4
G215	4/30/2024	12:52	13.89	15.0	59.0	6.86	1,914.2	0.75	34.60	-2.8
G215	4/30/2024	12:55	13.89	15.0	59.0	6.86	1,914.1	0.74	51.30	-3.9
G215	4/30/2024	12:58	13.89	15.0	59.1	6.86	1,912.4	0.72	22.85	-4.6
G215	4/30/2024	13:01	13.89	14.8	58.7	6.87	1,912.6	0.72	26.90	-5.3
G215	4/30/2024	13:04	13.89	14.9	58.9	6.86	1,911.3	0.71	36.25	-5.7
G215	4/30/2024	13:07	13.89	15.1	59.2	6.86	1,910.1	0.71	47.29	-6.3
G215	4/30/2024	13:10	13.89	15.1	59.2	6.86	1,911.1	0.70	14.69	-6.8
G215	4/30/2024	13:13	13.89	15.1	59.2	6.86	1,909.3	0.70	14.10	-7.2
G215	4/30/2024	13:16	13.89	15.1	59.2	6.87	1,908.6	0.70	17.96	-7.5
G215	4/30/2024	13:19	13.89	15.1	59.2	6.87	1,908.7	0.69	10.28	-7.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G216	4/30/2024	12:02	13.22	15.8	60.4	6.91	2,081.7	2.24	89.75	-39.9
G216	4/30/2024	12:05	13.22	15.7	60.3	6.91	2,083.2	2.26	73.60	-38.5
G216	4/30/2024	12:08	13.22	15.7	60.3	6.91	2,083.1	2.31	65.96	-37.7
G216	4/30/2024	12:11	13.22	15.8	60.5	6.92	2,082.2	2.37	61.79	-37.2
G216	4/30/2024	12:14	13.22	15.8	60.5	6.92	2,082.7	2.51	61.15	-36.6
G216	4/30/2024	12:17	13.22	15.8	60.5	6.93	2,082.9	2.55	57.33	-36.1
G216	4/30/2024	12:20	13.22	15.8	60.5	6.93	2,081.6	2.60	56.89	-35.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217	5/2/2024	12:24	13.75	15.6	60.0	6.89	1,552.2	0.85	78.38	10.9
G217	5/2/2024	12:27	13.75	15.5	59.9	6.89	1,555.1	0.83	92.93	11.2
G217	5/2/2024	12:30	13.75	15.4	59.8	6.88	1,558.7	0.82	6.39	11.5
G217	5/2/2024	12:33	13.75	15.5	59.9	6.88	1,557.9	0.80	10.99	11.7
G217	5/2/2024	12:36	13.75	15.5	59.8	6.88	1,560.8	0.78	4.73	12.3
G217	5/2/2024	12:39	13.75	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	5/2/2024	11:20	12.93	15.5	59.9	6.90	1,530.4	0.78	74.04	-15.3
G218	5/2/2024	11:23	12.93	15.5	60.0	6.90	1,528.1	0.75	56.89	-16.1
G218	5/2/2024	11:26	12.93	15.6	60.1	6.90	1,527.2	0.72	65.16	-17.3
G218	5/2/2024	11:29	12.93	15.5	59.9	6.90	1,526.4	0.71	63.35	-18.1
G218	5/2/2024	11:32	12.93	15.6	60.1	6.90	1,525.7	0.68	47.05	-18.8
G218	5/2/2024	11:35	12.93	15.6	60.1	6.90	1,525.7	0.67	50.14	-19.4
G218	5/2/2024	11:38	12.93	15.7	60.2	6.90	1,524.9	0.66	29.11	-20.0
G218	5/2/2024	11:41	12.93	15.7	60.3	6.90	1,523.5	0.65	26.15	-20.4
G218	5/2/2024	11:44	12.93	15.7	60.2	6.90	1,523.9	0.65	29.00	-20.9
G218	5/2/2024	11:47	12.93	15.7	60.2	6.90	1,522.4	0.63	25.80	-21.4

Site Sampling Event: Coffeen- 2Q24**LIMS Workorder:** 24041541**Technician(s):** DC, JC, TC, BG, PY**Groundwater Sampling Field Forms- Groundwater Quality Parameters****Coffeen- 2Q 2024**

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G270	5/8/2024	9:31	1.94	14.5	58.1	7.17	688.9	2.81	4.78	49.0
G270	5/8/2024	9:34	1.94	14.3	57.8	7.14	688.9	2.41	2.22	58.8
G270	5/8/2024	9:37	1.94	14.2	57.5	7.13	688.3	2.06	1.57	60.3
G270	5/8/2024	9:40	1.94	14.0	57.2	7.11	688.1	1.83	1.26	55.0

Site Sampling Event: Coffeen- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24041541**Coffeen- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G271	5/1/2024	13:28	8.40	13.4	56.2	7.26	945.4	5.00	2.15	114.5
G271	5/1/2024	13:31	8.40	13.7	56.7	7.23	950.5	4.78	3.88	114.7
G271	5/1/2024	13:34	8.40	14.2	57.5	7.10	1,022.0	2.87	3.88	115.0
G271	5/1/2024	13:37	8.40	14.2	57.6	7.06	1,076.4	1.22	4.33	112.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G272	5/1/2024	12:55	8.80	15.0	59.0	7.15	1,289.5	3.39	15.96	78.1
G272	5/1/2024	12:58	8.80	15.0	59.0	7.14	1,309.1	2.95	11.11	82.0
G272	5/1/2024	13:01	8.80	14.9	58.8	7.13	1,322.5	2.67	6.86	85.1
G272	5/1/2024	13:04	8.80	14.9	58.8	7.13	1,332.5	2.53	5.68	87.8
G272	5/1/2024	13:07	8.80	14.9	58.9	7.13	1,334.8	2.44	5.70	90.3
G272	5/1/2024	13:10	8.80	14.8	58.6	7.13	1,339.7	2.43	5.67	92.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273	5/1/2024	12:18	8.65	13.9	57.1	6.99	1,546.9	0.80	7.30	-1.7
G273	5/1/2024	12:21	8.65	13.9	57.0	6.98	1,557.4	0.74	5.09	5.3
G273	5/1/2024	12:24	8.65	13.9	57.0	6.97	1,563.5	0.70	3.97	12.2
G273	5/1/2024	12:27	8.65	13.9	57.0	6.97	1,567.7	0.68	3.32	18.6
G273	5/1/2024	12:30	8.65	13.9	57.0	6.97	1,570.3	0.66	3.02	24.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G274	5/1/2024	14:03	12.38	14.8	58.6	7.12	874.6	3.19	21.92	34.3
G274	5/1/2024	14:06	12.38	14.8	58.6	7.12	859.1	3.36	19.11	34.9
G274	5/1/2024	14:09	12.38	14.6	58.4	7.12	857.6	3.37	12.75	37.3
G274	5/1/2024	14:12	12.38	14.7	58.5	7.11	874.3	3.24	8.75	41.2
G274	5/1/2024	14:12	12.38	14.7	58.5	7.11	874.2	3.23	8.65	41.3
G274	5/1/2024	14:15	12.38	14.7	58.5	7.11	901.2	2.98	7.25	45.0
G274	5/1/2024	14:18	12.38	14.6	58.3	7.10	926.8	2.73	5.92	50.0
G274	5/1/2024	14:21	12.38	14.7	58.4	7.09	951.2	2.50	4.65	54.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275	5/2/2024	10:21	12.64	16.2	61.1	6.93	1,025.3	5.16	18.42	53.7
G275	5/2/2024	10:24	12.64	16.4	61.5	6.93	1,027.4	5.08	17.83	58.0
G275	5/2/2024	10:27	12.64	16.4	61.5	6.93	1,025.5	5.06	17.38	62.2
G275	5/2/2024	10:30	12.64	16.3	61.3	6.93	1,026.0	5.03	18.60	66.2
G275	5/2/2024	10:33	12.64	16.4	61.5	6.93	1,027.0	4.95	19.58	70.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275D	5/2/2024	9:37	46.64	17.4	63.3	7.19	1,495.3	0.73	35.49	-113.3
G275D	5/2/2024	9:40	46.64	17.5	63.5	7.20	1,496.8	0.70	47.86	-114.7
G275D	5/2/2024	9:43	46.64	17.6	63.6	7.20	1,497.8	0.66	54.46	-114.4
G275D	5/2/2024	9:46	46.64	17.5	63.4	7.21	1,500.4	0.64	62.66	-112.4
G275D	5/2/2024	9:49	46.64	17.5	63.5	7.22	1,501.5	0.62	69.36	-109.9
G275D	5/2/2024	9:52	46.64	17.5	63.5	7.22	1,502.7	0.60	68.93	-107.4
G275D	5/2/2024	9:55	46.64	17.6	63.6	7.23	1,504.1	0.59	65.97	-106.2
G275D	5/2/2024	9:58	46.64	17.7	63.8	7.23	1,503.7	0.58	64.88	-105.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G276	5/7/2024	11:24	26.70	17.9	64.3	6.91	1,214.2	5.47	18.12	55.1
G276	5/7/2024	11:27	26.70	18.0	64.4	6.90	1,207.2	5.40	21.11	55.6
G276	5/7/2024	11:30	26.70	18.3	64.9	6.88	1,211.6	5.31	20.95	56.0
G276	5/7/2024	11:33	26.70	18.5	65.4	6.87	1,211.3	5.25	16.29	56.5
G276	5/7/2024	11:36	26.70	18.5	65.4	6.86	1,215.1	5.17	44.11	57.4
G276	5/7/2024	11:39	26.70	18.0	64.4	6.85	1,219.2	5.18	11.72	58.3
G276	5/7/2024	11:42	26.70	17.9	64.1	6.84	1,214.0	5.17	9.19	59.3
G276	5/7/2024	11:45	26.70	18.1	64.6	6.83	1,214.5	5.02	10.30	59.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G277	5/7/2024	9:25	19.56	14.3	57.8	6.90	1,656.8	5.41	14.70	119.7
G277	5/7/2024	9:28	19.56	14.6	58.3	6.90	1,698.7	5.08	12.17	116.4
G277	5/7/2024	9:31	19.56	14.8	58.6	6.89	1,743.1	4.93	7.52	114.0
G277	5/7/2024	9:34	19.56	15.0	59.0	6.88	1,794.4	4.66	6.12	111.7
G277	5/7/2024	9:37	19.56	15.2	59.3	6.88	1,813.9	4.53	6.49	109.2
G277	5/7/2024	9:40	19.56	15.4	59.7	6.88	1,825.5	4.56	4.28	107.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G278	5/7/2024	12:55	23.97	17.8	64.0	6.75	2,776.6	2.80	15.65	77.7
G278	5/7/2024	12:58	23.97	17.9	64.2	6.76	2,245.9	3.11	9.66	74.3
G278	5/7/2024	13:01	23.97	17.8	64.0	6.75	2,125.3	3.28	4.25	74.3
G278	5/7/2024	13:04	23.97	17.6	63.7	6.73	2,190.7	3.23	4.11	75.3
G278	5/7/2024	13:07	23.97	17.6	63.7	6.72	2,277.2	2.99	5.58	76.4
G278	5/7/2024	13:10	23.97	18.2	64.7	6.70	2,401.0	2.79	3.97	77.2
G278	5/7/2024	13:13	23.97	18.0	64.4	6.68	2,540.5	2.54	43.56	78.2
G278	5/7/2024	13:16	23.97	18.3	64.9	6.67	2,615.2	2.33	40.39	78.5
G278	5/7/2024	13:19	23.97	19.4	66.9	6.67	2,652.6	2.31	2.09	77.7
G278	5/7/2024	13:22	23.97	19.6	67.2	6.67	2,692.5	2.28	36.33	77.4
G278	5/7/2024	13:25	23.97	19.4	66.9	6.67	2,742.9	2.11	2.51	78.0
G278	5/7/2024	13:28	23.97	19.8	67.6	6.67	2,768.5	2.07	2.02	78.3
G278	5/7/2024	13:31	23.97	19.7	67.5	6.68	2,756.8	2.06	1.95	78.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G279	5/3/2024	9:25	21.98	16.2	61.2	6.87	1,947.1	4.85	2.25	105.4
G279	5/3/2024	9:28	21.98	16.6	61.8	6.85	2,095.9	4.63	2.10	111.1
G279	5/3/2024	9:31	21.98	16.7	62.0	6.82	2,406.4	3.85	2.04	115.9
G279	5/3/2024	9:34	21.98	16.7	62.0	6.80	2,552.1	3.06	2.04	118.7
G279	5/3/2024	9:37	21.98	16.7	62.0	6.80	2,567.9	2.67	1.95	120.3
G279	5/3/2024	9:40	21.98	16.6	61.9	6.81	2,556.4	2.58	1.92	122.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G280	5/6/2024	13:49	3.86	14.2	57.6	7.32	832.2	0.49	68.90	73.7
G280	5/6/2024	13:52	3.86	13.9	57.0	7.31	830.9	0.38	39.17	73.4
G280	5/6/2024	13:55	3.86	13.9	57.0	7.31	830.8	0.31	31.92	73.0
G280	5/6/2024	13:58	3.86	13.8	56.8	7.31	831.2	0.26	25.82	72.5
G280	5/6/2024	14:01	3.86	13.8	56.8	7.31	832.2	0.23	22.57	72.1
G280	5/6/2024	14:04	3.86	13.8	56.8	7.30	833.2	0.21	19.60	71.8
G280	5/6/2024	14:07	3.86	13.7	56.7	7.31	833.7	0.19	18.68	71.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G281	5/3/2024	10:18	4.24	13.8	56.8	6.95	1,326.3	0.19	72.31	96.1
G281	5/3/2024	10:21	4.24	13.8	56.8	6.95	1,326.5	0.17	60.36	94.2
G281	5/3/2024	10:24	4.24	13.7	56.7	6.96	1,328.7	0.16	62.61	92.5
G281	5/3/2024	10:27	4.24	13.7	56.7	6.96	1,327.1	0.15	62.55	91.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G283	5/6/2024	10:35	4.18	12.7	54.9	7.05	1,196.6	0.77	21.74	-71.5
G283	5/6/2024	10:38	4.18	12.8	55.0	7.05	1,196.3	0.76	12.78	-71.8
G283	5/6/2024	10:41	4.18	12.8	55.0	7.05	1,197.2	0.74	12.12	-72.2
G283	5/6/2024	10:44	4.18	12.8	55.0	7.05	1,197.2	0.73	8.68	-72.6
G283	5/6/2024	10:47	4.18	12.8	55.0	7.05	1,197.1	0.72	6.43	-72.8
G283	5/6/2024	10:50	4.18	12.8	55.0	7.05	1,197.2	0.70	5.19	-73.1
G283	5/6/2024	10:53	4.18	12.7	54.9	7.05	1,197.4	0.70	4.90	-73.3
G283	5/6/2024	10:56	4.18	12.7	54.9	7.05	1,196.7	0.69	4.92	-73.3
G283	5/6/2024	10:59	4.18	13.1	55.5	7.05	1,192.3	0.69	6.54	-73.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G284	5/6/2024	11:18	10.00	12.6	54.6	7.30	660.3	5.33	3.10	41.6
G284	5/6/2024	11:21	10.00	12.6	54.7	7.27	683.1	4.49	2.50	44.1
G284	5/6/2024	11:24	10.00	12.6	54.8	7.25	696.5	3.98	2.28	45.7
G284	5/6/2024	11:27	10.00	12.6	54.8	7.23	703.6	3.64	1.61	47.0
G284	5/6/2024	11:30	10.00	12.6	54.6	7.22	710.4	3.29	0.86	48.4
G284	5/6/2024	11:33	10.00	12.6	54.6	7.20	713.8	3.09	0.72	50.1
G284	5/6/2024	11:36	10.00	12.5	54.5	7.20	717.2	2.89	0.75	52.0

Site Sampling Event: Coffeen- 2Q24**LIMS Workorder:** 24041541**Technician(s):** DC, JC, TC, BG, PY**Groundwater Sampling Field Forms- Groundwater Quality Parameters****Coffeen- 2Q 2024**

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G285	5/6/2024	12:13	4.80	13.1	55.7	6.70	2,001.4	0.69	8.52	79.5
G285	5/6/2024	12:16	4.80	13.1	55.7	6.70	2,001.0	0.68	8.69	79.4
G285	5/6/2024	12:19	4.80	13.1	55.7	6.70	2,001.4	0.67	9.57	79.2
G285	5/6/2024	12:22	4.80	13.1	55.5	6.70	2,003.8	0.66	7.80	79.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301	5/6/2024	10:10	6.18	14.1	57.4	6.32	1,086.9	1.15	4.32	-53.2
G301	5/6/2024	10:13	6.18	14.1	57.3	6.26	1,081.2	0.97	4.69	-49.0
G301	5/6/2024	10:16	6.18	14.1	57.4	6.24	1,076.6	0.86	4.97	-47.2
G301	5/6/2024	10:19	6.18	14.2	57.5	6.24	1,074.9	0.80	4.36	-45.6
G301	5/6/2024	10:22	6.18	14.2	57.6	6.25	1,072.3	0.75	3.81	-43.5
G301	5/6/2024	10:25	6.18	14.2	57.6	6.25	1,071.4	0.71	4.04	-41.4
G301	5/6/2024	10:28	6.18	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G302	5/6/2024	11:30	5.52	14.1	57.4	6.60	1,588.2	1.73	9.81	-109.8
G302	5/6/2024	11:33	5.52	14.0	57.1	6.55	1,588.1	1.33	6.96	-103.8
G302	5/6/2024	11:36	5.52	13.9	57.1	6.52	1,587.2	1.15	7.33	-97.1
G302	5/6/2024	11:39	5.52	13.9	57.0	6.51	1,585.3	1.02	8.32	-91.5
G302	5/6/2024	11:42	5.52	13.9	57.0	6.50	1,584.9	0.94	9.87	-86.8
G302	5/6/2024	11:45	5.52	13.9	57.0	6.49	1,585.6	0.87	5.16	-83.2
G302	5/6/2024	11:48	5.52	13.8	56.9	6.49	1,584.5	0.92	4.65	-79.3
G302	5/6/2024	11:51	5.52	13.9	57.0	6.49	1,583.2	0.85	2.84	-76.5
G302	5/6/2024	11:54	5.52	13.9	57.0	6.49	1,581.9	0.86	3.24	-73.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G303	5/1/2024	10:31	3.69	14.8	58.6	6.68	1,896.3	1.80	8.35	-28.0
G303	5/1/2024	10:34	3.69	14.4	58.0	6.69	1,868.5	1.74	34.51	-29.6
G303	5/1/2024	10:37	3.69	14.4	57.9	6.68	1,858.6	1.55	78.58	-29.8
G303	5/1/2024	10:40	3.69	14.4	57.9	6.68	1,857.4	1.49	52.98	-29.4
G303	5/1/2024	10:43	3.69	14.4	57.8	6.68	1,854.8	1.35	52.80	-28.8
G303	5/1/2024	10:46	3.69	14.4	57.9	6.68	1,853.5	1.27	35.38	-28.0
G303	5/1/2024	10:49	3.69	14.4	57.8	6.69	1,855.9	1.22	71.31	-27.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G305	5/1/2024	14:20	6.04	14.8	58.6	7.16	1,621.4	2.56	9.48	60.4
G305	5/1/2024	14:23	6.04	14.7	58.5	7.14	1,619.6	2.18	9.93	57.8
G305	5/1/2024	14:26	6.04	14.6	58.3	7.13	1,618.2	1.99	27.04	56.7
G305	5/1/2024	14:29	6.04	14.6	58.4	7.12	1,615.8	1.72	28.91	56.4
G305	5/1/2024	14:32	6.04	14.6	58.3	7.11	1,617.5	1.62	97.68	56.3
G305	5/1/2024	14:35	6.04	14.6	58.2	7.10	1,617.3	1.54	7.08	56.0
G305	5/1/2024	14:38	6.04	14.6	58.3	7.10	1,616.5	1.33	20.43	55.8
G305	5/1/2024	14:41	6.04	14.6	58.2	7.09	1,617.6	1.22	11.25	55.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G306	5/1/2024	13:23	5.42	13.7	56.7	6.47	685.7	4.96	74.85	70.1
G306	5/1/2024	13:26	5.42	13.7	56.6	6.47	684.4	4.92	70.65	71.4
G306	5/1/2024	13:29	5.42	13.7	56.6	6.47	687.7	4.87	68.56	72.3
G306	5/1/2024	13:32	5.42	13.7	56.7	6.46	685.5	4.93	60.49	73.4
G306	5/1/2024	13:35	5.42	13.7	56.6	6.45	684.3	4.76	51.53	74.3
G306	5/1/2024	13:38	5.42	13.7	56.6	6.44	683.6	4.65	43.51	75.2
G306	5/1/2024	13:41	5.42	13.7	56.6	6.43	682.3	4.54	40.27	76.2
G306	5/1/2024	13:44	5.42	13.7	56.6	6.43	681.5	4.48	38.11	77.0
G306	5/1/2024	13:47	5.42	13.7	56.7	6.42	682.5	4.40	36.14	77.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307	5/2/2024	14:08	0.00	21.3	70.3	7.04	1,117.8	2.56	136.14	-4.8
G307	5/2/2024	14:11	0.00	21.5	70.7	7.04	1,122.3	2.49	128.55	-3.3
G307	5/2/2024	14:14	0.00	21.6	70.8	7.04	1,122.1	2.44	123.17	-1.5
G307	5/2/2024	14:17	0.00	22.0	71.7	7.04	1,120.4	2.36	118.54	-0.1
G307	5/2/2024	14:20	0.00	22.2	72.0	7.03	1,124.4	2.35	108.36	1.4
G307	5/2/2024	14:23	0.00	22.2	71.9	7.04	1,122.6	2.28	98.80	2.9
G307	5/2/2024	14:26	0.00	21.9	71.5	7.04	1,123.4	2.25	89.28	4.4
G307	5/2/2024	14:29	0.00	22.1	71.8	7.03	1,119.8	2.15	85.22	5.6
G307	5/2/2024	14:32	0.00	22.3	72.2	7.03	1,121.1	2.14	75.20	6.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307D	5/2/2024	11:23	2.83	15.9	60.7	7.18	1,270.8	1.42	33.69	-53.7
G307D	5/2/2024	11:26	2.83	16.1	60.9	7.20	1,242.9	1.73	27.95	-55.0
G307D	5/2/2024	11:29	2.83	16.1	60.9	7.21	1,216.7	2.37	26.36	-49.9
G307D	5/2/2024	11:32	2.83	16.5	61.7	7.19	1,203.6	2.79	27.97	-43.5
G307D	5/2/2024	11:35	2.83	16.8	62.2	7.18	1,201.0	3.01	30.22	-38.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G308	5/2/2024	12:38	4.12	14.1	57.4	7.20	1,697.8	1.06	4.14	63.4
G308	5/2/2024	12:41	4.12	14.2	57.5	7.18	1,698.3	0.92	3.55	61.2
G308	5/2/2024	12:44	4.12	14.1	57.3	7.16	1,700.9	0.84	2.93	59.5
G308	5/2/2024	12:47	4.12	14.0	57.2	7.15	1,698.7	0.78	2.63	58.0
G308	5/2/2024	12:50	4.12	14.0	57.2	7.14	1,697.1	0.74	2.36	56.8
G308	5/2/2024	12:53	4.12	14.1	57.3	7.14	1,694.9	0.71	2.40	55.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G310	5/3/2024	9:34	7.23	13.3	56.0	6.79	1,202.0	1.27	4.29	31.3
G310	5/3/2024	9:37	7.23	13.3	55.9	6.76	1,198.4	1.04	3.98	30.6
G310	5/3/2024	9:40	7.23	13.3	55.9	6.74	1,197.2	0.92	3.63	30.4
G310	5/3/2024	9:43	7.23	13.3	55.9	6.74	1,196.5	0.84	3.14	30.6
G310	5/3/2024	9:46	7.23	13.3	55.9	6.74	1,196.5	0.79	2.42	30.8
G310	5/3/2024	9:49	7.23	13.3	55.9	6.74	1,196.0	0.75	2.23	31.1
G310	5/3/2024	9:52	7.23	13.3	55.9	6.74	1,197.2	0.71	2.19	31.5
G310	5/3/2024	9:55	7.23	13.4	56.0	6.74	1,197.6	0.69	2.02	31.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G312	5/6/2024	12:56	10.18	13.8	56.9	6.13	1,816.5	1.19	2.73	22.0
G312	5/6/2024	12:59	10.18	13.7	56.7	6.13	1,881.6	1.07	4.66	19.5
G312	5/6/2024	13:02	10.18	13.7	56.7	6.14	1,941.6	0.98	2.57	18.6
G312	5/6/2024	13:05	10.18	13.7	56.6	6.14	1,990.6	0.92	2.14	18.9
G312	5/6/2024	13:08	10.18	13.6	56.5	6.15	2,030.0	0.88	2.81	21.3
G312	5/6/2024	13:11	10.18	13.6	56.5	6.15	2,072.3	0.83	4.80	24.1
G312	5/6/2024	13:14	10.18	13.7	56.6	6.15	2,094.7	0.80	13.46	26.7
G312	5/6/2024	13:17	10.18	13.7	56.6	6.15	2,113.1	0.78	11.32	28.9
G312	5/6/2024	13:20	10.18	13.7	56.7	6.15	2,125.4	0.75	4.91	30.8
G312	5/6/2024	13:23	10.18	13.7	56.7	6.15	2,137.5	0.73	3.08	32.4
G312	5/6/2024	13:26	10.18	13.8	56.8	6.16	2,149.1	0.71	4.09	33.9
G312	5/6/2024	13:29	10.18	13.8	56.8	6.16	2,159.1	0.69	3.61	35.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G313	5/1/2024	11:58	3.01	14.2	57.6	6.82	1,715.6	1.09	12.19	59.1
G313	5/1/2024	12:01	3.01	14.3	57.7	6.81	1,715.3	0.93	16.53	56.8
G313	5/1/2024	12:04	3.01	14.2	57.6	6.81	1,720.3	0.83	16.15	55.0
G313	5/1/2024	12:07	3.01	14.1	57.4	6.81	1,721.8	0.77	20.52	53.3
G313	5/1/2024	12:10	3.01	14.1	57.4	6.81	1,720.8	0.72	25.27	52.0
G313	5/1/2024	12:13	3.01	14.1	57.3	6.81	1,720.9	0.69	31.82	51.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314	4/30/2024	13:49	5.48	13.7	56.6	6.59	3,492.4	0.92	20.65	-6.7
G314	4/30/2024	13:52	5.48	13.7	56.7	6.58	3,496.5	0.82	34.63	-5.7
G314	4/30/2024	13:55	5.48	13.6	56.6	6.58	3,488.8	0.76	88.76	-5.1
G314	4/30/2024	13:58	5.48	13.8	56.8	6.57	3,495.2	0.72	164.74	-5.2
G314	4/30/2024	14:01	5.48	13.7	56.7	6.57	3,499.7	0.68	184.89	-5.3
G314	4/30/2024	14:04	5.48	13.6	56.5	6.57	3,498.2	0.66	212.75	-5.4
G314	4/30/2024	14:07	5.48	13.8	56.8	6.57	3,494.3	0.64	6.57	-5.7
G314	4/30/2024	14:10	5.48	13.8	56.8	6.56	3,493.0	0.62	11.74	-5.9
G314	4/30/2024	14:13	5.48	13.7	56.6	6.56	3,483.8	0.61	16.21	-6.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314D	4/30/2024	12:52	5.82	14.6	58.3	6.80	2,745.8	0.63	63.32	-52.4
G314D	4/30/2024	12:55	5.82	14.6	58.3	6.83	2,736.1	0.61	91.69	-49.8
G314D	4/30/2024	12:58	5.82	14.5	58.0	6.89	2,724.1	0.59	127.11	-46.8
G314D	4/30/2024	13:01	5.82	14.6	58.3	6.93	2,718.2	0.58	176.12	-43.4
G314D	4/30/2024	13:04	5.82	14.6	58.4	6.95	2,720.7	0.57	177.93	-40.0
G314D	4/30/2024	13:07	5.82	14.6	58.4	6.96	2,722.4	0.56	178.65	-36.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G315	5/2/2024	10:16	2.34	14.4	57.9	6.81	1,178.6	1.16	3.06	10.1
G315	5/2/2024	10:19	2.34	14.3	57.7	6.80	1,175.5	1.04	2.83	11.0
G315	5/2/2024	10:22	2.34	14.3	57.8	6.78	1,173.6	0.95	2.54	11.8
G315	5/2/2024	10:25	2.34	14.3	57.8	6.78	1,173.4	0.88	2.16	12.7
G315	5/2/2024	10:28	2.34	14.3	57.7	6.78	1,172.2	0.84	2.10	13.8
G315	5/2/2024	10:31	2.34	14.3	57.7	6.77	1,170.1	0.80	1.96	14.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G316	4/30/2024	11:32	10.95	12.3	54.1	6.84	1,861.9	1.16	11.74	-55.8
G316	4/30/2024	11:35	10.95	12.3	54.1	6.82	1,884.0	0.98	10.59	-63.8
G316	4/30/2024	11:38	10.95	12.3	54.1	6.81	1,896.4	0.88	11.06	-69.0
G316	4/30/2024	11:41	10.95	12.4	54.3	6.81	1,893.4	0.81	10.20	-72.8
G316	4/30/2024	11:44	10.95	12.4	54.3	6.82	1,894.4	0.76	9.51	-75.6
G316	4/30/2024	11:47	10.95	12.4	54.3	6.82	1,895.2	0.73	9.20	-78.1
G316	4/30/2024	11:50	10.95	12.4	54.3	6.82	1,897.8	0.69	8.73	-79.7
G316	4/30/2024	11:53	10.95	12.4	54.2	6.83	1,901.0	0.67	8.39	-81.3
G316	4/30/2024	11:56	10.95	12.4	54.4	6.83	1,896.2	0.65	7.79	-82.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G401	5/2/2024	13:48	20.94	17.2	63.0	5.99	1,446.5	1.82	99.02	90.3
G401	5/2/2024	13:57	20.94	17.0	62.5	5.93	1,260.2	1.34	8.90	104.2
G401	5/2/2024	14:00	20.94	16.9	62.5	5.91	1,303.5	1.23	6.26	92.5
G401	5/2/2024	14:03	20.94	17.3	63.2	5.90	1,341.0	1.16	4.91	81.9
G401	5/2/2024	14:06	20.94	17.8	64.0	5.89	1,395.7	1.11	4.24	71.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G402	5/6/2024	11:42	8.74	14.1	57.3	6.97	1,662.4	6.82	15.00	108.5
G402	5/6/2024	11:45	8.74	14.1	57.3	6.98	1,663.0	7.04	16.34	109.0
G402	5/6/2024	11:48	8.74	14.0	57.3	6.99	1,663.6	7.17	17.13	109.4
G402	5/6/2024	11:51	8.74	14.0	57.2	7.00	1,665.3	7.37	24.94	109.9
G402	5/6/2024	11:54	8.74	14.0	57.2	7.01	1,665.3	7.61	25.24	110.2
G402	5/6/2024	11:57	8.74	14.0	57.2	7.01	1,665.8	7.54	29.75	110.9
G402	5/6/2024	12:00	8.74	14.0	57.2	7.02	1,666.7	7.65	38.01	111.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G403	5/6/2024	10:19	6.26	14.4	57.8	6.86	716.4	0.68	7.82	82.2
G403	5/6/2024	10:22	6.26	14.4	57.9	6.85	717.0	0.41	6.17	76.5
G403	5/6/2024	10:25	6.26	14.4	57.9	6.85	716.2	0.34	5.65	73.0
G403	5/6/2024	10:28	6.26	14.5	58.1	6.85	716.9	0.30	6.25	70.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G404	5/6/2024	12:35	3.80	13.7	56.6	6.83	1,391.1	0.71	2.98	102.1
G404	5/6/2024	12:38	3.80	14.0	57.2	6.86	1,171.4	1.04	3.65	94.4
G404	5/6/2024	12:41	3.80	14.0	57.2	6.85	1,148.8	1.03	2.89	91.0
G404	5/6/2024	12:44	3.80	13.9	57.1	6.84	1,150.3	1.09	3.05	88.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G405	5/6/2024	13:04	6.05	13.9	57.1	7.04	1,606.2	1.59	10.61	77.9
G405	5/6/2024	13:07	6.05	14.0	57.3	6.96	1,828.7	0.84	7.71	68.8
G405	5/6/2024	13:10	6.05	14.1	57.4	6.95	1,854.7	0.64	7.49	63.0
G405	5/6/2024	13:13	6.05	14.0	57.3	6.96	1,818.5	0.71	8.10	59.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G406	5/6/2024	10:53	10.24	15.0	58.9	6.67	1,387.6	1.07	2.49	102.1
G406	5/6/2024	10:56	10.24	14.9	58.8	6.65	1,385.1	0.75	2.35	101.5
G406	5/6/2024	10:59	10.24	14.9	58.8	6.65	1,386.0	0.55	2.28	100.5
G406	5/6/2024	11:02	10.24	14.9	58.8	6.65	1,380.5	0.45	2.12	100.0
G406	5/6/2024	11:05	10.24	14.9	58.8	6.65	1,371.7	0.36	1.36	99.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G407	4/29/2024	14:25	4.27	14.3	57.7	6.61	2,200.6	1.28	42.72	100.7
G407	4/29/2024	14:28	4.27	14.2	57.6	6.64	2,125.0	1.44	59.54	99.6
G407	4/29/2024	14:31	4.27	14.2	57.5	6.67	2,097.6	1.69	66.85	99.1
G407	4/29/2024	14:34	4.27	14.5	58.1	6.67	2,101.2	1.75	71.68	98.6
G407	4/29/2024	14:37	4.27	14.5	58.2	6.67	2,116.1	1.75	86.10	98.2
G407	4/29/2024	14:40	4.27	14.6	58.3	6.67	2,139.2	1.72	42.10	97.9
G407	4/29/2024	14:43	4.27	14.7	58.4	6.67	2,165.6	1.66	44.51	97.7
G407	4/29/2024	14:46	4.27	14.8	58.6	6.66	2,186.8	1.60	42.77	97.6
G407	4/29/2024	14:49	4.27	14.8	58.7	6.66	2,202.7	1.54	54.10	97.4
G407	4/29/2024	14:52	4.27	14.8	58.7	6.65	2,211.6	1.48	71.17	97.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G410	4/30/2024	10:18	6.21	12.9	55.2	6.16	1,017.8	1.26	2.74	46.3
G410	4/30/2024	10:21	6.21	12.9	55.3	6.16	1,029.7	1.08	2.06	44.8
G410	4/30/2024	10:24	6.21	12.9	55.2	6.16	1,036.4	0.97	1.85	43.5
G410	4/30/2024	10:27	6.21	12.9	55.2	6.18	1,038.6	0.89	1.71	41.8
G410	4/30/2024	10:30	6.21	12.9	55.2	6.20	1,043.1	0.84	1.66	39.7
G410	4/30/2024	10:33	6.21	12.9	55.3	6.21	1,045.9	0.80	1.61	38.8
G410	4/30/2024	10:36	6.21	12.9	55.1	6.21	1,045.7	0.77	1.54	38.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G411	4/29/2024	12:59	4.33	13.2	55.8	7.04	861.1	0.98	5.53	107.4
G411	4/29/2024	13:02	4.33	13.2	55.8	7.04	862.8	0.91	8.27	105.8
G411	4/29/2024	13:05	4.33	13.2	55.8	7.04	865.4	0.86	10.05	104.6
G411	4/29/2024	13:08	4.33	13.2	55.7	7.04	865.8	0.82	14.01	103.6
G411	4/29/2024	13:11	4.33	13.2	55.8	7.04	866.1	0.79	16.20	102.6

Site Sampling Event: Coffeen- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24041541**Coffeen- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	5/8/2024	11:11	-	20.5	68.9	11.87	13,935.1	5.12	5.92	-43.3

Site Sampling Event: Coffeen- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24041541**Coffeen- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
NE Riser	4/29/2024	13:04	1.05	DTW Only						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R104	5/2/2024	12:51	6.85	16.9	62.4	7.47	784.4	4.55	4.41	91.1
R104	5/2/2024	12:54	6.85	17.1	62.8	7.47	786.6	4.55	4.31	92.1
R104	5/2/2024	12:57	6.85	17.4	63.2	7.47	789.5	4.58	4.26	93.0
R104	5/2/2024	13:00	6.85	17.4	63.4	7.47	789.0	4.55	4.01	93.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201	5/7/2024	12:34	2.59	16.4	61.5	7.03	986.3	2.48	9.71	-4.5
R201	5/7/2024	12:37	2.59	16.2	61.1	7.03	985.8	2.32	7.97	-9.7
R201	5/7/2024	12:40	2.59	16.1	61.0	7.03	985.7	2.16	6.75	-10.5
R201	5/7/2024	12:43	2.59	16.2	61.2	7.03	986.0	2.05	6.83	-14.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R205	5/7/2024	13:34	4.29	16.3	61.3	6.75	1,314.1	2.85	9.15	89.6
R205	5/7/2024	13:37	4.29	15.8	60.5	6.75	1,310.0	2.66	5.26	86.9
R205	5/7/2024	13:40	4.29	15.7	60.3	6.75	1,308.0	2.52	4.18	86.6
R205	5/7/2024	13:43	4.29	15.2	59.4	6.75	1,298.5	2.29	9.63	85.1
R205	5/7/2024	13:46	4.29	15.2	59.3	6.75	1,296.9	2.11	7.63	84.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	4/29/2024	15:29	6.68	DTW Only						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-03	4/29/2024	10:27	7.94	DTW Only						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T127	5/6/2024	14:48	13.81	15.1	59.3	7.03	719.4	2.61	82.03	53.1
T127	5/6/2024	14:51	13.81	15.1	59.2	7.02	718.8	2.45	61.90	51.6
T127	5/6/2024	14:54	13.81	15.1	59.1	7.01	718.2	2.31	52.98	50.7
T127	5/6/2024	14:57	13.81	15.0	58.9	7.00	717.7	2.23	37.86	50.0
T127	5/6/2024	15:00	13.81	15.0	59.0	7.00	716.9	2.17	33.99	49.2
T127	5/6/2024	15:03	13.81	14.9	58.9	6.99	716.5	2.13	30.87	48.7
T127	5/6/2024	15:06	13.81	14.8	58.7	6.98	716.5	2.01	25.01	48.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T128	5/1/2024	11:13	13.83	15.1	59.2	7.21	748.2	3.78	9.90	92.7
T128	5/1/2024	11:16	13.83	15.1	59.2	7.20	748.4	3.61	8.57	93.0
T128	5/1/2024	11:19	13.83	15.2	59.4	7.19	747.9	3.39	7.83	93.4
T128	5/1/2024	11:22	13.83	15.2	59.4	7.18	747.8	3.14	7.21	93.3
T128	5/1/2024	11:25	13.83	15.3	59.6	7.17	747.0	2.94	6.25	93.1
T128	5/1/2024	11:28	13.83	15.2	59.4	7.17	746.5	2.81	5.67	92.9
T128	5/1/2024	11:31	13.83	15.1	59.3	7.16	745.8	2.69	4.88	92.7

Site Sampling Event: Coffeen- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24041541**Coffeen- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
X201	5/7/2024	13:25	-	24.5	76.1	5.93	20,857.6	8.28	4.73	158.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	5/7/2024	13:43	4.63	17.5	63.5	7.75	1,274.3	1.15	24.93	-80.4
XPW01	5/7/2024	13:46	4.63	17.6	63.7	7.78	1,282.4	0.94	16.72	-103.1
XPW01	5/7/2024	13:49	4.63	17.5	63.5	7.79	1,281.1	0.82	12.01	-111.7
XPW01	5/7/2024	13:52	4.63	17.5	63.6	7.79	1,281.0	0.72	9.81	-118.1
XPW01	5/7/2024	13:55	4.63	16.7	62.1	7.80	1,284.1	0.62	8.23	-121.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02	5/8/2024	10:28	9.87	16.9	62.4	7.74	826.6	0.87	12.50	-191.7
XPW02	5/8/2024	10:31	9.87	16.8	62.3	7.69	832.4	0.77	17.33	-201.3
XPW02	5/8/2024	10:34	9.87	16.8	62.2	7.69	831.2	0.72	18.15	-204.7
XPW02	5/8/2024	10:37	9.87	16.7	62.1	7.69	832.2	0.68	15.38	-206.8
XPW02	5/8/2024	10:40	9.87	16.8	62.2	7.69	835.2	0.65	7.39	-207.3
XPW02	5/8/2024	10:43	9.87	16.7	62.1	7.69	834.7	0.63	4.99	-208.1
XPW02	5/8/2024	10:46	9.87	16.7	62.1	7.69	838.5	0.62	2.25	-209.2
XPW02	5/8/2024	10:49	9.87	16.7	62.0	7.69	839.6	0.61	4.12	-209.3

Site Sampling Event: Coffeen- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24041541**Coffeen- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	4/29/2024	11:10	7.94	DTW Only						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	5/8/2024	11:21	QA/QC Sample							

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102 Duplicate	5/2/2024	10:45	4.33	14.4	58.0	7.29	541.8	3.49	8.29	81.3
G102 Duplicate	5/2/2024	10:48	4.33	14.3	57.7	7.28	533.9	3.41	8.00	78.9
G102 Duplicate	5/2/2024	10:51	4.33	14.3	57.8	7.28	539.0	3.25	12.29	78.0
G102 Duplicate	5/2/2024	10:54	4.33	14.2	57.6	7.29	544.0	3.10	15.69	77.7
G102 Duplicate	5/2/2024	10:57	4.33	14.2	57.5	7.28	548.5	3.03	11.60	77.9
G102 Duplicate	5/2/2024	11:00	4.33	14.1	57.4	7.29	553.4	2.96	9.57	78.3
G102 Duplicate	5/2/2024	11:03	4.33	14.1	57.4	7.29	558.1	2.89	11.75	78.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200 Duplicate	5/7/2024	12:29	2.90	16.6	61.9	7.20	848.9	0.91	20.80	29.5
G200 Duplicate	5/7/2024	12:32	2.90	16.7	62.1	7.19	847.2	0.55	30.37	24.3
G200 Duplicate	5/7/2024	12:35	2.90	16.5	61.7	7.19	846.9	0.41	84.52	20.5
G200 Duplicate	5/7/2024	12:38	2.90	16.7	62.0	7.18	849.0	0.31	86.74	17.6
G200 Duplicate	5/7/2024	12:41	2.90	16.6	62.0	7.19	849.0	0.25	74.88	14.2
G200 Duplicate	5/7/2024	12:44	2.90	16.8	62.2	7.19	848.9	0.20	63.14	11.6
G200 Duplicate	5/7/2024	12:47	2.90	17.1	62.8	7.19	849.3	0.17	57.50	11.4
G200 Duplicate	5/7/2024	12:50	2.90	17.0	62.6	7.19	849.2	0.15	58.08	8.3
G200 Duplicate	5/7/2024	12:53	2.90	17.3	63.1	7.19	849.7	0.13	53.10	6.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217 Duplicate	5/2/2024	12:24	13.75	15.6	60.0	6.89	1,552.2	0.85	78.38	10.9
G217 Duplicate	5/2/2024	12:27	13.75	15.5	59.9	6.89	1,555.1	0.83	92.93	11.2
G217 Duplicate	5/2/2024	12:30	13.75	15.4	59.8	6.88	1,558.7	0.82	6.39	11.5
G217 Duplicate	5/2/2024	12:33	13.75	15.5	59.9	6.88	1,557.9	0.80	10.99	11.7
G217 Duplicate	5/2/2024	12:36	13.75	15.5	59.8	6.88	1,560.8	0.78	4.73	12.3
G217 Duplicate	5/2/2024	12:39	13.75	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301 Duplicate	5/6/2024	10:10	6.18	14.1	57.4	6.32	1,086.9	1.15	4.32	-53.2
G301 Duplicate	5/6/2024	10:13	6.18	14.1	57.3	6.26	1,081.2	0.97	4.69	-49.0
G301 Duplicate	5/6/2024	10:16	6.18	14.1	57.4	6.24	1,076.6	0.86	4.97	-47.2
G301 Duplicate	5/6/2024	10:19	6.18	14.2	57.5	6.24	1,074.9	0.80	4.36	-45.6
G301 Duplicate	5/6/2024	10:22	6.18	14.2	57.6	6.25	1,072.3	0.75	3.81	-43.5
G301 Duplicate	5/6/2024	10:25	6.18	14.2	57.6	6.25	1,071.4	0.71	4.04	-41.4
G301 Duplicate	5/6/2024	10:28	6.18	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8

Site Sampling Event: Coffeen- 2Q24**Groundwater Sampling Field Forms- Groundwater Quality Parameters****LIMS Workorder:** 24041541**Coffeen- 2Q 2024****Technician(s):** DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201 Duplicate	5/7/2024	12:34	2.59	16.4	61.5	7.03	986.3	2.48	9.71	-4.5
R201 Duplicate	5/7/2024	12:37	2.59	16.2	61.1	7.03	985.8	2.32	7.97	-9.7
R201 Duplicate	5/7/2024	12:40	2.59	16.1	61.0	7.03	985.7	2.16	6.75	-10.5
R201 Duplicate	5/7/2024	12:43	2.59	16.2	61.2	7.03	986.0	2.05	6.83	-14.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	5/8/2024	11:35	QA/QC Sample							

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G219	5/7/2024	10:46	6.45	14.8	58.6	7.22	878.3	2.39	24.36	-21.7
G219	5/7/2024	10:49	6.45	15.2	59.3	7.19	872.4	1.79	31.03	-30.8
G219	5/7/2024	10:52	6.45	15.8	60.4	7.18	874.4	1.67	35.97	-39.3
G219	5/7/2024	10:55	6.45	14.3	57.7	7.18	869.9	1.33	34.62	-47.1
G219	5/7/2024	10:58	6.45	14.3	57.7	7.17	868.1	1.01	26.45	-50.5
G219	5/7/2024	11:01	6.45	14.3	57.8	7.17	867.6	0.82	24.72	-52.7
G219	5/7/2024	11:04	6.45	13.7	56.7	7.17	866.9	0.67	24.92	-54.4
G219	5/7/2024	11:07	6.45	13.9	57.0	7.17	866.7	0.56	25.18	-56.4
G219	5/7/2024	11:10	6.45	13.9	56.9	7.17	866.6	0.45	26.09	-58.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G220	5/7/2024	11:47	12.10	16.2	61.2	6.89	1,271.8	2.17	24.68	38.5
G220	5/7/2024	11:50	12.10	16.0	60.8	6.89	1,269.8	1.87	25.70	38.1
G220	5/7/2024	11:53	12.10	15.5	60.0	6.88	1,267.7	1.58	28.08	35.8
G220	5/7/2024	11:56	12.10	15.6	60.1	6.89	1,267.0	1.30	30.77	33.0
G220	5/7/2024	11:59	12.10	15.8	60.4	6.88	1,264.0	1.05	29.44	30.6
G220	5/7/2024	12:02	12.10	15.3	59.5	6.89	1,266.3	0.87	20.10	25.6
G220	5/7/2024	12:05	12.10	15.4	59.7	6.88	1,266.1	0.74	22.71	22.2
G220	5/7/2024	12:08	12.10	15.4	59.8	6.89	1,265.9	0.64	24.62	20.7

Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	4/30/24 8:54
7.0 Buffer	wc240307f	7.01	4/30/24 8:50
10.0 Buffer	wc231027d	9.99	4/30/24 8:59
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1415	4/30/24 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.82	4/30/24 9:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/30/24 9:08	17.9	7.01	1,415	1.82		
CCV-1	CCV	4/30/24 14:52	18.8	7.03	1,423	1.84		

Comments: _____

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	5/1/24 9:05
7.0 Buffer	wc240307f	7.00	5/1/24 9:00
10.0 Buffer	wc231027d	10.00	5/1/24 9:10
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1418	5/1/24 9:16

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.78	5/1/24 9:16
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/1/24 9:18	20.4	7.00	1,418	1.78		
CCV-M-2	CCV	5/1/24 12:25	20.9	7.02	1,421	1.77		
CCV-2	CCV	5/1/24 14:54	21.7	7.03	1,427	1.8		

Comments: _____



Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/2/24 9:12
7.0 Buffer	wc240307f	7.02	5/2/24 8:55
10.0 Buffer	wc231027d	10.00	5/2/24 9:12
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1414	5/2/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	5/2/24 9:18
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/2/24 9:18	21.1	7.02	1,414	0.91		
CCV-M-3	CCV	5/2/24 12:30	21.4	7.03	1,415	0.91		
CCV-3	CCV	5/2/24 14:59	22.8	7.03	1,420	0.9		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/3/24 8:53
7.0 Buffer	wc240307f	7.01	5/3/24 8:47
10.0 Buffer	wc231027d	10.01	5/3/24 8:56
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/3/24 9:00

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	5/3/24 9:00
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/3/24 9:04	20.7	7.01	1,413	0.91		
CCV-4	CCV	5/3/24 10:31	21.1	7.02	1,414	0.93		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)

Coffeen- 2Q 2024

Field Temp SOP 1156 - SM 2550 B

Field pH SOP 1152 - SW-846 9040B - SM 4500-H B

Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	5/6/24 10:01
7.0 Buffer	wc240307f	7.00	5/6/24 9:42
10.0 Buffer	wc231027d	9.99	5/6/24 10:02
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/6/24 10:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.92	5/6/24 10:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/6/24 10:07	20.1	7.00	1,413	0.92		
CCV-5	CCV	5/6/24 14:50	22.9	7.03	1,422	1.28		

Comments: _____

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	5/7/24 9:04
7.0 Buffer	wc240307f	7.01	5/7/24 8:58
10.0 Buffer	wc231027d	10.00	5/7/24 9:07
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1416	5/7/24 9:11

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.2	5/7/24 9:11
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/7/24 9:13	21.2	7.01	1,416	1.2		
CCV-6	CCV	5/7/24 14:17	22.9	7.03	1,431	0.98		

Comments: _____

Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	5/8/24 8:48
7.0 Buffer	wc240307f	7.02	5/8/24 8:42
10.0 Buffer	wc231027d	10.00	5/8/24 8:53
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1411	5/8/24 8:56

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.87	5/8/24 8:57
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/8/24 9:00	18.9	7.02	1,411	0.87		
CCV-7	CCV	5/8/24 10:59	21.4	7.04	1,426	0.93		

Comments:

Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 4/29/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	4/29/24 10:45
7.0 Buffer	WC240307F	7.02	4/29/24 10:42
10.0 Buffer	WC230619B	10.00	4/29/24 10:48
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/29/24 10:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	4/29/24 10:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/29/24 10:55	20.2	7.01	1,413	0.26		
CCV-1	CCV	4/29/24 14:15	21.3	7.01	1,438	0.58		

Comments: _____

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	4/30/24 9:11
7.0 Buffer	WC240307F	7.03	4/30/24 9:08
10.0 Buffer	WC230619B	9.98	4/30/24 9:14
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/30/24 9:17

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.45	4/30/24 9:20
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	4/30/24 9:25	19.5	7.01	1,410	1.45		
CCV-M-2	CCV	4/30/24 11:47	19.7	7.01	1,414	1.08		
CCV-2	CCV	4/30/24 14:43	25.2	7.03	1,473	1.63		

Comments: _____



Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/1/24 9:23
7.0 Buffer	WC240307F	7.01	5/1/24 9:20
10.0 Buffer	WC230619B	10.02	5/1/24 9:26
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/1/24 9:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.81	5/1/24 9:32
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/1/24 9:29	22.9	7.10	1,412	1.81		
CCV-M-3	CCV	5/1/24 12:22	23.1	7.06	1,422	1.64		
CCV-3	CCV	5/1/24 15:02	23.9	7.08	1,458	1.55		

Comments:

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/2/24 9:20
7.0 Buffer	WC240307F	7.01	5/2/24 9:17
10.0 Buffer	WC230619B	10.00	5/2/24 9:23
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/2/24 9:27

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.02	5/2/24 9:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/2/24 9:33	21.4	7.06	1,413	1.02		
CCV-M-4	CCV	5/2/24 12:02	21.6	7.07	1,414	1.1		
CCV-4	CCV	5/2/24 14:58	23.8	7.08	1,422	1.33		

Comments:

Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/3/24 8:56
7.0 Buffer	WC240307F	7.02	5/3/24 8:53
10.0 Buffer	WC230619B	10.00	5/3/24 8:59
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/3/24 9:02

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.23	5/3/24 9:05
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/3/24 9:07	20.5	7.01	1,410	1.23		
CCV-5	CCV	5/3/24 10:43	21.4	6.99	1,436	1.73		

Comments:

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/6/24 9:10
7.0 Buffer	WC240307F	7.02	5/6/24 9:05
10.0 Buffer	WC230619B	10.00	5/6/24 9:13
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/6/24 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.87	5/6/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/6/24 9:33	20.1	7.07	1,412	1.86		
CCV-M-6	CCV	5/6/24 12:31	20.4	7.04	1,420	1.56		
CCV-6	CCV	5/6/24 16:30	21.6	7.02	1,456	1.55		

Comments: CCV time is 1630

Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/7/24 9:16
7.0 Buffer	WC240307F	7.01	5/7/24 9:09
10.0 Buffer	WC230619B	10.00	5/7/24 9:20
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/7/24 9:25

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.22	5/7/24 9:17
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/7/24 9:25	23.5	7.05	1,413	1.23		
CCV-7	CCV	5/7/24 14:31	24.2	7.06	1,456	1.58		

Comments:

Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.03	4/30/24 8:55
7.0 Buffer	WC240307F	7.01	4/30/24 9:00
10.0 Buffer	WC230619B	10.01	4/30/24 9:05
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/30/24 9:05

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.52	4/30/24 9:08
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/30/24 9:14	20	7.00	1,412	1.52		
CCV-1	CCV	4/30/24 14:52	24	7.20	1,410	1.54		

Comments: _____

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/1/24 8:39
7.0 Buffer	WC240307F	7.01	5/1/24 8:45
10.0 Buffer	WC230619B	10.00	5/1/24 8:51
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1411	5/1/24 8:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.51	5/1/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/1/24 9:03	21.2	7.01	1,412	1.51		
CCV-M-2	CCV	5/1/24 12:11	22	7.00	1,413	1.5		
CCV-2	CCV	5/1/24 14:57	23.6	7.00	1,412	1.59		

Comments: _____



Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/2/24 8:40
7.0 Buffer	WC240307F	7.03	5/2/24 8:47
10.0 Buffer	WC230619B	10.00	5/2/24 8:55
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/2/24 8:59

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.58	5/2/24 9:01
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/2/24 9:08	19.78	7.01	1,412	1.68		
CCV-M-3	CCV	5/2/24 11:39	21.6	7.01	1,412	1.34		
CCV-3	CCV	5/2/24 15:00	23.2	7.00	1,412	1.44		

Comments:

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/3/24 8:50
7.0 Buffer	WC240307F	7.03	5/3/24 8:56
10.0 Buffer	WC230619B	10.00	5/3/24 8:59
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/3/24 9:03

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.4	5/3/24 9:09
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/3/24 9:09	19.04	7.00	1,412	1.41		
CCV-4	CCV	5/3/24 10:34	19	7.02	1,413	1.63		

Comments:

Site Sampling Event: Coffeen- 2Q2024
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, ASH POND NO. 2
COF-845-102

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.02	5/6/24 9:46
7.0 Buffer	WC240307F	7.00	5/6/24 9:50
10.0 Buffer	WC230619B	10.01	5/6/24 10:04
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/6/24 10:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	5/6/24 10:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/6/24 10:09	19.21	7.01	1,413	1.6		
CCV-5	CCV	5/6/24 15:34	23.61	7.02	1,414	1.71		

Comments:

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/7/24 8:47
7.0 Buffer	WC240307F	7.01	5/7/24 8:58
10.0 Buffer	WC230619B	10.03	5/7/24 9:12
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/7/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	5/7/24 9:23
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/7/24 9:29	18.8	7.01	1,412	1.5		
CCV-M-6	CCV	5/7/24 12:11	20.1	7.02	1,413	1.44		
CCV-6	CCV	5/7/24 15:32	21.2	7.00	1,414	1.4		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.03	5/8/24 8:36
7.0 Buffer	WC240307F	7.01	5/8/24 8:41
10.0 Buffer	WC230619B	10.02	5/8/24 8:46
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/8/24 8:50

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.11	5/8/24 8:55
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/8/24 8:59	20.1	7.02	1,412	1.08		
CCV-7	CCV	5/8/24 11:09	20.9	7.04	1,413	1.21		

Comments:



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43197
Description YSI ProDSS Display
Calibrated 4/26/2024 6:27:15PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 18E105408
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Functional / Datalogging Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>(As Of Cal Entry Date)</u>	
					<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 4/26/2024 6:29:23PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 15H101893
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.37	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.41	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.22	10.05	0.50%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.31	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.85	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.494	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.0 / 240.0	mv	240.0	mv	225.8	240.0	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43907
Description YSI ProDSS
Calibrated 4/25/2024 3:34:30PM

Manufacturer YSI
Model Number PRO DSS
Serial Number/ Lot Number 18J103033
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Function Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Next Cal Date / Last Cal Date/ Expiration Date</u>	<u>Opened Date</u>

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45986
Description YSI Pro DSS
Calibrated 4/25/2024 3:36:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101800
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.71	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.49	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	2.33	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	98.92	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.550	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	200.30	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218050
Description YSI Pro DSS Display
Calibrated 4/26/2024 6:24:40PM

Manufacturer YSI
Model Number YSI Pro Dss
Serial Number/ Lot 23E101406
Number
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Instrument Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Next Cal Date / Last Cal Date/ Expiration Date</u>	<u>Opened Date</u>

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 4/26/2024 6:26:38PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.34	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.27	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	FNU	0.00	FNU	0.44	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	115.85	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.510	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	223.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>

**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 2, 2024**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G1001	LCU	E005	Antimony, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.001	0.003
G1001	LCU	E005	Arsenic, total	mg/L	02/15/23 - 05/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.00660
G1001	LCU	E005	Barium, total	mg/L	02/15/23 - 05/07/24	5	0	CI around mean	-0.00928	0.140
G1001	LCU	E005	Beryllium, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.001	0.001
G1001	LCU	E005	Boron, total	mg/L	05/12/21 - 05/07/24	6	0	CI around mean	0.669	0.0290
G1001	LCU	E005	Cadmium, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.001	0.001
G1001	LCU	E005	Chloride, total	mg/L	05/12/21 - 05/07/24	6	0	CI around mean	7.65	75.0
G1001	LCU	E005	Chromium, total	mg/L	02/15/23 - 05/07/24	5	40	CI around geomean	0.000462	0.0190
G1001	LCU	E005	Cobalt, total	mg/L	05/12/21 - 05/07/24	6	67	CI around median (Last Sample, n<7)	0.001	0.00590
G1001	LCU	E005	Fluoride, total	mg/L	02/15/23 - 05/07/24	5	40	CI around mean	0.222	0.513
G1001	LCU	E005	Lead, total	mg/L	02/15/23 - 05/07/24	5	60	CI around median (Last Sample, n<7)	0.001	0.0120
G1001	LCU	E005	Lithium, total	mg/L	05/12/21 - 05/07/24	6	17	CI around mean	0.00186	0.0190
G1001	LCU	E005	Mercury, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.0002	0.0002
G1001	LCU	E005	Molybdenum, total	mg/L	02/15/23 - 05/07/24	5	0	CI around mean	0.0024	0.00450
G1001	LCU	E005	pH (field)	SU	02/15/23 - 05/07/24	5	0	CI around mean	6.8/7.1	6.6/7.5
G1001	LCU	E005	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 05/07/24	5	0	CI around geomean	0.219	1.89
G1001	LCU	E005	Selenium, total	mg/L	02/15/23 - 05/07/24	5	80	CI around median (Last Sample, n<7)	0.001	0.00480
G1001	LCU	E005	Sulfate, total	mg/L	05/12/21 - 05/07/24	6	0	CI around mean	34.3	370
G1001	LCU	E005	Thallium, total	mg/L	02/15/23 - 05/07/24	5	100	All ND - Last	0.002	0.001
G1001	LCU	E005	Total Dissolved Solids	mg/L	02/15/23 - 05/07/24	5	0	CI around mean	426	840
G401	UA	E005	Antimony, total	mg/L	11/21/15 - 05/02/24	26	100	All ND - Last	0.001	0.003
G401	UA	E005	Arsenic, total	mg/L	11/21/15 - 05/02/24	29	52	CB around T-S line	-0.0152	0.00660
G401	UA	E005	Barium, total	mg/L	11/21/15 - 05/02/24	29	0	CB around T-S line	-0.166	0.140
G401	UA	E005	Beryllium, total	mg/L	11/21/15 - 05/02/24	28	82	CI around median	0.001	0.001
G401	UA	E005	Boron, total	mg/L	11/21/15 - 05/02/24	30	0	CI around median	3.5	0.0290
G401	UA	E005	Cadmium, total	mg/L	11/21/15 - 05/02/24	29	69	CB around T-S line	-0.00171	0.001
G401	UA	E005	Chloride, total	mg/L	11/21/15 - 05/02/24	30	10	CI around geomean	3	75.0

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COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G401	UA	E005	Chromium, total	mg/L	11/21/15 - 05/02/24	29	69	CB around T-S line	-0.034	0.0190
G401	UA	E005	Cobalt, total	mg/L	11/21/15 - 05/02/24	29	0	CB around linear reg	0.0574	0.00590
G401	UA	E005	Fluoride, total	mg/L	11/21/15 - 05/02/24	30	83	CB around T-S line	0.222	0.513
G401	UA	E005	Lead, total	mg/L	11/21/15 - 05/02/24	28	68	CB around T-S line	-0.0194	0.0120
G401	UA	E005	Lithium, total	mg/L	11/21/15 - 05/02/24	31	3	CB around T-S line	-0.00462	0.0190
G401	UA	E005	Mercury, total	mg/L	11/21/15 - 05/02/24	28	82	CI around median	0.0002	0.0002
G401	UA	E005	Molybdenum, total	mg/L	11/21/15 - 05/02/24	29	72	CI around median	0.001	0.00450
G401	UA	E005	pH (field)	SU	11/21/15 - 05/02/24	32	0	CI around mean	5.9/6.1	6.6/7.5
G401	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/02/24	29	0	CI around geomean	0.468	1.89
G401	UA	E005	Selenium, total	mg/L	11/21/15 - 05/02/24	29	66	CB around T-S line	-0.00176	0.00480
G401	UA	E005	Sulfate, total	mg/L	11/21/15 - 05/02/24	30	0	CB around T-S line	1,300	370
G401	UA	E005	Thallium, total	mg/L	11/21/15 - 05/02/24	26	100	All ND - Last	0.002	0.001
G401	UA	E005	Total Dissolved Solids	mg/L	11/21/15 - 05/02/24	30	0	CI around median	2,800	840
G402	UA	E005	Antimony, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.001	0.003
G402	UA	E005	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	-0.00488	0.00660
G402	UA	E005	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	-0.00122	0.140
G402	UA	E005	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.001
G402	UA	E005	Boron, total	mg/L	11/21/15 - 05/06/24	30	0	CB around T-S line	4.52	0.0290
G402	UA	E005	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	97	Most recent sample	0.001	0.001
G402	UA	E005	Chloride, total	mg/L	11/21/15 - 05/06/24	30	27	CI around mean	1.6	75.0
G402	UA	E005	Chromium, total	mg/L	11/21/15 - 05/06/24	29	41	CB around T-S line	-0.00599	0.0190
G402	UA	E005	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	21	CB around linear reg	-0.00286	0.00590
G402	UA	E005	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	13	CI around median	0.295	0.513
G402	UA	E005	Lead, total	mg/L	11/21/15 - 05/06/24	28	32	CB around linear reg	-0.00398	0.0120
G402	UA	E005	Lithium, total	mg/L	11/21/15 - 05/06/24	29	3	CB around linear reg	0.0115	0.0190
G402	UA	E005	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.0002
G402	UA	E005	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.00106	0.00450

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G402	UA	E005	pH (field)	SU	11/21/15 - 05/06/24	30	0	CB around linear reg	6.8/7.0	6.6/7.5
G402	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around median	0.547	1.89
G402	UA	E005	Selenium, total	mg/L	11/21/15 - 05/06/24	29	79	CB around T-S line	0.000644	0.00480
G402	UA	E005	Sulfate, total	mg/L	11/21/15 - 05/06/24	30	0	CB around T-S line	360	370
G402	UA	E005	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.001
G402	UA	E005	Total Dissolved Solids	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	1,260	840
G403	UA	E005	Antimony, total	mg/L	11/23/15 - 05/06/24	26	100	All ND - Last	0.001	0.003
G403	UA	E005	Arsenic, total	mg/L	11/23/15 - 05/06/24	29	62	CB around T-S line	2.51e-05	0.00660
G403	UA	E005	Barium, total	mg/L	11/23/15 - 05/06/24	29	0	CB around T-S line	0.0755	0.140
G403	UA	E005	Beryllium, total	mg/L	11/23/15 - 05/06/24	28	100	All ND - Last	0.001	0.001
G403	UA	E005	Boron, total	mg/L	11/23/15 - 05/06/24	30	20	CI around geomean	0.0154	0.0290
G403	UA	E005	Cadmium, total	mg/L	11/23/15 - 05/06/24	29	100	All ND - Last	0.001	0.001
G403	UA	E005	Chloride, total	mg/L	11/23/15 - 05/06/24	30	0	CB around linear reg	4.71	75.0
G403	UA	E005	Chromium, total	mg/L	11/23/15 - 05/06/24	29	93	CB around T-S line	0.00245	0.0190
G403	UA	E005	Cobalt, total	mg/L	11/23/15 - 05/06/24	29	59	CI around median	0.002	0.00590
G403	UA	E005	Fluoride, total	mg/L	11/23/15 - 05/06/24	30	10	CB around T-S line	0.215	0.513
G403	UA	E005	Lead, total	mg/L	11/23/15 - 05/06/24	28	89	CI around median	0.001	0.0120
G403	UA	E005	Lithium, total	mg/L	11/23/15 - 05/06/24	29	90	CI around median	0.01	0.0190
G403	UA	E005	Mercury, total	mg/L	11/23/15 - 05/06/24	28	100	All ND - Last	0.0002	0.0002
G403	UA	E005	Molybdenum, total	mg/L	11/23/15 - 05/06/24	29	76	CI around median	0.001	0.00450
G403	UA	E005	pH (field)	SU	11/23/15 - 05/06/24	30	0	CI around mean	6.8/7.0	6.6/7.5
G403	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/23/15 - 05/06/24	29	0	CI around mean	0.607	1.89
G403	UA	E005	Selenium, total	mg/L	11/23/15 - 05/06/24	29	97	CI around median	0.001	0.00480
G403	UA	E005	Sulfate, total	mg/L	11/23/15 - 05/06/24	30	0	CB around T-S line	61.7	370
G403	UA	E005	Thallium, total	mg/L	11/23/15 - 05/06/24	26	100	All ND - Last	0.002	0.001
G403	UA	E005	Total Dissolved Solids	mg/L	11/23/15 - 05/06/24	30	0	CB around linear reg	398	840
G404	UA	E005	Antimony, total	mg/L	11/21/15 - 05/06/24	26	96	CB around T-S line	0.00247	0.003

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G404	UA	E005	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	87	CI around median	0.001	0.00660
G404	UA	E005	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.0219	0.140
G404	UA	E005	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.001
G404	UA	E005	Boron, total	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	6.36	0.0290
G404	UA	E005	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.001	0.001
G404	UA	E005	Chloride, total	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	95.5	75.0
G404	UA	E005	Chromium, total	mg/L	11/21/15 - 05/06/24	29	97	CB around T-S line	0.00335	0.0190
G404	UA	E005	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	93	CI around median	0.002	0.00590
G404	UA	E005	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	71	CB around T-S line	0.211	0.513
G404	UA	E005	Lead, total	mg/L	11/21/15 - 05/06/24	28	97	CI around median	0.001	0.0120
G404	UA	E005	Lithium, total	mg/L	11/21/15 - 05/06/24	29	76	CI around median	0.01	0.0190
G404	UA	E005	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.0002
G404	UA	E005	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.0015	0.00450
G404	UA	E005	pH (field)	SU	11/21/15 - 05/06/24	30	0	CB around linear reg	6.5/6.8	6.6/7.5
G404	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around mean	0.592	1.89
G404	UA	E005	Selenium, total	mg/L	11/21/15 - 05/06/24	29	100	All ND - Last	0.001	0.00480
G404	UA	E005	Sulfate, total	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	426	370
G404	UA	E005	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.001
G404	UA	E005	Total Dissolved Solids	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	1,170	840
G405	UA	E005	Antimony, total	mg/L	11/21/15 - 05/06/24	26	93	CB around T-S line	0.00233	0.003
G405	UA	E005	Arsenic, total	mg/L	11/21/15 - 05/06/24	29	33	CB around T-S line	-0.00194	0.00660
G405	UA	E005	Barium, total	mg/L	11/21/15 - 05/06/24	29	0	CB around linear reg	0.00761	0.140
G405	UA	E005	Beryllium, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.001	0.001
G405	UA	E005	Boron, total	mg/L	11/21/15 - 05/06/24	30	0	CI around mean	9.38	0.0290
G405	UA	E005	Cadmium, total	mg/L	11/21/15 - 05/06/24	29	97	CI around median	0.001	0.001
G405	UA	E005	Chloride, total	mg/L	11/21/15 - 05/06/24	30	0	CI around geomean	9.58	75.0
G405	UA	E005	Chromium, total	mg/L	11/21/15 - 05/06/24	29	90	CB around T-S line	0.0033	0.0190

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G405	UA	E005	Cobalt, total	mg/L	11/21/15 - 05/06/24	29	67	CB around T-S line	0.000972	0.00590
G405	UA	E005	Fluoride, total	mg/L	11/21/15 - 05/06/24	30	10	CB around linear reg	0.241	0.513
G405	UA	E005	Lead, total	mg/L	11/21/15 - 05/06/24	28	52	CB around T-S line	-0.000825	0.0120
G405	UA	E005	Lithium, total	mg/L	11/21/15 - 05/06/24	29	90	CI around median	0.01	0.0190
G405	UA	E005	Mercury, total	mg/L	11/21/15 - 05/06/24	28	100	All ND - Last	0.0002	0.0002
G405	UA	E005	Molybdenum, total	mg/L	11/21/15 - 05/06/24	29	43	CI around median	0.001	0.00450
G405	UA	E005	pH (field)	SU	11/21/15 - 05/06/24	30	0	CI around mean	6.8/7.0	6.6/7.5
G405	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/21/15 - 05/06/24	29	0	CI around median	0.541	1.89
G405	UA	E005	Selenium, total	mg/L	11/21/15 - 05/06/24	29	90	CI around median	0.001	0.00480
G405	UA	E005	Sulfate, total	mg/L	11/21/15 - 05/06/24	30	0	CB around linear reg	474	370
G405	UA	E005	Thallium, total	mg/L	11/21/15 - 05/06/24	26	100	All ND - Last	0.002	0.001
G405	UA	E005	Total Dissolved Solids	mg/L	11/21/15 - 05/06/24	30	0	CI around mean	1,550	840
G406	UA	E005	Antimony, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.003
G406	UA	E005	Arsenic, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.001	0.00660
G406	UA	E005	Barium, total	mg/L	10/14/20 - 05/06/24	15	0	CI around median	0.0124	0.140
G406	UA	E005	Beryllium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.001
G406	UA	E005	Boron, total	mg/L	10/14/20 - 05/06/24	15	0	CI around median	1.4	0.0290
G406	UA	E005	Cadmium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.001
G406	UA	E005	Chloride, total	mg/L	10/14/20 - 05/06/24	15	13	CI around mean	3.06	75.0
G406	UA	E005	Chromium, total	mg/L	10/14/20 - 05/06/24	15	93	CB around T-S line	0.00081	0.0190
G406	UA	E005	Cobalt, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.00590
G406	UA	E005	Fluoride, total	mg/L	10/14/20 - 05/06/24	15	13	CI around median	0.273	0.513
G406	UA	E005	Lead, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.001	0.0120
G406	UA	E005	Lithium, total	mg/L	10/14/20 - 05/06/24	15	73	CB around T-S line	0.0107	0.0190
G406	UA	E005	Mercury, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.0002	0.0002
G406	UA	E005	Molybdenum, total	mg/L	10/14/20 - 05/06/24	15	93	CI around median	0.001	0.00450
G406	UA	E005	pH (field)	SU	10/14/20 - 05/06/24	15	0	CI around mean	6.5/6.7	6.6/7.5

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G406	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 05/06/24	15	0	CI around mean	0.272	1.89
G406	UA	E005	Selenium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.001	0.00480
G406	UA	E005	Sulfate, total	mg/L	10/14/20 - 05/06/24	15	0	CI around median	450	370
G406	UA	E005	Thallium, total	mg/L	10/14/20 - 05/06/24	15	100	All ND - Last	0.002	0.001
G406	UA	E005	Total Dissolved Solids	mg/L	10/14/20 - 05/06/24	15	0	CI around mean	1,010	840
G407	UA	E005	Antimony, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.003
G407	UA	E005	Arsenic, total	mg/L	10/14/20 - 04/29/24	15	87	CI around median	0.001	0.00660
G407	UA	E005	Barium, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	0.0118	0.140
G407	UA	E005	Beryllium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.001
G407	UA	E005	Boron, total	mg/L	10/14/20 - 04/29/24	15	0	CI around mean	0.0737	0.0290
G407	UA	E005	Cadmium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.001
G407	UA	E005	Chloride, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	11	75.0
G407	UA	E005	Chromium, total	mg/L	10/14/20 - 04/29/24	15	80	CI around median	0.0015	0.0190
G407	UA	E005	Cobalt, total	mg/L	10/14/20 - 04/29/24	15	87	CI around median	0.001	0.00590
G407	UA	E005	Fluoride, total	mg/L	10/14/20 - 04/29/24	15	20	CI around geomean	0.268	0.513
G407	UA	E005	Lead, total	mg/L	10/14/20 - 04/29/24	15	93	CI around median	0.001	0.0120
G407	UA	E005	Lithium, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	0.038	0.0190
G407	UA	E005	Mercury, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.0002	0.0002
G407	UA	E005	Molybdenum, total	mg/L	10/14/20 - 04/29/24	15	20	CI around geomean	0.00107	0.00450
G407	UA	E005	pH (field)	SU	10/14/20 - 04/29/24	15	0	CI around mean	6.6/6.7	6.6/7.5
G407	UA	E005	Radium 226 + Radium 228, total	pCi/L	10/14/20 - 04/29/24	15	0	CI around mean	0.276	1.89
G407	UA	E005	Selenium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.001	0.00480
G407	UA	E005	Sulfate, total	mg/L	10/14/20 - 04/29/24	15	0	CI around median	830	370
G407	UA	E005	Thallium, total	mg/L	10/14/20 - 04/29/24	15	100	All ND - Last	0.002	0.001
G407	UA	E005	Total Dissolved Solids	mg/L	10/14/20 - 04/29/24	15	0	CI around mean	1,910	840

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 2
COFFEEN, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

HSU = hydrostratigraphic unit:

LCU = Lower Confining Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result

Statistical Calculation = method used to calculate the statistical result:

All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown

CB around T-S line = Confidence band around Thiel-Sen line

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

Most recent sample = Result for the most recently collected sample used due to insufficient data

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination