



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

June 7, 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. 1; IEPA ID # W1350150004-01

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 1, 2024 sampling event at the Coffeen Power Plant Ash Pond No. 1, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-01. 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 GWPS.

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) was initiated on January 14, 2024 in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case-by-case basis, as opposed to generating a new CMA. As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) will be evaluated for the detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to IEPA within 60 days of this transmittal.

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 1, 2024, Ash Pond No. 1, Coffeen Power Plant, Coffeen, Illinois

**35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 1, 2024
ASH POND NO. 1, COFFEEN POWER PLANT, COFFEEN, ILLINOIS**

June 7, 2024

Samples were collected between February 13 and 19, 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 April 8, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 1, 2024 sampling event. Monitoring well G307 was noted as artesian and a depth to water was not obtained during this event. **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 1, 2024 sampling event.

Statistical procedures used to evaluate groundwater results are provided in Appendix A of the Groundwater Monitoring Plan¹ provided in the operating permit application. In accordance with 35 I.A.C. § 845.610(b)(3)(B), the Quarter 1, 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.

A Corrective Measures Assessment (CMA) was initiated on January 14, 2024 in accordance with 35 I.A.C. § 845.660. GWPS exceedances for subsequent events will be incorporated into the CMA on a case-by-case basis, as opposed to generating a new CMA.

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) will be evaluated for any new detected exceedances of the GWPS and, if successfully completed, the ASD will be submitted to Illinois Environmental Protection Agency within 60 days of this transmittal.

TABLES

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

FIGURES

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



ATTACHMENTS

Attachment A Groundwater Elevation Data - Quarter 1, 2024

Attachment B Laboratory Reports and Field Data Sheets - Quarter 1, 2024

Attachment C Comparison of Statistical Results to Background - Quarter 1, 2024

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G281	Background	E004	02/15/2024	Antimony, total	0.0004 U	mg/L
G281	Background	E004	02/15/2024	Arsenic, total	0.001 UJ	mg/L
G281	Background	E004	02/15/2024	Barium, total	0.0785	mg/L
G281	Background	E004	02/15/2024	Beryllium, total	0.0002 U	mg/L
G281	Background	E004	02/15/2024	Boron, total	0.02 UJ	mg/L
G281	Background	E004	02/15/2024	Cadmium, total	0.0002 U	mg/L
G281	Background	E004	02/15/2024	Calcium, total	151	mg/L
G281	Background	E004	02/15/2024	Chloride, total	75.0	mg/L
G281	Background	E004	02/15/2024	Chromium, total	0.00310 J+	mg/L
G281	Background	E004	02/15/2024	Cobalt, total	0.001 UJ	mg/L
G281	Background	E004	02/15/2024	Dissolved Oxygen	2.53	mg/L
G281	Background	E004	02/15/2024	Fluoride, total	0.270	mg/L
G281	Background	E004	02/15/2024	Lead, total	0.00120	mg/L
G281	Background	E004	02/15/2024	Lithium, total	0.00600	mg/L
G281	Background	E004	02/15/2024	Mercury, total	0.00008 U	mg/L
G281	Background	E004	02/15/2024	Molybdenum, total	0.0006 U	mg/L
G281	Background	E004	02/15/2024	Oxidation Reduction Potential	156	mV
G281	Background	E004	02/15/2024	pH (field)	6.9	SU
G281	Background	E004	02/15/2024	Radium 226 + Radium 228, total	2.04	pCi/L
G281	Background	E004	02/15/2024	Selenium, total	0.0006 U	mg/L
G281	Background	E004	02/15/2024	Specific Conductance @ 25C (field)	1,370	micromhos/cm
G281	Background	E004	02/15/2024	Sulfate, total	289	mg/L
G281	Background	E004	02/15/2024	Temperature	12.8	degrees C
G281	Background	E004	02/15/2024	Thallium, total	0.001 U	mg/L
G281	Background	E004	02/15/2024	Total Dissolved Solids	850	mg/L
G281	Background	E004	02/15/2024	Turbidity, field	31.0	NTU
G306	Background	E004	02/14/2024	Antimony, total	0.00260 J+	mg/L
G306	Background	E004	02/14/2024	Arsenic, total	0.001 UJ	mg/L
G306	Background	E004	02/14/2024	Barium, total	0.0379	mg/L
G306	Background	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L
G306	Background	E004	02/14/2024	Boron, total	2.32	mg/L
G306	Background	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G306	Background	E004	02/14/2024	Calcium, total	84.1	mg/L
G306	Background	E004	02/14/2024	Chloride, total	2 J	mg/L
G306	Background	E004	02/14/2024	Chromium, total	0.00260 J+	mg/L
G306	Background	E004	02/14/2024	Cobalt, total	0.001 UJ	mg/L
G306	Background	E004	02/14/2024	Dissolved Oxygen	2.42	mg/L
G306	Background	E004	02/14/2024	Fluoride, total	0.170	mg/L
G306	Background	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G306	Background	E004	02/14/2024	Lithium, total	0.00490	mg/L
G306	Background	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G306	Background	E004	02/14/2024	Molybdenum, total	0.0015 UJ	mg/L
G306	Background	E004	02/14/2024	Oxidation Reduction Potential	137	mV
G306	Background	E004	02/14/2024	pH (field)	6.3	SU
G306	Background	E004	02/14/2024	Radium 226 + Radium 228, total	0.272	pCi/L
G306	Background	E004	02/14/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G306	Background	E004	02/14/2024	Specific Conductance @ 25C (field)	663	micromhos/cm
G306	Background	E004	02/14/2024	Sulfate, total	141	mg/L
G306	Background	E004	02/14/2024	Temperature	12.9	degrees C
G306	Background	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G306	Background	E004	02/14/2024	Total Dissolved Solids	476	mg/L
G306	Background	E004	02/14/2024	Turbidity, field	30.0	NTU
G301	Compliance	E004	02/19/2024	Antimony, total	0.00190 J+	mg/L
G301	Compliance	E004	02/19/2024	Arsenic, total	0.001 UJ	mg/L
G301	Compliance	E004	02/19/2024	Barium, total	0.0254	mg/L
G301	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G301	Compliance	E004	02/19/2024	Boron, total	2.62	mg/L
G301	Compliance	E004	02/19/2024	Cadmium, total	0.0002 U	mg/L
G301	Compliance	E004	02/19/2024	Calcium, total	109	mg/L
G301	Compliance	E004	02/19/2024	Chloride, total	12.0	mg/L
G301	Compliance	E004	02/19/2024	Chromium, total	0.00300 J+	mg/L
G301	Compliance	E004	02/19/2024	Cobalt, total	0.00220 J+	mg/L
G301	Compliance	E004	02/19/2024	Dissolved Oxygen	0.720	mg/L
G301	Compliance	E004	02/19/2024	Fluoride, total	0.260	mg/L
G301	Compliance	E004	02/19/2024	Lead, total	0.00100	mg/L
G301	Compliance	E004	02/19/2024	Lithium, total	0.00600	mg/L
G301	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G301	Compliance	E004	02/19/2024	Molybdenum, total	0.0006 U	mg/L
G301	Compliance	E004	02/19/2024	Oxidation Reduction Potential	110	mV
G301	Compliance	E004	02/19/2024	pH (field)	6.6	SU
G301	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.0195	pCi/L
G301	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G301	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	991	micromhos/cm
G301	Compliance	E004	02/19/2024	Sulfate, total	480	mg/L
G301	Compliance	E004	02/19/2024	Temperature	12.2	degrees C
G301	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G301	Compliance	E004	02/19/2024	Total Dissolved Solids	912	mg/L
G301	Compliance	E004	02/19/2024	Turbidity, field	22.0	NTU
G302	Compliance	E004	02/19/2024	Antimony, total	0.0007 U	mg/L
G302	Compliance	E004	02/19/2024	Arsenic, total	0.00160 J+	mg/L
G302	Compliance	E004	02/19/2024	Barium, total	0.0464	mg/L
G302	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G302	Compliance	E004	02/19/2024	Boron, total	2.41	mg/L
G302	Compliance	E004	02/19/2024	Cadmium, total	0.0002 U	mg/L
G302	Compliance	E004	02/19/2024	Calcium, total	191	mg/L
G302	Compliance	E004	02/19/2024	Chloride, total	23.0	mg/L
G302	Compliance	E004	02/19/2024	Chromium, total	0.00360 J+	mg/L
G302	Compliance	E004	02/19/2024	Cobalt, total	0.00240 J+	mg/L
G302	Compliance	E004	02/19/2024	Dissolved Oxygen	1.64	mg/L
G302	Compliance	E004	02/19/2024	Fluoride, total	0.240	mg/L
G302	Compliance	E004	02/19/2024	Lead, total	0.00150	mg/L
G302	Compliance	E004	02/19/2024	Lithium, total	0.0154	mg/L

TABLE 1.
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845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G302	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G302	Compliance	E004	02/19/2024	Molybdenum, total	0.0015 UJ	mg/L
G302	Compliance	E004	02/19/2024	Oxidation Reduction Potential	25.0	mV
G302	Compliance	E004	02/19/2024	pH (field)	6.7	SU
G302	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.158	pCi/L
G302	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G302	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	1,370	micromhos/cm
G302	Compliance	E004	02/19/2024	Sulfate, total	592	mg/L
G302	Compliance	E004	02/19/2024	Temperature	12.5	degrees C
G302	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G302	Compliance	E004	02/19/2024	Total Dissolved Solids	1,160	mg/L
G302	Compliance	E004	02/19/2024	Turbidity, field	69.0	NTU
G303	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G303	Compliance	E004	02/14/2024	Arsenic, total	0.00120 J+	mg/L
G303	Compliance	E004	02/14/2024	Barium, total	0.0156 J+	mg/L
G303	Compliance	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L
G303	Compliance	E004	02/14/2024	Boron, total	2.28	mg/L
G303	Compliance	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G303	Compliance	E004	02/14/2024	Calcium, total	172	mg/L
G303	Compliance	E004	02/14/2024	Chloride, total	27.0	mg/L
G303	Compliance	E004	02/14/2024	Chromium, total	0.0012 U	mg/L
G303	Compliance	E004	02/14/2024	Cobalt, total	0.00110 J+	mg/L
G303	Compliance	E004	02/14/2024	Dissolved Oxygen	1.38	mg/L
G303	Compliance	E004	02/14/2024	Fluoride, total	0.290	mg/L
G303	Compliance	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G303	Compliance	E004	02/14/2024	Lithium, total	0.0288	mg/L
G303	Compliance	E004	02/14/2024	Mercury, total	0.00008 U	mg/L
G303	Compliance	E004	02/14/2024	Molybdenum, total	0.00190 J+	mg/L
G303	Compliance	E004	02/14/2024	Oxidation Reduction Potential	116	mV
G303	Compliance	E004	02/14/2024	pH (field)	6.7	SU
G303	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.292	pCi/L
G303	Compliance	E004	02/14/2024	Selenium, total	0.0006 U	mg/L
G303	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	1,750	micromhos/cm
G303	Compliance	E004	02/14/2024	Sulfate, total	642	mg/L
G303	Compliance	E004	02/14/2024	Temperature	11.7	degrees C
G303	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G303	Compliance	E004	02/14/2024	Total Dissolved Solids	1,560	mg/L
G303	Compliance	E004	02/14/2024	Turbidity, field	31.0	NTU
G305	Compliance	E004	02/19/2024	Antimony, total	0.0007 U	mg/L
G305	Compliance	E004	02/19/2024	Arsenic, total	0.001 UJ	mg/L
G305	Compliance	E004	02/19/2024	Barium, total	0.0328	mg/L
G305	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G305	Compliance	E004	02/19/2024	Boron, total	2.76	mg/L
G305	Compliance	E004	02/19/2024	Cadmium, total	0.0002 U	mg/L
G305	Compliance	E004	02/19/2024	Calcium, total	180	mg/L
G305	Compliance	E004	02/19/2024	Chloride, total	18.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G305	Compliance	E004	02/19/2024	Chromium, total	0.00220 J+	mg/L
G305	Compliance	E004	02/19/2024	Cobalt, total	0.001 UJ	mg/L
G305	Compliance	E004	02/19/2024	Dissolved Oxygen	0.640	mg/L
G305	Compliance	E004	02/19/2024	Fluoride, total	0.460	mg/L
G305	Compliance	E004	02/19/2024	Lead, total	0.00110	mg/L
G305	Compliance	E004	02/19/2024	Lithium, total	0.00800	mg/L
G305	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G305	Compliance	E004	02/19/2024	Molybdenum, total	0.0015 UJ	mg/L
G305	Compliance	E004	02/19/2024	Oxidation Reduction Potential	96.0	mV
G305	Compliance	E004	02/19/2024	pH (field)	7.2	SU
G305	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.106	pCi/L
G305	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G305	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	1,440	micromhos/cm
G305	Compliance	E004	02/19/2024	Sulfate, total	818	mg/L
G305	Compliance	E004	02/19/2024	Temperature	13.1	degrees C
G305	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G305	Compliance	E004	02/19/2024	Total Dissolved Solids	1,430	mg/L
G305	Compliance	E004	02/19/2024	Turbidity, field	24.0	NTU
G307	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G307	Compliance	E004	02/14/2024	Arsenic, total	0.00460 J+	mg/L
G307	Compliance	E004	02/14/2024	Barium, total	0.0729	mg/L
G307	Compliance	E004	02/14/2024	Beryllium, total	0.0005 J	mg/L
G307	Compliance	E004	02/14/2024	Boron, total	2.10	mg/L
G307	Compliance	E004	02/14/2024	Cadmium, total	0.00130 J+	mg/L
G307	Compliance	E004	02/14/2024	Calcium, total	166	mg/L
G307	Compliance	E004	02/14/2024	Chloride, total	11.0	mg/L
G307	Compliance	E004	02/14/2024	Chromium, total	0.0192	mg/L
G307	Compliance	E004	02/14/2024	Cobalt, total	0.00660	mg/L
G307	Compliance	E004	02/14/2024	Dissolved Oxygen	1.09	mg/L
G307	Compliance	E004	02/14/2024	Fluoride, total	0.350	mg/L
G307	Compliance	E004	02/14/2024	Lead, total	0.00950	mg/L
G307	Compliance	E004	02/14/2024	Lithium, total	0.0133	mg/L
G307	Compliance	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G307	Compliance	E004	02/14/2024	Molybdenum, total	0.0015 UJ	mg/L
G307	Compliance	E004	02/14/2024	Oxidation Reduction Potential	99.0	mV
G307	Compliance	E004	02/14/2024	pH (field)	6.9	SU
G307	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.382	pCi/L
G307	Compliance	E004	02/14/2024	Selenium, total	0.0006 U	mg/L
G307	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	1,050	micromhos/cm
G307	Compliance	E004	02/14/2024	Sulfate, total	464	mg/L
G307	Compliance	E004	02/14/2024	Temperature	14.8	degrees C
G307	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G307	Compliance	E004	02/14/2024	Total Dissolved Solids	865	mg/L
G307	Compliance	E004	02/14/2024	Turbidity, field	260	NTU
G307D	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G307D	Compliance	E004	02/14/2024	Arsenic, total	0.00180 J+	mg/L

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 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G307D	Compliance	E004	02/14/2024	Barium, total	0.0215 J+	mg/L
G307D	Compliance	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L
G307D	Compliance	E004	02/14/2024	Boron, total	1.89	mg/L
G307D	Compliance	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G307D	Compliance	E004	02/14/2024	Calcium, total	159	mg/L
G307D	Compliance	E004	02/14/2024	Chloride, total	13.0	mg/L
G307D	Compliance	E004	02/14/2024	Chromium, total	0.0015 UJ	mg/L
G307D	Compliance	E004	02/14/2024	Cobalt, total	0.001 UJ	mg/L
G307D	Compliance	E004	02/14/2024	Dissolved Oxygen	2.50	mg/L
G307D	Compliance	E004	02/14/2024	Fluoride, total	0.520	mg/L
G307D	Compliance	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G307D	Compliance	E004	02/14/2024	Lithium, total	0.0023 J	mg/L
G307D	Compliance	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G307D	Compliance	E004	02/14/2024	Molybdenum, total	0.00260 J+	mg/L
G307D	Compliance	E004	02/14/2024	Oxidation Reduction Potential	30.0	mV
G307D	Compliance	E004	02/14/2024	pH (field)	7.1	SU
G307D	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.318	pCi/L
G307D	Compliance	E004	02/14/2024	Selenium, total	0.0006 U	mg/L
G307D	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	1,210	micromhos/cm
G307D	Compliance	E004	02/14/2024	Sulfate, total	605	mg/L
G307D	Compliance	E004	02/14/2024	Temperature	14.1	degrees C
G307D	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G307D	Compliance	E004	02/14/2024	Total Dissolved Solids	1,080	mg/L
G307D	Compliance	E004	02/14/2024	Turbidity, field	16.0	NTU
G308	Compliance	E004	02/16/2024	Antimony, total	0.0004 U	mg/L
G308	Compliance	E004	02/16/2024	Arsenic, total	0.00120 J+	mg/L
G308	Compliance	E004	02/16/2024	Barium, total	0.0297	mg/L
G308	Compliance	E004	02/16/2024	Beryllium, total	0.0002 U	mg/L
G308	Compliance	E004	02/16/2024	Boron, total	3.39	mg/L
G308	Compliance	E004	02/16/2024	Cadmium, total	0.0002 U	mg/L
G308	Compliance	E004	02/16/2024	Calcium, total	188	mg/L
G308	Compliance	E004	02/16/2024	Chloride, total	10.0	mg/L
G308	Compliance	E004	02/16/2024	Chromium, total	0.00330 J+	mg/L
G308	Compliance	E004	02/16/2024	Cobalt, total	0.001 UJ	mg/L
G308	Compliance	E004	02/16/2024	Dissolved Oxygen	0.560	mg/L
G308	Compliance	E004	02/16/2024	Fluoride, total	0.570	mg/L
G308	Compliance	E004	02/16/2024	Lead, total	0.0008 J	mg/L
G308	Compliance	E004	02/16/2024	Lithium, total	0.00980	mg/L
G308	Compliance	E004	02/16/2024	Mercury, total	0.00006 U	mg/L
G308	Compliance	E004	02/16/2024	Molybdenum, total	0.00170 J+	mg/L
G308	Compliance	E004	02/16/2024	Oxidation Reduction Potential	119	mV
G308	Compliance	E004	02/16/2024	pH (field)	7.1	SU
G308	Compliance	E004	02/16/2024	Radium 226 + Radium 228, total	0.0476	pCi/L
G308	Compliance	E004	02/16/2024	Selenium, total	0.0006 U	mg/L
G308	Compliance	E004	02/16/2024	Specific Conductance @ 25C (field)	1,530	micromhos/cm
G308	Compliance	E004	02/16/2024	Sulfate, total	835	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024

845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G308	Compliance	E004	02/16/2024	Temperature	11.3	degrees C
G308	Compliance	E004	02/16/2024	Thallium, total	0.001 U	mg/L
G308	Compliance	E004	02/16/2024	Total Dissolved Solids	1,530	mg/L
G308	Compliance	E004	02/16/2024	Turbidity, field	6.80	NTU
G310	Compliance	E004	02/19/2024	Antimony, total	0.0007 U	mg/L
G310	Compliance	E004	02/19/2024	Arsenic, total	0.0004 U	mg/L
G310	Compliance	E004	02/19/2024	Barium, total	0.0183 J+	mg/L
G310	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G310	Compliance	E004	02/19/2024	Boron, total	2.21	mg/L
G310	Compliance	E004	02/19/2024	Cadmium, total	0.001 UJ	mg/L
G310	Compliance	E004	02/19/2024	Calcium, total	143	mg/L
G310	Compliance	E004	02/19/2024	Chloride, total	12.0	mg/L
G310	Compliance	E004	02/19/2024	Chromium, total	0.0015 UJ	mg/L
G310	Compliance	E004	02/19/2024	Cobalt, total	0.00160 J+	mg/L
G310	Compliance	E004	02/19/2024	Dissolved Oxygen	0.520	mg/L
G310	Compliance	E004	02/19/2024	Fluoride, total	0.290	mg/L
G310	Compliance	E004	02/19/2024	Lead, total	0.0006 U	mg/L
G310	Compliance	E004	02/19/2024	Lithium, total	0.00680	mg/L
G310	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G310	Compliance	E004	02/19/2024	Molybdenum, total	0.0006 U	mg/L
G310	Compliance	E004	02/19/2024	Oxidation Reduction Potential	93.0	mV
G310	Compliance	E004	02/19/2024	pH (field)	7.1	SU
G310	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.401	pCi/L
G310	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G310	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	1,140	micromhos/cm
G310	Compliance	E004	02/19/2024	Sulfate, total	620	mg/L
G310	Compliance	E004	02/19/2024	Temperature	12.7	degrees C
G310	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G310	Compliance	E004	02/19/2024	Total Dissolved Solids	1,030	mg/L
G310	Compliance	E004	02/19/2024	Turbidity, field	2.30	NTU
G312	Compliance	E004	02/19/2024	Antimony, total	0.0007 U	mg/L
G312	Compliance	E004	02/19/2024	Arsenic, total	0.001 UJ	mg/L
G312	Compliance	E004	02/19/2024	Barium, total	0.0323	mg/L
G312	Compliance	E004	02/19/2024	Beryllium, total	0.0002 U	mg/L
G312	Compliance	E004	02/19/2024	Boron, total	3.15	mg/L
G312	Compliance	E004	02/19/2024	Cadmium, total	0.0002 U	mg/L
G312	Compliance	E004	02/19/2024	Calcium, total	188	mg/L
G312	Compliance	E004	02/19/2024	Chloride, total	23.0	mg/L
G312	Compliance	E004	02/19/2024	Chromium, total	0.0015 UJ	mg/L
G312	Compliance	E004	02/19/2024	Cobalt, total	0.00150 J+	mg/L
G312	Compliance	E004	02/19/2024	Dissolved Oxygen	1.15	mg/L
G312	Compliance	E004	02/19/2024	Fluoride, total	0.200	mg/L
G312	Compliance	E004	02/19/2024	Lead, total	0.0006 U	mg/L
G312	Compliance	E004	02/19/2024	Lithium, total	0.0161	mg/L
G312	Compliance	E004	02/19/2024	Mercury, total	0.00006 U	mg/L
G312	Compliance	E004	02/19/2024	Molybdenum, total	0.0006 U	mg/L

TABLE 1.
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 ASH POND NO. 1
 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G312	Compliance	E004	02/19/2024	Oxidation Reduction Potential	84.0	mV
G312	Compliance	E004	02/19/2024	pH (field)	6.3	SU
G312	Compliance	E004	02/19/2024	Radium 226 + Radium 228, total	0.235	pCi/L
G312	Compliance	E004	02/19/2024	Selenium, total	0.0006 U	mg/L
G312	Compliance	E004	02/19/2024	Specific Conductance @ 25C (field)	1,450	micromhos/cm
G312	Compliance	E004	02/19/2024	Sulfate, total	779	mg/L
G312	Compliance	E004	02/19/2024	Temperature	12.6	degrees C
G312	Compliance	E004	02/19/2024	Thallium, total	0.001 U	mg/L
G312	Compliance	E004	02/19/2024	Total Dissolved Solids	1,540	mg/L
G312	Compliance	E004	02/19/2024	Turbidity, field	3.40	NTU
G313	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G313	Compliance	E004	02/13/2024	Arsenic, total	0.0004 U	mg/L
G313	Compliance	E004	02/13/2024	Barium, total	0.0175 J+	mg/L
G313	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G313	Compliance	E004	02/13/2024	Boron, total	3.15	mg/L
G313	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G313	Compliance	E004	02/13/2024	Calcium, total	188	mg/L
G313	Compliance	E004	02/13/2024	Chloride, total	20.0	mg/L
G313	Compliance	E004	02/13/2024	Chromium, total	0.0012 U	mg/L
G313	Compliance	E004	02/13/2024	Cobalt, total	0.001 UJ	mg/L
G313	Compliance	E004	02/13/2024	Dissolved Oxygen	0.340	mg/L
G313	Compliance	E004	02/13/2024	Fluoride, total	0.280	mg/L
G313	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G313	Compliance	E004	02/13/2024	Lithium, total	0.0267	mg/L
G313	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G313	Compliance	E004	02/13/2024	Molybdenum, total	0.0015 UJ	mg/L
G313	Compliance	E004	02/13/2024	Oxidation Reduction Potential	91.0	mV
G313	Compliance	E004	02/13/2024	pH (field)	6.8	SU
G313	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.339	pCi/L
G313	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G313	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	1,630	micromhos/cm
G313	Compliance	E004	02/13/2024	Sulfate, total	726	mg/L
G313	Compliance	E004	02/13/2024	Temperature	12.2	degrees C
G313	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G313	Compliance	E004	02/13/2024	Total Dissolved Solids	1,270	mg/L
G313	Compliance	E004	02/13/2024	Turbidity, field	33.0	NTU
G314	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G314	Compliance	E004	02/13/2024	Arsenic, total	0.001 UJ	mg/L
G314	Compliance	E004	02/13/2024	Barium, total	0.0158 J+	mg/L
G314	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G314	Compliance	E004	02/13/2024	Boron, total	0.135 J+	mg/L
G314	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G314	Compliance	E004	02/13/2024	Calcium, total	581	mg/L
G314	Compliance	E004	02/13/2024	Chloride, total	32.0	mg/L
G314	Compliance	E004	02/13/2024	Chromium, total	0.00190 J+	mg/L
G314	Compliance	E004	02/13/2024	Cobalt, total	0.00140 J+	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024

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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G314	Compliance	E004	02/13/2024	Dissolved Oxygen	0.540	mg/L
G314	Compliance	E004	02/13/2024	Fluoride, total	0.220	mg/L
G314	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G314	Compliance	E004	02/13/2024	Lithium, total	0.00610	mg/L
G314	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G314	Compliance	E004	02/13/2024	Molybdenum, total	0.0015 UJ	mg/L
G314	Compliance	E004	02/13/2024	Oxidation Reduction Potential	5.00	mV
G314	Compliance	E004	02/13/2024	pH (field)	6.6	SU
G314	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.381	pCi/L
G314	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G314	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	2,980	micromhos/cm
G314	Compliance	E004	02/13/2024	Sulfate, total	2,270	mg/L
G314	Compliance	E004	02/13/2024	Temperature	11.8	degrees C
G314	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G314	Compliance	E004	02/13/2024	Total Dissolved Solids	3,430	mg/L
G314	Compliance	E004	02/13/2024	Turbidity, field	120	NTU
G314D	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G314D	Compliance	E004	02/13/2024	Arsenic, total	0.00460 J+	mg/L
G314D	Compliance	E004	02/13/2024	Barium, total	0.0335	mg/L
G314D	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G314D	Compliance	E004	02/13/2024	Boron, total	0.176	mg/L
G314D	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G314D	Compliance	E004	02/13/2024	Calcium, total	276	mg/L
G314D	Compliance	E004	02/13/2024	Chloride, total	58.0	mg/L
G314D	Compliance	E004	02/13/2024	Chromium, total	0.0012 U	mg/L
G314D	Compliance	E004	02/13/2024	Cobalt, total	0.00280 J+	mg/L
G314D	Compliance	E004	02/13/2024	Dissolved Oxygen	0.400	mg/L
G314D	Compliance	E004	02/13/2024	Fluoride, total	0.590	mg/L
G314D	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G314D	Compliance	E004	02/13/2024	Lithium, total	0.0173	mg/L
G314D	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G314D	Compliance	E004	02/13/2024	Molybdenum, total	0.00390 J+	mg/L
G314D	Compliance	E004	02/13/2024	Oxidation Reduction Potential	-16.0	mV
G314D	Compliance	E004	02/13/2024	pH (field)	6.8	SU
G314D	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	1.61	pCi/L
G314D	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G314D	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	2,520	micromhos/cm
G314D	Compliance	E004	02/13/2024	Sulfate, total	1,160	mg/L
G314D	Compliance	E004	02/13/2024	Temperature	12.5	degrees C
G314D	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G314D	Compliance	E004	02/13/2024	Total Dissolved Solids	2,220	mg/L
G314D	Compliance	E004	02/13/2024	Turbidity, field	120	NTU
G315	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G315	Compliance	E004	02/14/2024	Arsenic, total	0.0004 U	mg/L
G315	Compliance	E004	02/14/2024	Barium, total	0.0175 J+	mg/L
G315	Compliance	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024

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 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G315	Compliance	E004	02/14/2024	Boron, total	1.40	mg/L
G315	Compliance	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G315	Compliance	E004	02/14/2024	Calcium, total	143	mg/L
G315	Compliance	E004	02/14/2024	Chloride, total	12.0	mg/L
G315	Compliance	E004	02/14/2024	Chromium, total	0.0015 UJ	mg/L
G315	Compliance	E004	02/14/2024	Cobalt, total	0.001 UJ	mg/L
G315	Compliance	E004	02/14/2024	Dissolved Oxygen	0.620	mg/L
G315	Compliance	E004	02/14/2024	Fluoride, total	1.48	mg/L
G315	Compliance	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G315	Compliance	E004	02/14/2024	Lithium, total	0.00460	mg/L
G315	Compliance	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G315	Compliance	E004	02/14/2024	Molybdenum, total	0.0006 U	mg/L
G315	Compliance	E004	02/14/2024	Oxidation Reduction Potential	153	mV
G315	Compliance	E004	02/14/2024	pH (field)	6.7	SU
G315	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.324	pCi/L
G315	Compliance	E004	02/14/2024	Selenium, total	0.0006 U	mg/L
G315	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	1,160	micromhos/cm
G315	Compliance	E004	02/14/2024	Sulfate, total	537	mg/L
G315	Compliance	E004	02/14/2024	Temperature	11.8	degrees C
G315	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G315	Compliance	E004	02/14/2024	Total Dissolved Solids	1,040	mg/L
G315	Compliance	E004	02/14/2024	Turbidity, field	3.10	NTU
G316	Compliance	E004	02/13/2024	Antimony, total	0.00120 J+	mg/L
G316	Compliance	E004	02/13/2024	Arsenic, total	0.00790 J+	mg/L
G316	Compliance	E004	02/13/2024	Barium, total	0.0726	mg/L
G316	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G316	Compliance	E004	02/13/2024	Boron, total	0.340	mg/L
G316	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G316	Compliance	E004	02/13/2024	Calcium, total	190	mg/L
G316	Compliance	E004	02/13/2024	Chloride, total	25.0	mg/L
G316	Compliance	E004	02/13/2024	Chromium, total	0.0012 U	mg/L
G316	Compliance	E004	02/13/2024	Cobalt, total	0.00250 J+	mg/L
G316	Compliance	E004	02/13/2024	Dissolved Oxygen	0.680	mg/L
G316	Compliance	E004	02/13/2024	Fluoride, total	0.260	mg/L
G316	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G316	Compliance	E004	02/13/2024	Lithium, total	0.0016 J	mg/L
G316	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G316	Compliance	E004	02/13/2024	Molybdenum, total	0.00500 J+	mg/L
G316	Compliance	E004	02/13/2024	Oxidation Reduction Potential	-68.0	mV
G316	Compliance	E004	02/13/2024	pH (field)	6.9	SU
G316	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.858	pCi/L
G316	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G316	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	1,740	micromhos/cm
G316	Compliance	E004	02/13/2024	Sulfate, total	789	mg/L
G316	Compliance	E004	02/13/2024	Temperature	10.9	degrees C
G316	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024

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 COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G316	Compliance	E004	02/13/2024	Total Dissolved Solids	1,470	mg/L
G316	Compliance	E004	02/13/2024	Turbidity, field	1.20	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 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G301	UA	E004	Antimony, total	mg/L	11/20/15 - 02/19/24	18	94	CB around T-S line	0.00209	0.006	Standard	No Exceedance
G301	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/19/24	23	65	CI around median	0.001	0.010	Standard	No Exceedance
G301	UA	E004	Barium, total	mg/L	11/20/15 - 02/19/24	23	0	CB around T-S line	-0.0115	2.0	Standard	No Exceedance
G301	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G301	UA	E004	Boron, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	2.16	3.20	Background	No Exceedance
G301	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/19/24	23	96	CI around median	0.001	0.005	Standard	No Exceedance
G301	UA	E004	Chloride, total	mg/L	11/20/15 - 02/19/24	24	0	CB around T-S line	6.9	200	Standard	No Exceedance
G301	UA	E004	Chromium, total	mg/L	11/20/15 - 02/19/24	23	61	CB around T-S line	0.000936	0.1	Standard	No Exceedance
G301	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/19/24	23	30	CB around T-S line	0.000102	0.006	Standard	No Exceedance
G301	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/19/24	24	33	CI around median	0.25	4.0	Standard	No Exceedance
G301	UA	E004	Lead, total	mg/L	11/20/15 - 02/19/24	23	48	CI around median	0.001	0.0075	Standard	No Exceedance
G301	UA	E004	Lithium, total	mg/L	11/20/15 - 02/19/24	23	56	CI around median	0.01	0.04	Standard	No Exceedance
G301	UA	E004	Mercury, total	mg/L	11/20/15 - 02/19/24	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G301	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/19/24	23	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G301	UA	E004	pH (field)	SU	11/20/15 - 02/19/24	24	0	CI around mean	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G301	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/19/24	23	0	CI around mean	0.517	5	Standard	No Exceedance
G301	UA	E004	Selenium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G301	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/19/24	24	0	CB around linear reg	477	400	Standard	Exceedance
G301	UA	E004	Thallium, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G301	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	1,070	1,200	Standard	No Exceedance
G302	UA	E004	Antimony, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G302	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/19/24	23	22	CI around median	0.001	0.010	Standard	No Exceedance
G302	UA	E004	Barium, total	mg/L	11/20/15 - 02/19/24	23	0	CI around geomean	0.0289	2.0	Standard	No Exceedance
G302	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G302	UA	E004	Boron, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	1.65	3.20	Background	No Exceedance
G302	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/19/24	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G302	UA	E004	Chloride, total	mg/L	11/20/15 - 02/19/24	24	4	CI around mean	11.8	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G302	UA	E004	Chromium, total	mg/L	11/20/15 - 02/19/24	23	65	CI around median	0.004	0.1	Standard	No Exceedance
G302	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/19/24	23	26	CI around median	0.002	0.006	Standard	No Exceedance
G302	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/19/24	24	33	CI around median	0.25	4.0	Standard	No Exceedance
G302	UA	E004	Lead, total	mg/L	11/20/15 - 02/19/24	23	56	CI around median	0.001	0.0075	Standard	No Exceedance
G302	UA	E004	Lithium, total	mg/L	11/20/15 - 02/19/24	23	30	CI around mean	0.014	0.04	Standard	No Exceedance
G302	UA	E004	Mercury, total	mg/L	11/20/15 - 02/19/24	18	94	CI around median	0.0002	0.002	Standard	No Exceedance
G302	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/19/24	23	48	CI around median	0.001	0.1	Standard	No Exceedance
G302	UA	E004	pH (field)	SU	11/20/15 - 02/19/24	24	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G302	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/19/24	23	0	CI around geomean	0.365	5	Standard	No Exceedance
G302	UA	E004	Selenium, total	mg/L	11/20/15 - 02/19/24	22	96	CI around median	0.001	0.05	Standard	No Exceedance
G302	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	376	400	Standard	No Exceedance
G302	UA	E004	Thallium, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G302	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	969	1,200	Standard	No Exceedance
G303	UA	E004	Antimony, total	mg/L	11/20/15 - 02/14/24	18	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G303	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/14/24	23	4	CB around linear reg	-0.00257	0.010	Standard	No Exceedance
G303	UA	E004	Barium, total	mg/L	11/20/15 - 02/14/24	23	0	CI around median	0.015	2.0	Standard	No Exceedance
G303	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/14/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G303	UA	E004	Boron, total	mg/L	11/20/15 - 02/14/24	24	0	CI around mean	1.77	3.20	Background	No Exceedance
G303	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/14/24	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G303	UA	E004	Chloride, total	mg/L	11/20/15 - 02/14/24	24	0	CB around linear reg	25.1	200	Standard	No Exceedance
G303	UA	E004	Chromium, total	mg/L	11/20/15 - 02/14/24	23	87	CB around T-S line	0.0017	0.1	Standard	No Exceedance
G303	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/14/24	23	30	CI around geomean	0.00154	0.006	Standard	No Exceedance
G303	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/14/24	24	21	CI around mean	0.265	4.0	Standard	No Exceedance
G303	UA	E004	Lead, total	mg/L	11/20/15 - 02/14/24	23	83	CI around median	0.001	0.0075	Standard	No Exceedance
G303	UA	E004	Lithium, total	mg/L	11/20/15 - 02/14/24	23	0	CB around linear reg	0.0154	0.04	Standard	No Exceedance
G303	UA	E004	Mercury, total	mg/L	11/20/15 - 02/14/24	18	89	CI around median	0.0002	0.002	Standard	No Exceedance
G303	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/14/24	23	0	CI around mean	0.00177	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G303	UA	E004	pH (field)	SU	11/20/15 - 02/14/24	24	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G303	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/14/24	23	0	CI around mean	0.562	5	Standard	No Exceedance
G303	UA	E004	Selenium, total	mg/L	11/20/15 - 02/14/24	22	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G303	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/14/24	24	0	CB around linear reg	606	400	Standard	Exceedance
G303	UA	E004	Thallium, total	mg/L	11/20/15 - 02/14/24	18	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G303	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/14/24	24	0	CI around mean	1,510	1,200	Standard	Exceedance
G305	UA	E004	Antimony, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G305	UA	E004	Arsenic, total	mg/L	05/19/16 - 02/19/24	10	60	CI around median	0.001	0.010	Standard	No Exceedance
G305	UA	E004	Barium, total	mg/L	05/19/16 - 02/19/24	10	0	CI around geomean	0.0286	2.0	Standard	No Exceedance
G305	UA	E004	Beryllium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G305	UA	E004	Boron, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	2.06	3.20	Background	No Exceedance
G305	UA	E004	Cadmium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G305	UA	E004	Chloride, total	mg/L	05/19/16 - 02/19/24	10	0	CI around geomean	18.6	200	Standard	No Exceedance
G305	UA	E004	Chromium, total	mg/L	05/19/16 - 02/19/24	10	50	CI around geomean	0.00146	0.1	Standard	No Exceedance
G305	UA	E004	Cobalt, total	mg/L	05/19/16 - 02/19/24	10	70	CI around median	0.001	0.006	Standard	No Exceedance
G305	UA	E004	Fluoride, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	0.359	4.0	Standard	No Exceedance
G305	UA	E004	Lead, total	mg/L	05/19/16 - 02/19/24	10	20	CI around geomean	0.00103	0.0075	Standard	No Exceedance
G305	UA	E004	Lithium, total	mg/L	05/19/16 - 02/19/24	10	40	CI around mean	0.00629	0.04	Standard	No Exceedance
G305	UA	E004	Mercury, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G305	UA	E004	Molybdenum, total	mg/L	05/19/16 - 02/19/24	10	50	CI around geomean	0.000984	0.1	Standard	No Exceedance
G305	UA	E004	pH (field)	SU	05/19/16 - 02/19/24	10	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
G305	UA	E004	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 02/19/24	10	0	CI around geomean	0.31	5	Standard	No Exceedance
G305	UA	E004	Selenium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G305	UA	E004	Sulfate, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	808	400	Standard	Exceedance
G305	UA	E004	Thallium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G305	UA	E004	Total Dissolved Solids	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	1,360	1,200	Standard	Exceedance
G307	UA	E004	Antimony, total	mg/L	08/16/16 - 02/14/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307	UA	E004	Arsenic, total	mg/L	08/16/16 - 02/14/24	19	58	CI around median	0.001	0.010	Standard	No Exceedance
G307	UA	E004	Barium, total	mg/L	08/16/16 - 02/14/24	19	0	CI around geomean	0.0295	2.0	Standard	No Exceedance
G307	UA	E004	Beryllium, total	mg/L	08/16/16 - 02/14/24	18	94	CI around median	0.001	0.004	Standard	No Exceedance
G307	UA	E004	Boron, total	mg/L	08/16/16 - 02/14/24	20	0	CI around mean	2.01	3.20	Background	No Exceedance
G307	UA	E004	Cadmium, total	mg/L	08/16/16 - 02/14/24	19	53	CI around median	0.001	0.005	Standard	No Exceedance
G307	UA	E004	Chloride, total	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	7.82	200	Standard	No Exceedance
G307	UA	E004	Chromium, total	mg/L	08/16/16 - 02/14/24	19	47	CI around median	0.004	0.1	Standard	No Exceedance
G307	UA	E004	Cobalt, total	mg/L	08/16/16 - 02/14/24	20	0	CI around median	0.0026	0.006	Standard	No Exceedance
G307	UA	E004	Fluoride, total	mg/L	08/16/16 - 02/14/24	20	5	CI around median	0.299	4.0	Standard	No Exceedance
G307	UA	E004	Lead, total	mg/L	08/16/16 - 02/14/24	19	42	CI around median	0.001	0.0075	Standard	No Exceedance
G307	UA	E004	Lithium, total	mg/L	08/16/16 - 02/14/24	19	47	CI around median	0.0126	0.04	Standard	No Exceedance
G307	UA	E004	Mercury, total	mg/L	08/16/16 - 02/14/24	14	93	CI around median	0.0002	0.002	Standard	No Exceedance
G307	UA	E004	Molybdenum, total	mg/L	08/16/16 - 02/14/24	19	10	CI around geomean	0.0011	0.1	Standard	No Exceedance
G307	UA	E004	pH (field)	SU	08/16/16 - 02/14/24	21	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G307	UA	E004	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 02/14/24	19	0	CI around mean	0.534	5	Standard	No Exceedance
G307	UA	E004	Selenium, total	mg/L	08/16/16 - 02/14/24	18	83	CI around median	0.001	0.05	Standard	No Exceedance
G307	UA	E004	Sulfate, total	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	426	400	Standard	Exceedance
G307	UA	E004	Thallium, total	mg/L	08/16/16 - 02/14/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307	UA	E004	Total Dissolved Solids	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	896	1,200	Standard	No Exceedance
G307D	LCU	E004	Antimony, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.001	0.006	Standard	No Exceedance
G307D	LCU	E004	Arsenic, total	mg/L	03/29/21 - 02/14/24	10	20	CI around geomean	0.000898	0.010	Standard	No Exceedance
G307D	LCU	E004	Barium, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	0.0269	2.0	Standard	No Exceedance
G307D	LCU	E004	Beryllium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G307D	LCU	E004	Boron, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	1.16	3.20	Background	No Exceedance
G307D	LCU	E004	Cadmium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G307D	LCU	E004	Chloride, total	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	6.68	200	Standard	No Exceedance
G307D	LCU	E004	Chromium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307D	LCU	E004	Cobalt, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.001	0.006	Standard	No Exceedance
G307D	LCU	E004	Fluoride, total	mg/L	03/29/21 - 02/14/24	9	0	CI around mean	0.494	4.0	Standard	No Exceedance
G307D	LCU	E004	Lead, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G307D	LCU	E004	Lithium, total	mg/L	03/29/21 - 02/14/24	10	90	CB around T-S line	-0.00016	0.04	Standard	No Exceedance
G307D	LCU	E004	Mercury, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.0002	0.002	Standard	No Exceedance
G307D	LCU	E004	Molybdenum, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	0.00571	0.1	Standard	No Exceedance
G307D	LCU	E004	pH (field)	SU	03/29/21 - 02/14/24	10	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G307D	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/14/24	11	0	CI around geomean	0.21	5	Standard	No Exceedance
G307D	LCU	E004	Selenium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G307D	LCU	E004	Sulfate, total	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	497	400	Standard	Exceedance
G307D	LCU	E004	Thallium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307D	LCU	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	918	1,200	Standard	No Exceedance
G308	UA	E004	Antimony, total	mg/L	03/29/21 - 02/16/24	13	92	CB around T-S line	0.000812	0.006	Standard	No Exceedance
G308	UA	E004	Arsenic, total	mg/L	03/29/21 - 02/16/24	13	85	CI around median	0.001	0.010	Standard	No Exceedance
G308	UA	E004	Barium, total	mg/L	03/29/21 - 02/16/24	13	0	CI around mean	0.0207	2.0	Standard	No Exceedance
G308	UA	E004	Beryllium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G308	UA	E004	Boron, total	mg/L	03/29/21 - 02/16/24	13	0	CI around mean	2.44	3.20	Background	No Exceedance
G308	UA	E004	Cadmium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G308	UA	E004	Chloride, total	mg/L	03/29/21 - 02/16/24	13	8	CB around T-S line	-0.0926	200	Standard	No Exceedance
G308	UA	E004	Chromium, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.0033	0.1	Standard	No Exceedance
G308	UA	E004	Cobalt, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G308	UA	E004	Fluoride, total	mg/L	03/29/21 - 02/16/24	13	8	CI around geomean	0.511	4.0	Standard	No Exceedance
G308	UA	E004	Lead, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G308	UA	E004	Lithium, total	mg/L	03/29/21 - 02/16/24	13	77	CB around T-S line	0.00662	0.04	Standard	No Exceedance
G308	UA	E004	Mercury, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.0002	0.002	Standard	No Exceedance
G308	UA	E004	Molybdenum, total	mg/L	03/29/21 - 02/16/24	13	8	CI around median	0.0013	0.1	Standard	No Exceedance
G308	UA	E004	pH (field)	SU	03/29/21 - 02/16/24	13	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G308	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/16/24	12	0	CI around median	0.00738	5	Standard	No Exceedance
G308	UA	E004	Selenium, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.001	0.05	Standard	No Exceedance
G308	UA	E004	Sulfate, total	mg/L	03/29/21 - 02/16/24	13	0	CB around linear reg	824	400	Standard	Exceedance
G308	UA	E004	Thallium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G308	UA	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/16/24	13	0	CB around linear reg	1,530	1,200	Standard	Exceedance
G310	UA	E004	Antimony, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G310	UA	E004	Arsenic, total	mg/L	03/29/21 - 02/19/24	13	92	CI around median	0.001	0.010	Standard	No Exceedance
G310	UA	E004	Barium, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	0.015	2.0	Standard	No Exceedance
G310	UA	E004	Beryllium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G310	UA	E004	Boron, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	1.71	3.20	Background	No Exceedance
G310	UA	E004	Cadmium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G310	UA	E004	Chloride, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	15	200	Standard	No Exceedance
G310	UA	E004	Chromium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E004	Cobalt, total	mg/L	03/29/21 - 02/19/24	13	77	CB around T-S line	0.00119	0.006	Standard	No Exceedance
G310	UA	E004	Fluoride, total	mg/L	03/29/21 - 02/19/24	13	15	CI around mean	0.267	4.0	Standard	No Exceedance
G310	UA	E004	Lead, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G310	UA	E004	Lithium, total	mg/L	03/29/21 - 02/19/24	13	77	CB around T-S line	0.00451	0.04	Standard	No Exceedance
G310	UA	E004	Mercury, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G310	UA	E004	Molybdenum, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E004	pH (field)	SU	03/29/21 - 02/19/24	13	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G310	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/19/24	12	0	CI around median	0	5	Standard	No Exceedance
G310	UA	E004	Selenium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G310	UA	E004	Sulfate, total	mg/L	03/29/21 - 02/19/24	13	0	CB around T-S line	-1,940	400	Standard	No Exceedance
G310	UA	E004	Thallium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G310	UA	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	1,210	1,200	Standard	Exceedance
G312	UA	E004	Antimony, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G312	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/19/24	11	91	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G312	UA	E004	Barium, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	0.0247	2.0	Standard	No Exceedance
G312	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G312	UA	E004	Boron, total	mg/L	03/30/21 - 02/19/24	11	0	CI around geomean	1.45	3.20	Background	No Exceedance
G312	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G312	UA	E004	Chloride, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	21.7	200	Standard	No Exceedance
G312	UA	E004	Chromium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G312	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/19/24	11	27	CI around mean	0.00183	0.006	Standard	No Exceedance
G312	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/19/24	11	73	CI around median	0.22	4.0	Standard	No Exceedance
G312	UA	E004	Lead, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G312	UA	E004	Lithium, total	mg/L	03/30/21 - 02/19/24	11	64	CI around median	0.018	0.04	Standard	No Exceedance
G312	UA	E004	Mercury, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G312	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/19/24	11	91	CI around median	0.001	0.1	Standard	No Exceedance
G312	UA	E004	pH (field)	SU	03/30/21 - 02/19/24	11	0	CI around median	6.3/6.5	6.5/9.0	Standard/Standard	No Exceedance
G312	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/19/24	10	0	CI around mean	0.243	5	Standard	No Exceedance
G312	UA	E004	Selenium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G312	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	728	400	Standard	Exceedance
G312	UA	E004	Thallium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G312	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	1,490	1,200	Standard	Exceedance
G313	UA	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G313	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.010	Standard	No Exceedance
G313	UA	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.0187	2.0	Standard	No Exceedance
G313	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G313	UA	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	3.3	3.20	Background	Exceedance
G313	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G313	UA	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	8	CI around median	20	200	Standard	No Exceedance
G313	UA	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G313	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.000716	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G313	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	8	CI around mean	0.239	4.0	Standard	No Exceedance
G313	UA	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G313	UA	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	38	CI around median	0.02	0.04	Standard	No Exceedance
G313	UA	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G313	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	23	CI around geomean	0.00101	0.1	Standard	No Exceedance
G313	UA	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G313	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around mean	0.273	5	Standard	No Exceedance
G313	UA	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G313	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CB around T-S line	-626	400	Standard	No Exceedance
G313	UA	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G313	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	1,460	1,200	Standard	Exceedance
G314	LCU	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	92	CB around T-S line	0.000727	0.006	Standard	No Exceedance
G314	LCU	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	69	CI around median	0.001	0.010	Standard	No Exceedance
G314	LCU	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.0184	2.0	Standard	No Exceedance
G314	LCU	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314	LCU	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around geomean	0.138	3.20	Background	No Exceedance
G314	LCU	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314	LCU	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	31	200	Standard	No Exceedance
G314	LCU	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.0019	0.1	Standard	No Exceedance
G314	LCU	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	8	CI around mean	0.0032	0.006	Standard	No Exceedance
G314	LCU	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.201	4.0	Standard	No Exceedance
G314	LCU	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.0075	Standard	No Exceedance
G314	LCU	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.00586	0.04	Standard	No Exceedance
G314	LCU	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314	LCU	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	8	CB around linear reg	-0.00373	0.1	Standard	No Exceedance
G314	LCU	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G314	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around geomean	0.495	5	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G314	LCU	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.05	Standard	No Exceedance
G314	LCU	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	2,000	400	Standard	Exceedance
G314	LCU	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314	LCU	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around median	3,430	1,200	Standard	Exceedance
G314D	DA	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G314D	DA	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	10	40	CI around median	0.001	0.010	Standard	No Exceedance
G314D	DA	E004	Barium, total	mg/L	03/30/21 - 02/13/24	10	0	CI around mean	0.0307	2.0	Standard	No Exceedance
G314D	DA	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314D	DA	E004	Boron, total	mg/L	03/30/21 - 02/13/24	10	0	CI around mean	0.149	3.20	Background	No Exceedance
G314D	DA	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314D	DA	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	9	0	CB around linear reg	-5.42	200	Standard	No Exceedance
G314D	DA	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G314D	DA	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	10	60	CB around T-S line	0.002	0.006	Standard	No Exceedance
G314D	DA	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	0.558	4.0	Standard	No Exceedance
G314D	DA	E004	Lead, total	mg/L	03/30/21 - 02/13/24	10	80	CI around median	0.001	0.0075	Standard	No Exceedance
G314D	DA	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	10	40	CB around linear reg	0.011	0.04	Standard	No Exceedance
G314D	DA	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314D	DA	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	10	0	CB around linear reg	-0.00692	0.1	Standard	No Exceedance
G314D	DA	E004	pH (field)	SU	03/30/21 - 02/13/24	10	0	CB around linear reg	6.6/7.0	6.5/9.0	Standard/Standard	No Exceedance
G314D	DA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	10	0	CI around geomean	1.51	5	Standard	No Exceedance
G314D	DA	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G314D	DA	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	816	400	Standard	Exceedance
G314D	DA	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314D	DA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	1,900	1,200	Standard	Exceedance
G315	UA	E004	Antimony, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G315	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G315	UA	E004	Barium, total	mg/L	03/30/21 - 02/14/24	13	0	CI around mean	0.0201	2.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G315	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G315	UA	E004	Boron, total	mg/L	03/30/21 - 02/14/24	13	0	CI around median	1.2	3.20	Background	No Exceedance
G315	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G315	UA	E004	Chloride, total	mg/L	03/30/21 - 02/14/24	13	0	CB around T-S line	-34.9	200	Standard	No Exceedance
G315	UA	E004	Chromium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/14/24	13	92	CB around T-S line	0.00103	0.006	Standard	No Exceedance
G315	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/14/24	13	0	CI around median	0.261	4.0	Standard	No Exceedance
G315	UA	E004	Lead, total	mg/L	03/30/21 - 02/14/24	13	92	CI around median	0.001	0.0075	Standard	No Exceedance
G315	UA	E004	Lithium, total	mg/L	03/30/21 - 02/14/24	13	77	CB around T-S line	0.00451	0.04	Standard	No Exceedance
G315	UA	E004	Mercury, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G315	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E004	pH (field)	SU	03/30/21 - 02/14/24	13	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
G315	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/14/24	12	0	CI around mean	0.129	5	Standard	No Exceedance
G315	UA	E004	Selenium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G315	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/14/24	13	0	CB around T-S line	272	400	Standard	No Exceedance
G315	UA	E004	Thallium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G315	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/14/24	13	0	CB around linear reg	507	1,200	Standard	No Exceedance
G316	LCU	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	92	CI around median	0.0012	0.006	Standard	No Exceedance
G316	LCU	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.0074	0.010	Standard	No Exceedance
G316	LCU	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.0685	2.0	Standard	No Exceedance
G316	LCU	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G316	LCU	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.368	3.20	Background	No Exceedance
G316	LCU	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G316	LCU	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	25	200	Standard	No Exceedance
G316	LCU	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G316	LCU	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.00217	0.006	Standard	No Exceedance
G316	LCU	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	46	CI around mean	0.251	4.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
 845 QUARTERLY REPORT
 COFFEEN POWER PLANT
 ASH POND NO. 1
 COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G316	LCU	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	92	CI around median	0.001	0.0075	Standard	No Exceedance
G316	LCU	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G316	LCU	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G316	LCU	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.00401	0.1	Standard	No Exceedance
G316	LCU	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G316	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around geomean	0.334	5	Standard	No Exceedance
G316	LCU	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G316	LCU	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	662	400	Standard	Exceedance
G316	LCU	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G316	LCU	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around median	1,600	1,200	Standard	Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
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:

DA = Deep Aquifer

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 Sample 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

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)

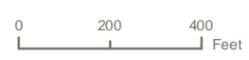
Background = background concentration (see cover page for additional information)

FIGURES



Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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



MONITORING WELL LOCATION MAP

FIGURE 1

ASH POND NO. 1
 COFFEEN POWER PLANT
 COFFEEN, ILLINOIS

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
SUMMARY OF GROUNDWATER ELEVATION DATA
QUARTER 1, 2024**

**ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 1, 2024**

845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G281	Background	02/12/2024	5.30	621.13
G301	Compliance	02/12/2024	6.75	615.81
G302	Compliance	02/12/2024	8.73	611.22
G303	Compliance	02/12/2024	5.25	616.68
G305	Compliance	02/12/2024	5.59	620.25
G306	Background	02/12/2024	6.60	619.48
G307	Compliance	02/12/2024	Not Measured	
G307D	Compliance	02/12/2024	4.82	620.23
G308	Compliance	02/12/2024	4.65	620.11
G310	Compliance	02/12/2024	8.45	614.43
G312	Compliance	02/12/2024	11.62	608.33
G313	Compliance	02/12/2024	3.68	610.62
G314	Compliance	02/12/2024	6.60	607.45
G314D	Compliance	02/12/2024	6.14	607.57
G315	Compliance	02/12/2024	2.52	621.17
G316	Compliance	02/12/2024	11.85	590.74
XSG-01	Water Level	02/12/2024	6.72	628.79
SG-02	Water Level	02/12/2024	7.22	598.82
SG-03	Water Level	02/12/2024	8.44	577.49

Notes:

BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 1, 2024**

April 08, 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-24Q1

WorkOrder: 24020001

Dear Eric Bauer:

TEKLAB, INC received 24 samples for COF_845_101 on 2/22/2024 1:00:00 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: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

This reporting package includes the following:

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Case Narrative	5
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Sample Summary	50
Quality Control Results	51
Receiving Check List	216
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-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: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

Qualifiers

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



Case Narrative

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

Cooler Receipt Temp: 9.1 °C

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

SG-02, SG-03, and XSG-01 date/time of measurement per SAR4. Equipment Blanks 2 and 3 were not required.

Per Eric Bauer's request, only COF_845_101 data is included in this report. EAH 4/8/24

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

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
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-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	4/30/2024	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		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-054
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G281

Collection Date: 02/15/2024 14:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.91	ft	1	02/15/2024 14:22	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		31	NTU	1	02/15/2024 14:22	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		156	mV	1	02/15/2024 14:22	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1370	µS/cm	1	02/15/2024 14:22	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.8	°C	1	02/15/2024 14:22	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.53	mg/L	1	02/15/2024 14:22	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.92		1	02/15/2024 14:22	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		381	mg/L	1	02/19/2024 10:38	R343247
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/19/2024 10:38	R343247
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		850	mg/L	2.5	02/17/2024 12:13	R343246
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		289	mg/L	10	02/19/2024 17:44	R343255
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.27	mg/L	1	02/16/2024 15:11	R343192
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		75	mg/L	2	02/19/2024 17:39	R343256
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		151	mg/L	1	02/19/2024 15:58	218847
Magnesium	NELAP	0.006	0.050		66.2	mg/L	1	02/19/2024 15:58	218847
Potassium	NELAP	0.040	0.100		0.947	mg/L	1	02/19/2024 15:58	218847
Sodium	NELAP	0.022	0.050		100	mg/L	1	02/19/2024 15:58	218847
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/22/2024 2:44	218847
Arsenic	NELAP	0.4	1.0	J	0.8	µg/L	5	02/22/2024 2:44	218847
Barium	NELAP	0.7	1.0		78.5	µg/L	5	02/22/2024 2:44	218847
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/22/2024 22:12	218847
Boron	NELAP	9.2	20	J	9.7	µg/L	5	03/04/2024 13:32	219115
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/22/2024 2:44	218847
Chromium	NELAP	0.7	1.5		3.1	µg/L	5	03/01/2024 19:05	219115
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	02/22/2024 22:12	218847
Lead	NELAP	0.6	1.0		1.2	µg/L	5	03/01/2024 19:05	219115
Lithium	*	1.4	3.0		6.0	µg/L	5	02/22/2024 22:12	218847
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/22/2024 2:44	218847
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/22/2024 2:44	218847
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/22/2024 22:12	218847



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-054
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G281
Collection Date: 02/15/2024 14:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.08	0.20		< 0.20	µg/L	1	02/19/2024 18:21	218860



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-058
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G301

Collection Date: 02/19/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.95	ft	1	02/19/2024 12:03	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		22	NTU	1	02/19/2024 12:03	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		110	mV	1	02/19/2024 12:03	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		991	µS/cm	1	02/19/2024 12:03	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.2	°C	1	02/19/2024 12:03	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.72	mg/L	1	02/19/2024 12:03	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.59		1	02/19/2024 12:03	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		154	mg/L	1	02/20/2024 14:17	R343313
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/20/2024 14:17	R343313
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		912	mg/L	1	02/20/2024 13:48	R343377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		480	mg/L	20	02/20/2024 21:03	R343322
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	02/20/2024 14:27	R343311
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		12	mg/L	1	02/20/2024 20:45	R343325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		109	mg/L	1	02/21/2024 9:47	218955
Magnesium	NELAP	0.006	0.050		41.6	mg/L	1	02/21/2024 9:47	218955
Potassium	NELAP	0.040	0.100		1.73	mg/L	1	02/21/2024 9:47	218955
Sodium	NELAP	0.018	0.050		111	mg/L	1	02/21/2024 9:47	218955
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.7	1.0		1.9	µg/L	5	02/23/2024 21:10	218955
Arsenic	NELAP	0.4	1.0	J	0.9	µg/L	5	02/23/2024 21:10	218955
Barium	NELAP	0.7	1.0		25.4	µg/L	5	02/23/2024 21:10	218955
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:10	218955
Boron	NELAP	9.2	20.0		2620	µg/L	5	02/23/2024 21:10	218955
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:10	218955
Chromium	NELAP	0.9	1.5		3.0	µg/L	5	02/23/2024 21:10	218955
Cobalt	NELAP	0.1	1.0		2.2	µg/L	5	02/23/2024 21:10	218955
Lead	NELAP	0.6	1.0		1.0	µg/L	5	02/23/2024 21:10	218955
Lithium	*	1.4	3.0		6.0	µg/L	5	02/23/2024 21:10	218955
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/27/2024 17:49	218955
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/27/2024 17:49	218955
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/23/2024 21:10	218955



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-058
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G301
Collection Date: 02/19/2024 12:03

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	02/21/2024 16:33	218967



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-059
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G302

Collection Date: 02/19/2024 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.55	ft	1	02/19/2024 13:27	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		69	NTU	1	02/19/2024 13:27	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		25	mV	1	02/19/2024 13:27	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1370	µS/cm	1	02/19/2024 13:27	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.5	°C	1	02/19/2024 13:27	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.64	mg/L	1	02/19/2024 13:27	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.66		1	02/19/2024 13:27	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		443	mg/L	1	02/20/2024 14:22	R343313
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/20/2024 14:22	R343313
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1160	mg/L	2.5	02/20/2024 13:48	R343377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		592	mg/L	20	02/20/2024 21:10	R343322
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.24	mg/L	1	02/20/2024 14:29	R343311
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		23	mg/L	1	02/20/2024 21:06	R343325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		191	mg/L	1	02/21/2024 9:47	218955
Magnesium	NELAP	0.006	0.050		79.0	mg/L	1	02/21/2024 9:47	218955
Potassium	NELAP	0.040	0.100		1.04	mg/L	1	02/21/2024 9:47	218955
Sodium	NELAP	0.018	0.050		130	mg/L	1	02/21/2024 9:47	218955
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.7	1.0		< 1.0	µg/L	5	02/23/2024 21:16	218955
Arsenic	NELAP	0.4	1.0		1.6	µg/L	5	02/23/2024 21:16	218955
Barium	NELAP	0.7	1.0		46.4	µg/L	5	02/23/2024 21:16	218955
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:16	218955
Boron	NELAP	9.2	20.0		2410	µg/L	5	02/23/2024 21:16	218955
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:16	218955
Chromium	NELAP	0.9	1.5		3.6	µg/L	5	02/23/2024 21:16	218955
Cobalt	NELAP	0.1	1.0		2.4	µg/L	5	02/23/2024 21:16	218955
Lead	NELAP	0.6	1.0		1.5	µg/L	5	02/23/2024 21:16	218955
Lithium	*	1.4	3.0		15.4	µg/L	5	02/23/2024 21:16	218955
Molybdenum	NELAP	0.6	1.5	J	0.8	µg/L	5	02/27/2024 17:55	218955
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/27/2024 17:55	218955
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/23/2024 21:16	218955



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-059
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G302
Collection Date: 02/19/2024 13:27

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	02/21/2024 16:35	218967



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-060
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G303

Collection Date: 02/14/2024 10:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.72	ft	1	02/14/2024 10:23	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		31	NTU	1	02/14/2024 10:23	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		116	mV	1	02/14/2024 10:23	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1750	µS/cm	1	02/14/2024 10:23	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.7	°C	1	02/14/2024 10:23	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.38	mg/L	1	02/14/2024 10:23	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.69		1	02/14/2024 10:23	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		651	mg/L	1	02/16/2024 11:02	R343193
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/16/2024 11:02	R343193
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1560	mg/L	1	02/15/2024 13:21	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		642	mg/L	20	02/15/2024 14:13	R343142
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	02/15/2024 15:17	R343151
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		27	mg/L	2	02/15/2024 14:08	R343144
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	172	mg/L	1	02/16/2024 15:16	218807
Magnesium	NELAP	0.006	0.050	S	144	mg/L	1	02/16/2024 15:16	218807
Potassium	NELAP	0.040	0.100		1.97	mg/L	1	02/16/2024 15:16	218807
Sodium	NELAP	0.018	0.050	SR	164	mg/L	1	02/16/2024 15:16	218807
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/23/2024 23:25	219043
Arsenic	NELAP	0.4	1.0		1.2	µg/L	5	02/23/2024 23:25	219043
Barium	NELAP	0.7	1.0		15.6	µg/L	5	02/23/2024 23:25	219043
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 23:25	219043
Boron	NELAP	9.2	20.0	S	2280	µg/L	5	02/27/2024 12:17	219043
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 23:25	219043
Chromium	NELAP	1.2	1.5		< 1.5	µg/L	5	02/23/2024 23:25	219043
Cobalt	NELAP	0.1	1.0		1.1	µg/L	5	02/23/2024 23:25	219043
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/27/2024 12:17	219043
Lithium	*	1.4	3.0		28.8	µg/L	5	02/23/2024 23:25	219043
Molybdenum	NELAP	0.6	1.5		1.9	µg/L	5	02/23/2024 23:25	219043
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/23/2024 23:25	219043
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/26/2024 18:36	219043

Matrix spike did not recover within control limits due to sample composition.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-060
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G303
Collection Date: 02/14/2024 10:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.08	0.20		< 0.20	µg/L	1	02/19/2024 18:23	218860



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-061
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G305

Collection Date: 02/19/2024 14:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.66	ft	1	02/19/2024 14:56	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		24	NTU	1	02/19/2024 14:56	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		96	mV	1	02/19/2024 14:56	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1440	µS/cm	1	02/19/2024 14:56	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.1	°C	1	02/19/2024 14:56	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.64	mg/L	1	02/19/2024 14:56	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.16		1	02/19/2024 14:56	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		244	mg/L	1	02/20/2024 14:29	R343313
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/20/2024 14:29	R343313
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1430	mg/L	1	02/20/2024 13:49	R343377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		818	mg/L	20	02/20/2024 21:18	R343322
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.46	mg/L	1	02/20/2024 14:31	R343311
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		18	mg/L	1	02/20/2024 21:14	R343325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		180	mg/L	1	02/21/2024 9:56	218955
Magnesium	NELAP	0.006	0.050		97.8	mg/L	1	02/21/2024 9:56	218955
Potassium	NELAP	0.040	0.100		0.686	mg/L	1	02/21/2024 9:56	218955
Sodium	NELAP	0.018	0.050		130	mg/L	1	02/21/2024 9:56	218955
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.7	1.0		< 1.0	µg/L	5	02/23/2024 21:23	218955
Arsenic	NELAP	0.4	1.0	J	0.8	µg/L	5	02/23/2024 21:23	218955
Barium	NELAP	0.7	1.0		32.8	µg/L	5	02/23/2024 21:23	218955
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:23	218955
Boron	NELAP	9.2	20.0		2760	µg/L	5	02/23/2024 21:23	218955
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:23	218955
Chromium	NELAP	0.9	1.5		2.2	µg/L	5	02/23/2024 21:23	218955
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	02/23/2024 21:23	218955
Lead	NELAP	0.6	1.0		1.1	µg/L	5	02/23/2024 21:23	218955
Lithium	*	1.4	3.0		8.0	µg/L	5	02/23/2024 21:23	218955
Molybdenum	NELAP	0.6	1.5	J	0.9	µg/L	5	02/27/2024 18:01	218955
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/27/2024 18:01	218955
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/23/2024 21:23	218955



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-061
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G305
Collection Date: 02/19/2024 14:56

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	02/23/2024 9:25	218998



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-062
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G306

Collection Date: 02/14/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.78	ft	1	02/14/2024 11:35	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		30	NTU	1	02/14/2024 11:35	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		137	mV	1	02/14/2024 11:35	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		663	µS/cm	1	02/14/2024 11:35	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.9	°C	1	02/14/2024 11:35	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.42	mg/L	1	02/14/2024 11:35	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.34		1	02/14/2024 11:35	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		262	mg/L	1	02/16/2024 11:11	R343193
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/16/2024 11:11	R343193
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		476	mg/L	1	02/15/2024 13:21	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		141	mg/L	10	02/15/2024 14:21	R343142
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.17	mg/L	1	02/15/2024 15:19	R343151
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	2	mg/L	1	02/15/2024 14:16	R343144
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		84.1	mg/L	1	02/16/2024 15:18	218807
Magnesium	NELAP	0.006	0.050		32.2	mg/L	1	02/16/2024 15:18	218807
Potassium	NELAP	0.040	0.100		0.260	mg/L	1	02/16/2024 15:18	218807
Sodium	NELAP	0.018	0.050		35.3	mg/L	1	02/16/2024 15:18	218807
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		2.6	µg/L	5	03/11/2024 12:36	219117
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	03/11/2024 12:36	219117
Barium	NELAP	0.7	1.0		37.9	µg/L	5	03/11/2024 12:36	219117
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	03/11/2024 12:36	219117
Boron	NELAP	9.2	20.0		2320	µg/L	5	03/11/2024 12:36	219117
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	03/11/2024 12:36	219117
Chromium	NELAP	0.7	1.5		2.6	µg/L	5	03/11/2024 12:36	219117
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	03/11/2024 12:36	219117
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	03/11/2024 12:36	219117
Lithium	*	1.4	3.0		4.9	µg/L	5	03/11/2024 12:36	219117
Molybdenum	NELAP	0.6	1.5	J	0.8	µg/L	5	03/11/2024 12:36	219117
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	03/11/2024 12:36	219117
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	03/11/2024 12:36	219117



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-062
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G306
Collection Date: 02/14/2024 11:35

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	02/20/2024 10:23	218877



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-063
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G307

Collection Date: 02/14/2024 14:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		0.05	ft	1	02/14/2024 14:58	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		260	NTU	1	02/14/2024 14:58	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		99	mV	1	02/14/2024 14:58	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1050	µS/cm	1	02/14/2024 14:58	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.8	°C	1	02/14/2024 14:58	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.09	mg/L	1	02/14/2024 14:58	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.93		1	02/14/2024 14:58	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		206	mg/L	1	02/16/2024 11:17	R343193
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/16/2024 11:17	R343193
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		865	mg/L	2.5	02/15/2024 13:21	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		464	mg/L	20	02/15/2024 14:30	R343142
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.35	mg/L	1	02/15/2024 15:21	R343151
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		11	mg/L	1	02/15/2024 14:24	R343144
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		166	mg/L	1	02/19/2024 16:02	218847
Magnesium	NELAP	0.006	0.050		54.0	mg/L	1	02/19/2024 16:02	218847
Potassium	NELAP	0.040	0.100		5.83	mg/L	1	02/19/2024 16:02	218847
Sodium	NELAP	0.022	0.050		80.5	mg/L	1	02/19/2024 16:02	218847
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/22/2024 2:49	218847
Arsenic	NELAP	0.4	1.0		4.6	µg/L	5	02/22/2024 2:49	218847
Barium	NELAP	0.7	1.0		72.9	µg/L	5	02/22/2024 2:49	218847
Beryllium	NELAP	0.2	1.0	J	0.5	µg/L	5	02/22/2024 22:18	218847
Boron	NELAP	9.2	20.0		2100	µg/L	5	03/04/2024 13:38	219115
Cadmium	NELAP	0.2	1.0		1.3	µg/L	5	02/22/2024 2:49	218847
Chromium	NELAP	0.7	1.5		19.2	µg/L	5	03/01/2024 19:11	219115
Cobalt	NELAP	0.1	1.0		6.6	µg/L	5	02/22/2024 22:18	218847
Lead	NELAP	0.6	1.0		9.5	µg/L	5	03/01/2024 19:11	219115
Lithium	*	1.4	3.0		13.3	µg/L	5	02/22/2024 22:18	218847
Molybdenum	NELAP	0.6	1.5	J	1.1	µg/L	5	02/22/2024 2:49	218847
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/22/2024 2:49	218847
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/22/2024 22:18	218847



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-063
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G307
Collection Date: 02/14/2024 14:58

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	02/20/2024 10:32	218877



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-064
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G307D

Collection Date: 02/14/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.04	ft	1	02/14/2024 13:42	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		16	NTU	1	02/14/2024 13:42	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		30	mV	1	02/14/2024 13:42	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1210	µS/cm	1	02/14/2024 13:42	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.1	°C	1	02/14/2024 13:42	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.50	mg/L	1	02/14/2024 13:42	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.07		1	02/14/2024 13:42	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		176	mg/L	1	02/16/2024 11:23	R343193
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/16/2024 11:23	R343193
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1080	mg/L	2.5	02/15/2024 13:22	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		605	mg/L	20	02/15/2024 14:51	R343142
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.52	mg/L	1	02/15/2024 15:23	R343151
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		13	mg/L	1	02/15/2024 14:32	R343144
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		159	mg/L	1	02/19/2024 16:03	218847
Magnesium	NELAP	0.006	0.050		63.3	mg/L	1	02/19/2024 16:03	218847
Potassium	NELAP	0.040	0.100		0.658	mg/L	1	02/19/2024 16:03	218847
Sodium	NELAP	0.022	0.050		96.6	mg/L	1	02/19/2024 16:03	218847
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/22/2024 2:55	218847
Arsenic	NELAP	0.4	1.0		1.8	µg/L	5	02/22/2024 2:55	218847
Barium	NELAP	0.7	1.0		21.5	µg/L	5	02/22/2024 2:55	218847
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/22/2024 22:24	218847
Boron	NELAP	9.2	20.0		1890	µg/L	5	03/04/2024 13:44	219115
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/22/2024 2:55	218847
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	03/01/2024 19:16	219115
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/22/2024 22:24	218847
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	03/01/2024 19:16	219115
Lithium	*	1.4	3.0	J	2.3	µg/L	5	02/22/2024 22:24	218847
Molybdenum	NELAP	0.6	1.5		2.6	µg/L	5	03/04/2024 13:44	219115
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/22/2024 2:55	218847
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/22/2024 22:24	218847



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-064
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G307D
Collection Date: 02/14/2024 13:42

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	02/20/2024 10:39	218877



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-065
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G308

Collection Date: 02/16/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.79	ft	1	02/16/2024 10:04	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.8	NTU	1	02/16/2024 10:04	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		119	mV	1	02/16/2024 10:04	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1530	µS/cm	1	02/16/2024 10:04	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.3	°C	1	02/16/2024 10:04	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.56	mg/L	1	02/16/2024 10:04	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.08		1	02/16/2024 10:04	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		250	mg/L	1	02/19/2024 10:21	R343247
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/19/2024 10:21	R343247
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1530	mg/L	1	02/17/2024 12:14	R343246
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		835	mg/L	50	02/19/2024 18:06	R343255
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.57	mg/L	1	02/19/2024 10:01	R343237
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		10	mg/L	1	02/19/2024 17:47	R343256
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		188	mg/L	1	02/20/2024 12:13	218873
Magnesium	NELAP	0.006	0.050		112	mg/L	1	02/20/2024 12:13	218873
Potassium	NELAP	0.040	0.100		0.551	mg/L	1	02/20/2024 12:13	218873
Sodium	NELAP	0.018	0.050		131	mg/L	1	02/20/2024 12:13	218873
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	< 1.0	µg/L	5	02/20/2024 18:50	218873
Arsenic	NELAP	0.4	1.0		1.2	µg/L	5	02/20/2024 18:50	218873
Barium	NELAP	0.7	1.0		29.7	µg/L	5	02/20/2024 18:50	218873
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/20/2024 18:50	218873
Boron	NELAP	9.2	20.0		3390	µg/L	5	02/20/2024 18:50	218873
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/20/2024 18:50	218873
Chromium	NELAP	0.8	1.5		3.3	µg/L	5	02/20/2024 18:50	218873
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	02/20/2024 18:50	218873
Lead	NELAP	0.6	1.0	J	0.8	µg/L	5	02/20/2024 18:50	218873
Lithium	*	1.4	3.0		9.8	µg/L	5	02/20/2024 18:50	218873
Molybdenum	NELAP	0.6	1.5		1.7	µg/L	5	02/20/2024 18:50	218873
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 18:50	218873
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/20/2024 18:50	218873

Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-065
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G308
Collection Date: 02/16/2024 10:04

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	02/20/2024 10:42	218877



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-066
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G310

Collection Date: 02/19/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.78	ft	1	02/19/2024 11:24	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.3	NTU	1	02/19/2024 11:24	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		93	mV	1	02/19/2024 11:24	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1140	µS/cm	1	02/19/2024 11:24	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.7	°C	1	02/19/2024 11:24	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.52	mg/L	1	02/19/2024 11:24	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.07		1	02/19/2024 11:24	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		241	mg/L	1	02/20/2024 14:35	R343313
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/20/2024 14:35	R343313
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1030	mg/L	1	02/20/2024 14:00	R343377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		620	mg/L	50	02/20/2024 21:26	R343322
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	02/20/2024 14:33	R343311
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		12	mg/L	1	02/20/2024 21:22	R343325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		143	mg/L	1	02/21/2024 9:57	218955
Magnesium	NELAP	0.006	0.050		47.5	mg/L	1	02/21/2024 9:57	218955
Potassium	NELAP	0.040	0.100		0.377	mg/L	1	02/21/2024 9:57	218955
Sodium	NELAP	0.018	0.050		140	mg/L	1	02/21/2024 9:57	218955
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.7	1.0		< 1.0	µg/L	5	02/23/2024 21:29	218955
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/23/2024 21:29	218955
Barium	NELAP	0.7	1.0		18.3	µg/L	5	02/23/2024 21:29	218955
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:29	218955
Boron	NELAP	9.2	20.0		2210	µg/L	5	02/23/2024 21:29	218955
Cadmium	NELAP	0.2	1.0	J	0.2	µg/L	5	02/23/2024 21:29	218955
Chromium	NELAP	0.9	1.5	J	1.2	µg/L	5	02/23/2024 21:29	218955
Cobalt	NELAP	0.1	1.0		1.6	µg/L	5	02/23/2024 21:29	218955
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/23/2024 21:29	218955
Lithium	*	1.4	3.0		6.8	µg/L	5	02/23/2024 21:29	218955
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/27/2024 18:06	218955
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/27/2024 18:06	218955
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/23/2024 21:29	218955



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-066
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G310
Collection Date: 02/19/2024 11:24

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	02/22/2024 15:28	218203



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-067
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G312

Collection Date: 02/19/2024 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.95	ft	1	02/19/2024 14:11	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.4	NTU	1	02/19/2024 14:11	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		84	mV	1	02/19/2024 14:11	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1450	µS/cm	1	02/19/2024 14:11	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.6	°C	1	02/19/2024 14:11	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.15	mg/L	1	02/19/2024 14:11	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.33		1	02/19/2024 14:11	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		516	mg/L	1	02/20/2024 14:41	R343313
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/20/2024 14:41	R343313
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1540	mg/L	1	02/20/2024 14:01	R343377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		779	mg/L	50	02/20/2024 21:35	R343322
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.20	mg/L	1	02/20/2024 14:34	R343311
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		23	mg/L	1	02/20/2024 21:30	R343325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		188	mg/L	1	02/21/2024 9:58	218955
Magnesium	NELAP	0.006	0.050		134	mg/L	1	02/21/2024 9:58	218955
Potassium	NELAP	0.040	0.100		0.684	mg/L	1	02/21/2024 9:58	218955
Sodium	NELAP	0.018	0.050		118	mg/L	1	02/21/2024 9:58	218955
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.7	1.0		< 1.0	µg/L	5	02/23/2024 21:35	218955
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	02/23/2024 21:35	218955
Barium	NELAP	0.7	1.0		32.3	µg/L	5	02/23/2024 21:35	218955
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:35	218955
Boron	NELAP	9.2	20.0		3150	µg/L	5	02/23/2024 21:35	218955
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 21:35	218955
Chromium	NELAP	0.9	1.5	J	1.1	µg/L	5	02/23/2024 21:35	218955
Cobalt	NELAP	0.1	1.0		1.5	µg/L	5	02/23/2024 21:35	218955
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/23/2024 21:35	218955
Lithium	*	1.4	3.0		16.1	µg/L	5	02/23/2024 21:35	218955
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/27/2024 18:12	218955
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/27/2024 18:12	218955
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/23/2024 21:35	218955



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-067
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G312
Collection Date: 02/19/2024 14:11

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	02/22/2024 15:30	218203



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-068
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G313

Collection Date: 02/13/2024 14:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		3.71	ft	1	02/13/2024 14:19	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		33	NTU	1	02/13/2024 14:19	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		91	mV	1	02/13/2024 14:19	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1630	µS/cm	1	02/13/2024 14:19	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.2	°C	1	02/13/2024 14:19	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.34	mg/L	1	02/13/2024 14:19	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.78		1	02/13/2024 14:19	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		479	mg/L	1	02/14/2024 15:27	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/14/2024 15:27	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1270	mg/L	2.5	02/15/2024 10:00	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		726	mg/L	50	02/14/2024 21:03	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.28	mg/L	1	02/14/2024 15:46	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		20	mg/L	1	02/14/2024 20:46	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		188	mg/L	1	02/15/2024 12:38	218746
Magnesium	NELAP	0.006	0.050		104	mg/L	1	02/15/2024 12:38	218746
Potassium	NELAP	0.040	0.100		0.936	mg/L	1	02/15/2024 12:38	218746
Sodium	NELAP	0.018	0.050		140	mg/L	1	02/15/2024 12:38	218746
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/17/2024 0:24	218746
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/16/2024 3:40	218746
Barium	NELAP	0.7	1.0		17.5	µg/L	5	02/21/2024 13:48	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:24	218746
Boron	NELAP	9.2	20.0		3150	µg/L	5	02/19/2024 11:33	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:24	218746
Chromium	NELAP	1.2	1.5		< 1.5	µg/L	5	02/19/2024 11:33	218746
Cobalt	NELAP	0.1	1.0	J	0.4	µg/L	5	02/17/2024 0:24	218746
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 2:01	218746
Lithium	*	1.4	3.0		26.7	µg/L	5	02/16/2024 3:40	218746
Molybdenum	NELAP	0.6	1.5	J	1.1	µg/L	5	02/19/2024 11:33	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/17/2024 0:24	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/17/2024 0:24	218746



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-068
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G313
Collection Date: 02/13/2024 14:19

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	02/16/2024 16:15	218749



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-069
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G314

Collection Date: 02/13/2024 13:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.70	ft	1	02/13/2024 13:11	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		120	NTU	1	02/13/2024 13:11	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		5	mV	1	02/13/2024 13:11	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2980	µS/cm	1	02/13/2024 13:11	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.8	°C	1	02/13/2024 13:11	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	02/13/2024 13:11	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.56		1	02/13/2024 13:11	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		710	mg/L	1	02/14/2024 15:35	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/14/2024 15:35	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		3430	mg/L	2.5	02/15/2024 10:08	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		2270	mg/L	50	02/14/2024 21:12	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.22	mg/L	1	02/14/2024 15:48	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		32	mg/L	1	02/14/2024 21:07	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		581	mg/L	1	02/15/2024 12:39	218746
Magnesium	NELAP	0.006	0.050		289	mg/L	1	02/15/2024 12:39	218746
Potassium	NELAP	0.040	0.100		3.54	mg/L	1	02/15/2024 12:39	218746
Sodium	NELAP	0.018	0.050		131	mg/L	1	02/15/2024 12:39	218746
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/17/2024 0:30	218746
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	02/16/2024 3:46	218746
Barium	NELAP	0.7	1.0		15.8	µg/L	5	02/21/2024 13:54	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:30	218746
Boron	NELAP	9.2	20.0		135	µg/L	5	02/19/2024 12:48	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:30	218746
Chromium	NELAP	1.2	1.5		1.9	µg/L	5	02/19/2024 12:48	218746
Cobalt	NELAP	0.1	1.0		1.4	µg/L	5	02/17/2024 0:30	218746
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 2:07	218746
Lithium	*	1.4	3.0		6.1	µg/L	5	02/16/2024 3:46	218746
Molybdenum	NELAP	0.6	1.5	J	1.4	µg/L	5	02/19/2024 12:48	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/17/2024 0:30	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/17/2024 0:30	218746



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-069
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G314
Collection Date: 02/13/2024 13:11

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	02/16/2024 16:18	218749



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-070
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G314D

Collection Date: 02/13/2024 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.15	ft	1	02/13/2024 12:20	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		120	NTU	1	02/13/2024 12:20	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-16	mV	1	02/13/2024 12:20	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2520	µS/cm	1	02/13/2024 12:20	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.5	°C	1	02/13/2024 12:20	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.40	mg/L	1	02/13/2024 12:20	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.80		1	02/13/2024 12:20	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		710	mg/L	1	02/14/2024 15:43	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/14/2024 15:43	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		2220	mg/L	2.5	02/15/2024 10:09	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		1160	mg/L	50	02/14/2024 21:20	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.59	mg/L	1	02/14/2024 15:50	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		58	mg/L	2	02/14/2024 21:15	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		276	mg/L	1	02/15/2024 13:52	218746
Magnesium	NELAP	0.006	0.050		104	mg/L	1	02/15/2024 13:52	218746
Potassium	NELAP	0.040	0.100		3.02	mg/L	1	02/15/2024 13:52	218746
Sodium	NELAP	0.018	0.050		382	mg/L	1	02/15/2024 13:52	218746
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/17/2024 0:36	218746
Arsenic	NELAP	0.4	1.0		4.6	µg/L	5	02/16/2024 3:52	218746
Barium	NELAP	0.7	1.0		33.5	µg/L	5	02/21/2024 16:23	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:36	218746
Boron	NELAP	9.2	20.0		176	µg/L	5	02/19/2024 12:53	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:36	218746
Chromium	NELAP	1.2	1.5		< 1.5	µg/L	5	02/19/2024 12:53	218746
Cobalt	NELAP	0.1	1.0		2.8	µg/L	5	02/20/2024 2:13	218746
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 2:13	218746
Lithium	*	1.4	3.0		17.3	µg/L	5	02/16/2024 3:52	218746
Molybdenum	NELAP	0.6	1.5		3.9	µg/L	5	02/19/2024 12:53	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/17/2024 0:36	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/17/2024 0:36	218746



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-070
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G314D
Collection Date: 02/13/2024 12:20

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	02/16/2024 16:24	218749



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-071
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G315

Collection Date: 02/14/2024 12:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.40	ft	1	02/14/2024 12:45	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.1	NTU	1	02/14/2024 12:45	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		153	mV	1	02/14/2024 12:45	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1160	µS/cm	1	02/14/2024 12:45	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.8	°C	1	02/14/2024 12:45	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.62	mg/L	1	02/14/2024 12:45	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.69		1	02/14/2024 12:45	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		235	mg/L	1	02/16/2024 11:28	R343193
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/16/2024 11:28	R343193
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1040	mg/L	1	02/15/2024 13:22	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		537	mg/L	20	02/15/2024 14:58	R343142
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		1.48	mg/L	1	02/15/2024 15:33	R343151
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		12	mg/L	1	02/15/2024 14:53	R343144
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	143	mg/L	1	02/19/2024 16:04	218847
Magnesium	NELAP	0.006	0.050	S	63.7	mg/L	1	02/19/2024 16:04	218847
Potassium	NELAP	0.040	0.100		0.295	mg/L	1	02/19/2024 16:04	218847
Sodium	NELAP	0.022	0.050	S	113	mg/L	1	02/19/2024 16:04	218847
<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	0.4	1.0		< 1.0	µg/L	5	02/22/2024 5:59	218847
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/22/2024 5:59	218847
Barium	NELAP	0.7	1.0		17.5	µg/L	5	02/22/2024 5:59	218847
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	03/01/2024 19:22	219115
Boron	NELAP	9.2	20.0		1400	µg/L	5	03/04/2024 14:12	219115
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/22/2024 5:59	218847
Chromium	NELAP	0.7	1.5	J	1.3	µg/L	5	03/01/2024 19:22	219115
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	03/01/2024 19:22	219115
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	03/01/2024 19:22	219115
Lithium	*	1.4	3.0		4.6	µg/L	5	03/04/2024 14:12	219115
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/22/2024 5:59	218847
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/22/2024 5:59	218847
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	03/01/2024 19:22	219115



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-071
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G315
Collection Date: 02/14/2024 12:45

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	02/20/2024 10:44	218877



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-072
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: G316

Collection Date: 02/13/2024 11:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.91	ft	1	02/13/2024 11:31	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.2	NTU	1	02/13/2024 11:31	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-68	mV	1	02/13/2024 11:31	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1740	µS/cm	1	02/13/2024 11:31	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		10.9	°C	1	02/13/2024 11:31	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.68	mg/L	1	02/13/2024 11:31	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.87		1	02/13/2024 11:31	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		641	mg/L	1	02/14/2024 15:51	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/14/2024 15:51	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		1470	mg/L	5	02/15/2024 10:09	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		789	mg/L	50	02/14/2024 21:28	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.26	mg/L	1	02/14/2024 15:52	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		25	mg/L	1	02/14/2024 21:23	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		190	mg/L	1	02/15/2024 13:53	218746
Magnesium	NELAP	0.006	0.050		166	mg/L	1	02/15/2024 13:53	218746
Potassium	NELAP	0.040	0.100		1.79	mg/L	1	02/15/2024 13:53	218746
Sodium	NELAP	0.018	0.050		97.9	mg/L	1	02/15/2024 13:53	218746
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0		1.2	µg/L	5	02/17/2024 1:22	218746
Arsenic	NELAP	0.4	1.0		7.9	µg/L	5	02/16/2024 3:57	218746
Barium	NELAP	0.7	1.0		72.6	µg/L	5	02/21/2024 16:29	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 1:22	218746
Boron	NELAP	9.2	20.0		340	µg/L	5	02/19/2024 12:58	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 1:22	218746
Chromium	NELAP	1.2	1.5		< 1.5	µg/L	5	02/19/2024 12:58	218746
Cobalt	NELAP	0.1	1.0		2.5	µg/L	5	02/20/2024 3:50	218746
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 3:50	218746
Lithium	*	1.4	3.0	J	1.6	µg/L	5	02/16/2024 3:57	218746
Molybdenum	NELAP	0.6	1.5		5.0	µg/L	5	02/19/2024 12:58	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/17/2024 1:22	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/17/2024 1:22	218746



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-072
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G316
Collection Date: 02/13/2024 11:31

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	02/16/2024 16:27	218749



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-089
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: SG-02
Collection Date: 02/12/2024 15:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.22	ft	1	02/12/2024 15:01	R343520



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-090
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: SG-03
Collection Date: 02/12/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.44	ft	1	02/12/2024 11:43	R343520



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-094
Matrix: LEACHATE

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: XPW01

Collection Date: 02/19/2024 10:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.32	ft	1	02/19/2024 10:48	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	02/19/2024 10:48	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		73	mV	1	02/19/2024 10:48	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1010	µS/cm	1	02/19/2024 10:48	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.3	°C	1	02/19/2024 10:48	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.56	mg/L	1	02/19/2024 10:48	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.86		1	02/19/2024 10:48	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		129	mg/L	1	02/20/2024 14:48	R343313
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/20/2024 14:48	R343313
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		936	mg/L	1	02/20/2024 14:01	R343377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		541	mg/L	20	02/21/2024 13:18	R343392
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.79	mg/L	1	02/20/2024 14:51	R343311
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		8	mg/L	1	02/20/2024 21:41	R343325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		179	mg/L	1	02/21/2024 9:58	218955
Magnesium	NELAP	0.006	0.050		19.4	mg/L	1	02/21/2024 9:58	218955
Potassium	NELAP	0.400	1.00		21.2	mg/L	10	02/21/2024 10:11	218955
Sodium	NELAP	0.018	0.050		68.6	mg/L	1	02/21/2024 9:58	218955
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.7	1.0	J	0.8	µg/L	5	02/23/2024 22:44	218955
Arsenic	NELAP	0.4	1.0		5.4	µg/L	5	02/23/2024 22:44	218955
Barium	NELAP	0.7	1.0		49.4	µg/L	5	02/23/2024 22:44	218955
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 22:44	218955
Boron	NELAP	9.2	20.0		4170	µg/L	5	02/23/2024 22:44	218955
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 22:44	218955
Chromium	NELAP	0.9	1.5		4.2	µg/L	5	02/23/2024 22:44	218955
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/23/2024 22:44	218955
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/23/2024 22:44	218955
Lithium	*	1.4	3.0		67.6	µg/L	5	02/23/2024 22:44	218955
Molybdenum	NELAP	0.6	1.5		75.4	µg/L	5	02/27/2024 18:18	218955
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/27/2024 18:18	218955
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/23/2024 22:44	218955



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-094
Matrix: LEACHATE

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: XPW01
Collection Date: 02/19/2024 10:48

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	02/23/2024 9:36	218203



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-095
Matrix: LEACHATE

Work Order: 24020001
Report Date: 08-Apr-24

Client Sample ID: XPW02

Collection Date: 02/16/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.40	ft	1	02/16/2024 10:45	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.0	NTU	1	02/16/2024 10:45	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-147	mV	1	02/16/2024 10:45	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		668	µS/cm	1	02/16/2024 10:45	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.5	°C	1	02/16/2024 10:45	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.48	mg/L	1	02/16/2024 10:45	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.70		1	02/16/2024 10:45	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		234	mg/L	1	02/19/2024 10:26	R343247
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/19/2024 10:26	R343247
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		545	mg/L	2.5	02/17/2024 12:14	R343246
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		156	mg/L	10	02/19/2024 18:14	R343255
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.36	mg/L	1	02/19/2024 10:03	R343237
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		5	mg/L	1	02/19/2024 18:08	R343256
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		104	mg/L	1	02/20/2024 12:14	218873
Magnesium	NELAP	0.006	0.050		16.7	mg/L	1	02/20/2024 12:14	218873
Potassium	NELAP	0.200	0.500		15.3	mg/L	5	02/20/2024 15:11	218873
Sodium	NELAP	0.018	0.050		28.8	mg/L	1	02/20/2024 12:14	218873
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	< 1.0	µg/L	5	02/20/2024 18:56	218873
Arsenic	NELAP	0.4	1.0		5.4	µg/L	5	02/20/2024 18:56	218873
Barium	NELAP	0.7	1.0		183	µg/L	5	02/20/2024 18:56	218873
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/20/2024 18:56	218873
Boron	NELAP	9.2	20.0		2670	µg/L	5	02/20/2024 18:56	218873
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/20/2024 18:56	218873
Chromium	NELAP	0.8	1.5	J	1.0	µg/L	5	02/20/2024 18:56	218873
Cobalt	NELAP	0.1	1.0	J	0.1	µg/L	5	02/20/2024 18:56	218873
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 18:56	218873
Lithium	*	1.4	3.0		91.6	µg/L	5	02/20/2024 18:56	218873
Molybdenum	NELAP	0.6	1.5		16.5	µg/L	5	02/20/2024 18:56	218873
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 18:56	218873
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/20/2024 18:56	218873

Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-095
Matrix: LEACHATE

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: XPW02
Collection Date: 02/16/2024 10:45

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	02/20/2024 11:08	218877



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-096
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: XSG-01
Collection Date: 02/12/2024 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.72	ft	1	02/12/2024 15:10	R343520



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-097
Matrix: AQUEOUS

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: Field Blank
Collection Date: 02/21/2024 15:03

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		1	mg/L	1	02/22/2024 15:49	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/22/2024 15:49	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	J	18	mg/L	1	02/26/2024 12:37	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	02/22/2024 18:40	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	02/23/2024 12:34	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	02/22/2024 18:40	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	02/23/2024 18:51	219043
Magnesium	NELAP	0.006	0.050	J	0.015	mg/L	1	02/23/2024 18:51	219043
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	02/23/2024 18:51	219043
Sodium	NELAP	0.018	0.050	J	0.029	mg/L	1	02/23/2024 18:51	219043
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.7	µg/L	5	02/23/2024 23:48	219043
Arsenic	NELAP	0.4	1.0		1.1	µg/L	5	02/23/2024 23:48	219043
Barium	NELAP	0.7	1.0		2.5	µg/L	5	02/23/2024 23:48	219043
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 23:48	219043
Boron	NELAP	9.2	20	J	15	µg/L	5	02/23/2024 23:48	219043
Cadmium	NELAP	0.2	1.0	J	0.5	µg/L	5	02/23/2024 23:48	219043
Chromium	NELAP	1.2	1.5		1.9	µg/L	5	02/23/2024 23:48	219043
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	02/23/2024 23:48	219043
Lead	NELAP	0.6	1.0	B	< 1.0	µg/L	5	03/01/2024 13:43	219241
Lithium	*	1.4	3.0		< 3.0	µg/L	5	02/23/2024 23:48	219043
Molybdenum	NELAP	0.6	1.5	J	0.9	µg/L	5	02/23/2024 23:48	219043
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/23/2024 23:48	219043
Thallium	NELAP	1.0	2.0	J	1.2	µg/L	5	02/26/2024 18:59	219043
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK for Fe. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/29/2024 17:58	219164



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-101
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G301 Duplicate
Collection Date: 02/19/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.95	ft	1	02/19/2024 12:03	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		22	NTU	1	02/19/2024 12:03	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		110	mV	1	02/19/2024 12:03	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		991	µS/cm	1	02/19/2024 12:03	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.2	°C	1	02/19/2024 12:03	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.72	mg/L	1	02/19/2024 12:03	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.59		1	02/19/2024 12:03	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		156	mg/L	1	02/20/2024 15:00	R343313
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/20/2024 15:00	R343313
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		890	mg/L	1	02/20/2024 14:01	R343377
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		490	mg/L	20	02/20/2024 22:31	R343322
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.25	mg/L	1	02/20/2024 14:56	R343311
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		12	mg/L	1	02/20/2024 22:26	R343325
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		110	mg/L	1	02/21/2024 10:01	218955
Magnesium	NELAP	0.006	0.050		41.7	mg/L	1	02/21/2024 10:01	218955
Potassium	NELAP	0.040	0.100		1.79	mg/L	1	02/21/2024 10:01	218955
Sodium	NELAP	0.018	0.050		114	mg/L	1	02/21/2024 10:01	218955
SW-846 3005A, 6020A, METALS BY ICMS (TOTAL)									
Antimony	NELAP	0.7	1.0		1.3	µg/L	5	02/23/2024 22:50	218955
Arsenic	NELAP	0.4	1.0	J	0.8	µg/L	5	02/23/2024 22:50	218955
Barium	NELAP	0.7	1.0		20.0	µg/L	5	02/23/2024 22:50	218955
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 22:50	218955
Boron	NELAP	9.2	20.0		2320	µg/L	5	02/23/2024 22:50	218955
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 22:50	218955
Chromium	NELAP	0.9	1.5		2.3	µg/L	5	02/23/2024 22:50	218955
Cobalt	NELAP	0.1	1.0		1.8	µg/L	5	02/23/2024 22:50	218955
Lead	NELAP	0.6	1.0	J	0.6	µg/L	5	02/23/2024 22:50	218955
Lithium	*	1.4	3.0		5.3	µg/L	5	02/23/2024 22:50	218955
Molybdenum	NELAP	0.6	1.5	J	0.7	µg/L	5	02/27/2024 18:24	218955
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/27/2024 18:24	218955
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/23/2024 22:50	218955



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-101
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: G301 Duplicate
Collection Date: 02/19/2024 12:03

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	02/23/2024 9:43	218203



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-103
Matrix: AQUEOUS

Work Order: 24020001
Report Date: 08-Apr-24
Client Sample ID: Equipment Blank 1
Collection Date: 02/21/2024 14:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/23/2024 11:26	R343508
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO3)	NELAP	0	0		0	mg/L	1	02/23/2024 11:26	R343508
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		22	mg/L	1	02/23/2024 12:35	R343558
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	02/23/2024 12:42	R343641
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		< 0.10	mg/L	1	02/23/2024 13:47	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	02/23/2024 12:42	R343643
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		0.148	mg/L	1	02/27/2024 12:25	219088
Magnesium	NELAP	0.006	0.050	J	0.036	mg/L	1	02/27/2024 12:25	219088
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	02/27/2024 12:25	219088
Sodium	NELAP	0.018	0.050	J	0.038	mg/L	1	02/27/2024 12:25	219088
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/23/2024 22:39	219088
Arsenic	NELAP	0.4	1.0	J	0.8	µg/L	5	02/23/2024 22:39	219088
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	02/23/2024 22:39	219088
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 22:39	219088
Boron	NELAP	9.2	20.0		126	µg/L	5	02/23/2024 22:39	219088
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 22:39	219088
Chromium	NELAP	0.7	1.5	J	0.8	µg/L	5	02/23/2024 22:39	219088
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	02/23/2024 22:39	219088
Lead	NELAP	0.6	1.0		6.7	µg/L	5	02/23/2024 22:39	219088
Lithium	*	1.4	3.0		< 3.0	µg/L	5	02/23/2024 22:39	219088
Molybdenum	NELAP	0.6	1.5	J	0.9	µg/L	5	02/23/2024 22:39	219088
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/23/2024 22:39	219088
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/26/2024 17:27	219088
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	03/05/2024 11:50	219476



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24020001-054	G281	Groundwater	4	02/15/2024 14:22
24020001-058	G301	Groundwater	2	02/19/2024 12:03
24020001-059	G302	Groundwater	2	02/19/2024 13:27
24020001-060	G303	Groundwater	2	02/14/2024 10:23
24020001-061	G305	Groundwater	2	02/19/2024 14:56
24020001-062	G306	Groundwater	2	02/14/2024 11:35
24020001-063	G307	Groundwater	2	02/14/2024 14:58
24020001-064	G307D	Groundwater	2	02/14/2024 13:42
24020001-065	G308	Groundwater	2	02/16/2024 10:04
24020001-066	G310	Groundwater	2	02/19/2024 11:24
24020001-067	G312	Groundwater	2	02/19/2024 14:11
24020001-068	G313	Groundwater	2	02/13/2024 14:19
24020001-069	G314	Groundwater	2	02/13/2024 13:11
24020001-070	G314D	Groundwater	2	02/13/2024 12:20
24020001-071	G315	Groundwater	2	02/14/2024 12:45
24020001-072	G316	Groundwater	2	02/13/2024 11:31
24020001-089	SG-02	Groundwater	1	02/12/2024 15:01
24020001-090	SG-03	Groundwater	1	02/12/2024 11:43
24020001-094	XPW01	Leachate	2	02/19/2024 10:48
24020001-095	XPW02	Leachate	2	02/16/2024 10:45
24020001-096	XSG-01	Groundwater	1	02/12/2024 15:10
24020001-097	Field Blank	Aqueous	8	02/21/2024 15:03
24020001-101	G301 Duplicate	Groundwater	2	02/19/2024 12:03
24020001-103	Equipment Blank 1	Aqueous	11	02/21/2024 14:58



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

STANDARD METHODS 2510 B FIELD

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-1											
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	02/13/2024	

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-10											
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	02/14/2024	

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-11											
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	02/15/2024	

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-12											
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	02/16/2024	

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-13											
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	02/19/2024	

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-14											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	99.7	90	110	02/20/2024	

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-2											
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	02/14/2024	

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-3											
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	02/15/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

STANDARD METHODS 2510 B FIELD

Batch R343520 SampType: LCS Units $\mu\text{S/cm}$

SampleID: LCS-R343520-4

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	02/16/2024

Batch R343520 SampType: LCS Units $\mu\text{S/cm}$

SampleID: LCS-R343520-5

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	02/19/2024

Batch R343520 SampType: LCS Units $\mu\text{S/cm}$

SampleID: LCS-R343520-6

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	02/20/2024

Batch R343520 SampType: LCS Units $\mu\text{S/cm}$

SampleID: LCS-R343520-7

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	02/21/2024

Batch R343520 SampType: LCS Units $\mu\text{S/cm}$

SampleID: LCS-R343520-8

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field	*	0		1420	1412	0	100.5	90	110	02/22/2024

Batch R343520 SampType: LCS Units $\mu\text{S/cm}$

SampleID: LCS-R343520-9

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	02/13/2024

SW-846 9040B FIELD

Batch R343520 SampType: LCS Units

SampleID: LCS-R343520-1

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	02/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9040B FIELD

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-10											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4		02/14/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-11											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4		02/15/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-12											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.09	7.000	0	101.3	98.57	101.4		02/16/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-13											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.09	7.000	0	101.3	98.57	101.4		02/19/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-14											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.08	7.000	0	101.1	98.57	101.4		02/20/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-2											
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		02/14/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-3											
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		02/15/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-4											
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		02/16/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9040B FIELD

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-5											
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		02/19/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-6											
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		02/20/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-7											
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		02/21/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-8											
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		02/22/2024

Batch R343520		SampType: LCS		Units							Date
SampID: LCS-R343520-9											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
pH	*	1.00		7.08	7.000	0	101.1	98.57	101.4		02/13/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343190		SampType: MBLK		Units mg/L							Date
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		02/15/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		02/15/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100		02/15/2024

Batch R343190		SampType: LCS		Units mg/L							Date
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Total Dissolved Solids		20		958	1000	0	95.8	90	110		02/15/2024
Total Dissolved Solids		20		916	1000	0	91.6	90	110		02/15/2024
Total Dissolved Solids		20		956	1000	0	95.6	90	110		02/15/2024



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343190		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24020001-098ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		528				548.0	3.72	02/15/2024	

Batch R343190		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24021083-004ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50		470				495.0	5.18	02/15/2024	

Batch R343201		SampType: MBLK		Units mg/L						Date Analyzed
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	02/16/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/16/2024

Batch R343201		SampType: LCS		Units mg/L						Date Analyzed
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		926	1000	0	92.6	90	110	02/16/2024
Total Dissolved Solids		20		914	1000	0	91.4	90	110	02/16/2024

Batch R343201		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24021085-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50		605				590.0	2.51	02/16/2024	

Batch R343201		SampType: DUP		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24021141-003ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50	H	675				735.0	8.51	02/16/2024	

Batch R343246		SampType: MBLK		Units mg/L						Date Analyzed
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	02/17/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343246		SampType: LCS		Units mg/L							Date Analyzed
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	02/17/2024	

Batch R343246		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-026ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		568				546.0	3.95	02/17/2024		

Batch R343312		SampType: MBLK		Units mg/L							Date Analyzed
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	02/19/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/19/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/19/2024	

Batch R343312		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		916	1000	0	91.6	90	110	02/19/2024	
Total Dissolved Solids		20		902	1000	0	90.2	90	110	02/19/2024	
Total Dissolved Solids		20		932	1000	0	93.2	90	110	02/19/2024	

Batch R343312		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021230-002ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		380				350.0	8.22	02/19/2024		

Batch R343312		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021289-001ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		2120				2070	2.15	02/19/2024		

Batch R343312		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021298-009BDUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		605				550.0	9.52	02/19/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343377		SampType: MBLK		Units mg/L							Date Analyzed
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	02/20/2024	

Batch R343377		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		940	1000	0	94.0	90	110	02/20/2024	

Batch R343377		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-025ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		432				428.0	0.93	02/20/2024		

Batch R343433		SampType: MBLK		Units mg/L							Date Analyzed
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	02/21/2024	

Batch R343433		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		936	1000	0	93.6	90	110	02/21/2024	

Batch R343433		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021289-003ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		1970				1995	1.26	02/21/2024		

Batch R343489		SampType: MBLK		Units mg/L							Date Analyzed
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	02/22/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/22/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/22/2024	



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q1

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Batch R343489		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		928	1000	0	92.8	90	110	02/22/2024	
Total Dissolved Solids		20	S	864	1000	0	86.4	90	110	02/22/2024	
Total Dissolved Solids		20		902	1000	0	90.2	90	110	02/22/2024	

Batch R343489		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-102ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		535				555.0	3.67	02/22/2024		

Batch R343489		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021616-001ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		20		90				82.00	9.30	02/22/2024		

Batch R343558		SampType: MBLK		Units mg/L							Date Analyzed
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	02/23/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/23/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/23/2024	

Batch R343558		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		926	1000	0	92.6	90	110	02/23/2024	
Total Dissolved Solids		20		928	1000	0	92.8	90	110	02/23/2024	
Total Dissolved Solids		20		960	1000	0	96.0	90	110	02/23/2024	

Batch R343558		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24010117-007ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		350				380.0	8.22	02/23/2024		



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Batch R343558		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24021724-019ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50		950				960.0	1.05	02/23/2024	

Batch R343558		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24021740-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50	H	1170				1275	8.59	02/23/2024	

Batch R343638		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	02/26/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/26/2024	
Total Dissolved Solids		20	S	32	16.00	0	200.0	-100	100	02/26/2024	

Batch R343638		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	B	930	1000	0	93.0	90	110	02/26/2024	
Total Dissolved Solids		20		902	1000	0	90.2	90	110	02/26/2024	
Total Dissolved Solids		20		910	1000	0	91.0	90	110	02/26/2024	

Batch R343638		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24020001-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50		1740				1700	2.33	02/26/2024	

Batch R343638		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24021724-006ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		1090				1102	0.91	02/26/2024	

Batch R343666		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	02/27/2024	



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Batch R343666		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		926	1000	0	92.6	90	110	02/27/2024	

Batch R343666		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021397-001ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		410				430.0	4.76	02/27/2024		

Batch R343743		SampType: MBLK		Units mg/L							Date Analyzed
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	02/28/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/28/2024	

Batch R343743		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		902	1000	0	90.2	90	110	02/28/2024	
Total Dissolved Solids		20		900	1000	0	90.0	90	110	02/28/2024	

Batch R343743		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-075ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		400				380.0	5.13	02/28/2024		

Batch R343743		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24010117-008ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		100		350				330.0	5.88	02/28/2024		

Batch R343743		SampType: DUP		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021482-002ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Total Dissolved Solids		50		1410				1345	4.72	02/28/2024		



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Batch R343743		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24021484-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50		450				420.0	6.90	02/28/2024	

Batch R344178		SampType: MBLK		Units mg/L				RPD Limit: 10			
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	03/08/2024	

Batch R344178		SampType: LCS		Units mg/L				RPD Limit: 10			
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		948	1000	0	94.8	90	110	03/08/2024	

Batch R344178		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24020001-047ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20	H	1050				1008	4.46	03/08/2024	

Batch R344178		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24030421-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20		490				460.0	6.32	03/08/2024	

Batch R344178		SampType: DUP		Units mg/L				RPD Limit: 10			
SampID: 24030547-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		50		3490				3655	4.62	03/08/2024	

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

Batch R343163		SampType: MBLK		Units mg/L				RPD Limit: 10			
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	02/16/2024	



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Batch R343163		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		1.00	1.000	0	100.0	90	110	02/16/2024	

Batch R343163		SampType: MS		Units mg/L							
SampID: 24020001-008GMS											
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	0.05000	91.8	90	110	02/16/2024	

Batch R343163		SampType: MSD		Units mg/L						RPD Limit: 10		Date Analyzed
SampID: 24020001-008GMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)		0.10		1.86	2.000	0.05000	90.8	1.887	1.17	02/16/2024		

Batch R343163		SampType: MS		Units mg/L							
SampID: 24020763-003IMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.20	S	5.61	4.000	2.136	86.9	90	110	02/16/2024	

Batch R343163		SampType: MSD		Units mg/L						RPD Limit: 10		Date Analyzed
SampID: 24020763-003IMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)		0.20	S	5.65	4.000	2.136	87.8	5.613	0.64	02/16/2024		

Batch R343163		SampType: MS		Units mg/L							
SampID: 24020894-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.20		5.56	4.000	1.781	94.6	90	110	02/16/2024	

Batch R343163		SampType: MSD		Units mg/L						RPD Limit: 10		Date Analyzed
SampID: 24020894-001DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)		0.20		5.48	4.000	1.781	92.4	5.564	1.61	02/16/2024		

Batch R343163		SampType: MS		Units mg/L							
SampID: 24021018-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.94	2.000	0.03000	95.6	90	110	02/16/2024	



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Batch R343163		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021018-007BMSD										
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	0.03000	93.5	1.941	2.13	02/16/2024

Batch R343163		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021046-001AMS										
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	94.7	90	110	02/16/2024

Batch R343163		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021046-001AMSD										
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	96.4	1.894	1.73	02/16/2024

Batch R343163		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021172-001JMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		1.00	E	52.8	20.00	34.60	90.8	90	110	02/16/2024

Batch R343163		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021172-001JMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		1.00	E	53.4	20.00	34.60	94.2	52.75	1.28	02/16/2024

Batch R343258		SampType: MBLK		Units mg/L			RPD Limit: 10			
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	02/19/2024

Batch R343258		SampType: LCS		Units mg/L			RPD Limit: 10			
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		0.99	1.000	0	99.4	90	110	02/19/2024

Batch R343258		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24020001-016EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.84	2.000	0	92.0	90	110	02/19/2024



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Batch	R343258	SampType:	MSD	Units mg/L			RPD Limit: 10				
SampID: 24020001-016EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.85	2.000	0	92.4	1.841	0.33	02/19/2024	

Batch	R343258	SampType:	MS	Units mg/L			RPD Limit: 10				
SampID: 24020001-020FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.85	2.000	0.04400	90.2	90	110	02/19/2024	

Batch	R343258	SampType:	MSD	Units mg/L			RPD Limit: 10				
SampID: 24020001-020FMMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.76	2.000	0.04400	85.7	1.847	4.94	02/19/2024	

Batch	R343258	SampType:	MS	Units mg/L			RPD Limit: 10				
SampID: 24021086-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		1.00		28.5	20.00	9.698	94.2	90	110	02/19/2024	

Batch	R343258	SampType:	MSD	Units mg/L			RPD Limit: 10				
SampID: 24021086-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		1.00		28.4	20.00	9.698	93.3	28.55	0.64	02/19/2024	

Batch	R343258	SampType:	MS	Units mg/L			RPD Limit: 10				
SampID: 24021292-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.61	2.000	0.7460	93.0	90	110	02/19/2024	

Batch	R343258	SampType:	MSD	Units mg/L			RPD Limit: 10				
SampID: 24021292-001AMSD											
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	0.7460	93.6	2.606	0.46	02/19/2024	

Batch	R343258	SampType:	MS	Units mg/L			RPD Limit: 10				
SampID: 24021354-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.95	2.000	0	97.4	90	110	02/19/2024	



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Batch R343258		SampType: MSD		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: 24021354-002CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)		0.10		1.93	2.000	0	96.6	1.948	0.88	02/19/2024	

Batch R343391		SampType: MBLK		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	02/21/2024	

Batch R343391		SampType: LCS		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.02	1.000	0	102.3	90	110	02/21/2024	

Batch R343391		SampType: MS		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: 24021454-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		2.77	2.000	0.8330	97.0	90	110	02/21/2024	

Batch R343391		SampType: MSD		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: 24021454-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)		0.10		2.73	2.000	0.8330	94.9	2.772	1.49	02/21/2024	

Batch R343391		SampType: MS		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: 24021468-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		2.24	2.000	0.3640	94.0	90	110	02/21/2024	

Batch R343391		SampType: MSD		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: 24021468-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)		0.10		2.22	2.000	0.3640	92.7	2.245	1.21	02/21/2024	

Batch R343465		SampType: MBLK		Units mg/L			RPD Limit: 10				Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	02/23/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

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

Batch R343465		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		0.98	1.000	0	98.2	90	110	02/23/2024	

Batch R343465		SampType: MS		Units mg/L							
SampID: 24020901-002EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	E	6.09	2.000	4.210	94.1	90	110	02/23/2024	

Batch R343465		SampType: MSD		Units mg/L							
SampID: 24020901-002EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	E	6.10	2.000	4.210	94.6	6.092	0.16	02/23/2024	

Batch R343465		SampType: MS		Units mg/L							
SampID: 24021442-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		5.00		121	100.0	26.29	94.6	90	110	02/23/2024	

Batch R343465		SampType: MSD		Units mg/L							
SampID: 24021442-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		5.00		120	100.0	26.29	94.0	120.9	0.47	02/23/2024	

Batch R343465		SampType: MS		Units mg/L							
SampID: 24021459-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		2.00	S	36.5	40.00	9.752	67.0	90	110	02/23/2024	

Batch R343465		SampType: MSD		Units mg/L							
SampID: 24021459-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Ammonia (as N)		2.00	S	36.4	40.00	9.752	66.7	36.55	0.33	02/23/2024	

Batch R343465		SampType: MS		Units mg/L							
SampID: 24021516-007BMS											
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	0.04100	93.9	90	110	02/23/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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

Batch R343465		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021516-007BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.95	2.000	0.04100	95.6	1.919	1.70	02/23/2024

Batch R343465		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021541-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.91	2.000	0	95.4	90	110	02/23/2024

Batch R343465		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021541-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.88	2.000	0	94.1	1.907	1.32	02/23/2024

Batch R343465		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021551-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.84	2.000	0	92.2	90	110	02/23/2024

Batch R343465		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021551-002BMSD										
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	95.3	1.845	3.25	02/23/2024

Batch R343465		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021558-001EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		2.66	2.000	0.7930	93.2	90	110	02/23/2024

Batch R343465		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021558-001EMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		2.69	2.000	0.7930	95.0	2.657	1.35	02/23/2024

Batch R343465		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021615-004EMS										
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	94.9	90	110	02/23/2024



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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Batch R343465		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021615-004EMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.89	2.000	0	94.4	1.898	0.53	02/23/2024

Batch R343465		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021693-004DMS										
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	94.9	90	110	02/23/2024

Batch R343465		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021693-004DMSD										
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	95.4	1.898	0.58	02/23/2024

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

Batch R343137		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24020001-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0.005000	96.8	85	115	02/15/2024

Batch R343137		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24020001-005BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0.005000	96.8	0.4890	0.00	02/15/2024

Batch R343137		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24020001-006BMS										
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	93.8	85	115	02/15/2024

Batch R343137		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24020001-006BMSD										
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	93.8	0.4690	0.00	02/15/2024



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Client: Ramboll

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Client Project: COF-24Q1

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Batch R343198		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-004BMS											
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	95.4	85	115	02/16/2024	

Batch R343198		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-004BMSD												
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	94.8	0.4770	0.63	02/16/2024		

Batch R343198		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-013BMS											
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	95.6	85	115	02/16/2024	

Batch R343198		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-013BMSD												
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	96.2	0.4780	0.63	02/16/2024		

Batch R343316		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-025BMS											
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	102.4	85	115	02/20/2024	

Batch R343316		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-025BMSD												
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	104.2	0.5120	1.74	02/20/2024		

Batch R343380		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021571-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	103.2	85	115	02/21/2024	

Batch R343380		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021571-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.8	0.5160	2.35	02/21/2024		



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Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
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STANDARD METHODS 4500-NO2 B (DISSOLVED) 2000, 2011

Batch R343446		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020901-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.6	85	115	02/22/2024	

Batch R343446		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020901-002BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.4	0.4980	2.23	02/22/2024		

Batch R343446		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020901-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.0	85	115	02/22/2024	

Batch R343446		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020901-004BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.2	0.5000	0.20	02/22/2024		

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

Batch R343137		SampType: MBLK		Units mg/L							Date Analyzed
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	02/15/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/15/2024	

Batch R343137		SampType: LCS		Units mg/L							Date Analyzed
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	99.8	90	110	02/15/2024	
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.8	90	110	02/15/2024	

Batch R343137		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021212-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.6	85	115	02/15/2024	



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Client: Ramboll

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

Batch	R343137	SampType:	MSD	Units mg/L			RPD Limit: 10				
SampID: 24021212-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.2	0.5030	0.40	02/15/2024	

Batch	R343198	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	02/16/2024	

Batch	R343198	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	101.8	90	110	02/16/2024	

Batch	R343198	SampType:	MS	Units mg/L							
SampID: 24021230-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.2	85	115	02/16/2024	

Batch	R343198	SampType:	MSD	Units mg/L			RPD Limit: 10				
SampID: 24021230-001AMSD											
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	96.8	0.4860	0.41	02/16/2024	

Batch	R343316	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	02/20/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/20/2024	

Batch	R343316	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	102.1	90	110	02/20/2024	
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	102.1	90	110	02/20/2024	



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Batch R343316		SampType: MS		Units mg/L							
SampID: 24020001-042AMS											
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	102.8	85	115	02/20/2024	

Batch R343316		SampType: MSD		Units mg/L							
SampID: 24020001-042AMSD											
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	105.0	0.5140	2.12	02/20/2024	

Batch R343316		SampType: MS		Units mg/L							
SampID: 24021461-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.66	0.5000	0.1550	101.8	85	115	02/20/2024	

Batch R343316		SampType: MSD		Units mg/L							
SampID: 24021461-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.66	0.5000	0.1550	100.8	0.6640	0.76	02/20/2024	

Batch R343380		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	02/21/2024	

Batch R343380		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	104.4	90	110	02/21/2024	

Batch R343380		SampType: MS		Units mg/L							
SampID: 24021509-001AMS											
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	94.2	85	115	02/21/2024	

Batch R343380		SampType: MSD		Units mg/L							
SampID: 24021509-001AMSD											
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	88.0	0.4710	6.81	02/21/2024	



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Batch R343380		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021534-001AMS											
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	0.02300	97.6	85	115	02/21/2024	

Batch R343380		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021534-001AMSD												
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	0.02300	97.0	0.5110	0.59	02/21/2024		

Batch R343446		SampType: MBLK		Units mg/L							Date Analyzed
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	02/22/2024	

Batch R343446		SampType: LCS		Units mg/L							Date Analyzed
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	104.1	90	110	02/22/2024	

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

Batch R343164		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.496	0.2500	0.2630	93.2	85	115	02/15/2024	

Batch R343164		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-010BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.486	0.2500	0.2630	89.2	0.4960	2.04	02/15/2024		

Batch R343269		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-017BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.481	0.2500	0.2600	88.4	85	115	02/16/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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Batch R343269		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24020001-017BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.485	0.2500	0.2600	90.0	0.4810	0.83	02/16/2024	

Batch R343443		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 24020901-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.694	0.2500	0.4430	100.4	90	110	02/22/2024	

Batch R343443		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24020901-005BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.696	0.2500	0.4430	101.2	0.6940	0.29	02/22/2024	

Batch R343443		SampType: MS		Units mg/L				RPD Limit: 10			
SampID: 24021571-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		8.27	2.500	5.760	100.6	85	115	02/22/2024	

Batch R343443		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24021571-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		8.10	2.500	5.760	93.4	8.274	2.17	02/22/2024	

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Batch R343164		SampType: MBLK		Units mg/L				RPD Limit: 10			
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						02/15/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	02/15/2024	

Batch R343164		SampType: LCS		Units mg/L				RPD Limit: 10			
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		0.513	0.5000	0	102.6	90	110	02/15/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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Batch R343164		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021019-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		11.4	5.000	6.744	92.5	90	110	02/15/2024	

Batch R343164		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021019-003AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		1.00		11.4	5.000	6.744	93.1	11.37	0.26	02/15/2024		

Batch R343164		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021083-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.214	0.2500	0	85.6	85	115	02/15/2024	

Batch R343164		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021083-004AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.215	0.2500	0	86.0	0.2140	0.47	02/15/2024		

Batch R343164		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021085-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.194	0.2500	0	77.6	85	115	02/15/2024	

Batch R343164		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021085-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.196	0.2500	0	78.4	0.1940	1.03	02/15/2024		

Batch R343164		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021127-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.220	0.2500	0.01100	83.6	90	110	02/15/2024	

Batch R343164		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021127-001CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.224	0.2500	0.01100	85.2	0.2200	1.80	02/15/2024		



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Batch R343164		SampType: MS		Units mg/L							
SampID: 24021127-009CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.221	0.2500	0	88.4	90	110	02/15/2024	

Batch R343164		SampType: MSD		Units mg/L							
SampID: 24021127-009CMSD											
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	0.2210	3.12	02/15/2024	

Batch R343164		SampType: MS		Units mg/L							
SampID: 24021219-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.224	0.2500	0.01200	84.8	85	115	02/15/2024	

Batch R343164		SampType: MSD		Units mg/L							
SampID: 24021219-006BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	SR	0.193	0.2500	0.01200	72.4	0.2240	14.87	02/15/2024	

Batch R343269		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						02/16/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	02/16/2024	

Batch R343269		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		0.490	0.5000	0	98.0	90	110	02/16/2024	

Batch R343269		SampType: MS		Units mg/L							
SampID: 24021230-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.43	0.5000	0.9840	90.0	85	115	02/16/2024	



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Work Order: 24020001

Client Project: COF-24Q1

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Batch R343269		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021230-003AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.43	0.5000	0.9840	88.8	1.434	0.42	02/16/2024

Batch R343269		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021298-006CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.210	0.2500	0	84.0	90	110	02/16/2024

Batch R343269		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021298-006CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.201	0.2500	0	80.4	0.2100	4.38	02/16/2024

Batch R343286		SampType: MBLK		Units mg/L			RPD Limit: 10			
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						02/20/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	02/20/2024

Batch R343286		SampType: LCS		Units mg/L			RPD Limit: 10			
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		0.494	0.5000	0	98.8	90	110	02/20/2024

Batch R343286		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24020001-025AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.40	1.250	2.060	106.8	85	115	02/20/2024

Batch R343286		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24020001-025AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.31	1.250	2.060	99.9	3.395	2.57	02/20/2024



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Work Order: 24020001

Client Project: COF-24Q1

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Batch R343286		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021276-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.288	0.2500	0.02700	104.4	90	110	02/20/2024	

Batch R343286		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021276-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.285	0.2500	0.02700	103.2	0.2880	1.05	02/20/2024		

Batch R343286		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021347-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	23.3	5.000	18.59	94.0	90	110	02/20/2024	

Batch R343286		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021347-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		1.00	E	23.4	5.000	18.59	95.7	23.29	0.36	02/20/2024		

Batch R343351		SampType: MBLK		Units mg/L							Date Analyzed
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						02/21/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	02/21/2024	

Batch R343351		SampType: LCS		Units mg/L							Date Analyzed
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		0.490	0.5000	0	98.0	90	110	02/21/2024	

Batch R343351		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021447-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		14.4	5.000	9.669	94.8	90	110	02/21/2024	



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Work Order: 24020001

Client Project: COF-24Q1

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Batch	R343351	SampType:	MSD	Units mg/L				RPD Limit: 10			
SampID: 24021447-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		14.7	5.000	9.669	101.0	14.41	2.12	02/21/2024	

Batch	R343351	SampType:	MS	Units mg/L				RPD Limit: 10			
SampID: 24021461-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00	S	18.9	5.000	14.49	88.0	90	110	02/21/2024	

Batch	R343351	SampType:	MSD	Units mg/L				RPD Limit: 10			
SampID: 24021461-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00	S	18.6	5.000	14.49	82.6	18.88	1.45	02/21/2024	

Batch	R343351	SampType:	MS	Units mg/L				RPD Limit: 10			
SampID: 24021509-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		5.00		43.3	25.00	20.03	93.3	90	110	02/21/2024	

Batch	R343351	SampType:	MSD	Units mg/L				RPD Limit: 10			
SampID: 24021509-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		5.00		43.7	25.00	20.03	94.6	43.35	0.79	02/21/2024	

Batch	R343351	SampType:	MS	Units mg/L				RPD Limit: 10			
SampID: 24021524-008AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		11.0	5.000	5.914	100.8	85	115	02/21/2024	

Batch	R343351	SampType:	MSD	Units mg/L				RPD Limit: 10			
SampID: 24021524-008AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		10.8	5.000	5.914	97.1	10.95	1.68	02/21/2024	



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Client: Ramboll

Work Order: 24020001

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Batch R343443		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						02/22/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	02/22/2024	

Batch R343443		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		0.503	0.5000	0	100.6	90	110	02/22/2024	

Batch R343443		SampType: MS		Units mg/L							
SampID: 24020001-078AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.475	0.2500	0.2250	100.0	85	115	02/22/2024	

Batch R343443		SampType: MSD		Units mg/L							
SampID: 24020001-078AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.479	0.2500	0.2250	101.6	0.4750	0.84	02/22/2024	

Batch R343443		SampType: MS		Units mg/L							
SampID: 24021555-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	2.05	0.5000	1.520	106.8	90	110	02/22/2024	

Batch R343443		SampType: MSD		Units mg/L							
SampID: 24021555-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	2.03	0.5000	1.520	102.6	2.054	1.03	02/22/2024	

Batch R343443		SampType: MS		Units mg/L							
SampID: 24021615-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.13	1.250	1.895	98.6	90	110	02/22/2024	



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Batch R343443		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021615-003AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.19	1.250	1.895	103.8	3.127	2.06	02/22/2024

Batch R343443		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24021660-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.0	5.000	10.19	96.7	90	110	02/22/2024

Batch R343443		SampType: MSD		Units mg/L			RPD Limit: 10			
SampID: 24021660-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		14.9	5.000	10.19	95.1	15.02	0.51	02/22/2024

SW-846 9012A (TOTAL)

Batch 218736		SampType: MBLK		Units mg/L			RPD Limit: 10			
SampID: MBLK 240214 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	02/15/2024

Batch 218736		SampType: LCS		Units mg/L			RPD Limit: 10			
SampID: LCS 240214 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	100.2	90	110	02/15/2024

Batch 218736		SampType: MS		Units mg/L			RPD Limit: 10			
SampID: 24020831-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		0.144	0.1250	0.01712	101.1	90	110	02/15/2024

Batch 218736		SampType: MSD		Units mg/L			RPD Limit: 15			
SampID: 24020831-001CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		0.138	0.1250	0.01712	97.0	0.1436	3.64	02/15/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218736		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020991-002HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	99.7	75	125	02/15/2024	

Batch 218736		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020991-002HMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.024	0.0250	0	97.9	0.02492	1.82	02/15/2024		

Batch 218790		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240215 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	02/16/2024	

Batch 218790		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240215 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	90.9	90	110	02/16/2024	

Batch 218790		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-005EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.019	0.0250	0	77.0	75	125	02/16/2024	

Batch 218790		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-005EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005	R	0.023	0.0250	0	93.8	0.01926	19.64	02/16/2024		

Batch 218790		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021110-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	95.0	90	110	02/16/2024	

Batch 218790		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021110-001DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.024	0.0250	0	97.6	0.02376	2.66	02/16/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218790		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021122-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.025		0.137	0.1250	0.02172	92.0	90	110	02/16/2024	

Batch 218790		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021122-001CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.025		0.146	0.1250	0.02172	99.2	0.1368	6.35	02/16/2024		

Batch 218792		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240215 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	02/16/2024	

Batch 218792		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240215 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	96.6	90	110	02/16/2024	

Batch 218792		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020991-005EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	97.7	75	125	02/16/2024	

Batch 218792		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020991-005EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.023	0.0250	0	93.0	0.02443	4.93	02/16/2024		

Batch 218850		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240216 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	02/19/2024	

Batch 218850		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240216 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	96.3	90	110	02/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218850		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-004DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	95.0	75	125	02/19/2024	

Batch 218850		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-004DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.025	0.0250	0	99.7	0.02376	4.83	02/19/2024		

Batch 218850		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021139-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	< 0.005	0.0250	0	0	90	110	02/19/2024	

Batch 218850		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021139-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005	S	< 0.005	0.0250	0	0	0	0.00	02/19/2024		

Batch 218851		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240216 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	02/19/2024	

Batch 218851		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240216 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	95.1	90	110	02/19/2024	

Batch 218851		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020991-006EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.015	0.0250	0	59.9	75	125	02/19/2024	

Batch 218851		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020991-006EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005	SR	0.011	0.0250	0	43.7	0.01496	31.25	02/19/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218851		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020991-013EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	91.7	75	125	02/19/2024	

Batch 218851		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020991-013EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.023	0.0250	0	91.3	0.02292	0.46	02/19/2024		

Batch 218898		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240219 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	02/20/2024	

Batch 218898		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240219 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	95.4	90	110	02/20/2024	

Batch 218898		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021219-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	98.5	75	125	02/20/2024	

Batch 218898		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021219-001EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.025	0.0250	0	100.7	0.02462	2.27	02/20/2024		

Batch 218898		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021293-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	99.4	90	110	02/20/2024	

Batch 218898		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021293-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.026	0.0250	0	105.0	0.02485	5.52	02/20/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9012A (TOTAL)

Batch 218900		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240219 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	02/20/2024	

Batch 218900		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240219 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	98.5	90	110	02/20/2024	

Batch 218900		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021219-009EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	103.1	75	125	02/20/2024	

Batch 218900		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021219-009EMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.026	0.0250	0	102.3	0.02577	0.74	02/20/2024		

Batch 218964		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240220 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	02/21/2024	

Batch 218964		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240220 TCN1											
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	02/21/2024	

Batch 219081		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240222 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	02/23/2024	

Batch 219081		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240222 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	99.5	90	110	02/23/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9012A (TOTAL)

Batch 219081		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-076DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	93.3	75	125	02/23/2024	

Batch 219081		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-076DMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.023	0.0250	0	92.3	0.02333	1.12	02/23/2024		

Batch 219139		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240223 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	02/26/2024	

Batch 219139		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240223 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	92.9	90	110	02/26/2024	

Batch 219139		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-027EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	91.3	75	125	02/26/2024	

Batch 219139		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-027EMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.005		0.023	0.0250	0	93.0	0.02283	1.78	02/26/2024		

Batch 219197		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK 240226 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	02/27/2024	

Batch 219197		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS 240226 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	94.4	90	110	02/27/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9012A (TOTAL)

Batch 219197		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021830-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.025		0.133	0.1250	0.01215	96.8	90	110	02/27/2024	

Batch 219197		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021830-001CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Cyanide		0.025		0.131	0.1250	0.01215	94.7	0.1332	1.95	02/27/2024		

SW-846 9036 (DISSOLVED)

Batch R343078		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-031BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		73	40.00	37.08	90.3	85	115	02/14/2024	

Batch R343078		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-031BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		76	40.00	37.08	97.9	73.20	4.07	02/14/2024		

Batch R343392		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		186	100.0	87.70	98.0	85	115	02/21/2024	

Batch R343392		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-025BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		178	100.0	87.70	90.8	185.7	3.98	02/21/2024		

Batch R343452		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020901-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		242	100.0	145.6	96.7	85	115	02/22/2024	



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 9036 (DISSOLVED)

Batch R343452		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24020901-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		50		234	100.0	145.6	88.8	242.3	3.34	02/22/2024	

SW-846 9036 (TOTAL)

Batch R343078		SampType: MBLK		Units mg/L							Date Analyzed
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	02/14/2024	

Batch R343078		SampType: LCS		Units mg/L							Date Analyzed
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	96.7	90	110	02/14/2024	

Batch R343078		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020907-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		90	40.00	52.32	95.3	90	110	02/14/2024	

Batch R343078		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24020907-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		20		93	40.00	52.32	101.2	90.44	2.59	02/14/2024	

Batch R343078		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020991-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		348	200.0	168.4	89.8	85	115	02/15/2024	

Batch R343078		SampType: MSD		Units mg/L				RPD Limit: 10			Date Analyzed
SampID: 24020991-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		100		345	200.0	168.4	88.4	348.1	0.85	02/15/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343078		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020991-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100	S	323	200.0	156.6	83.4	85	115	02/15/2024	

Batch R343078		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020991-010BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100	S	326	200.0	156.6	84.6	323.4	0.75	02/15/2024		

Batch R343142		SampType: MBLK		Units mg/L							Date Analyzed
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	02/15/2024	

Batch R343142		SampType: LCS		Units mg/L							Date Analyzed
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	96.7	90	110	02/15/2024	

Batch R343142		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021083-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	E	51	20.00	32.47	90.8	85	115	02/15/2024	

Batch R343142		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021083-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	E	51	20.00	32.47	92.2	50.63	0.55	02/15/2024		

Batch R343209		SampType: MBLK		Units mg/L							Date Analyzed
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	02/16/2024	

Batch R343209		SampType: LCS		Units mg/L							Date Analyzed
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	94.5	90	110	02/16/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343209		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021085-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		94	40.00	59.02	88.2	85	115	02/16/2024	

Batch R343209		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021085-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		94	40.00	59.02	88.3	94.31	0.03	02/16/2024		

Batch R343209		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021127-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	S	35	40.00	0	88.7	90	110	02/16/2024	

Batch R343209		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021127-007BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20	S	34	40.00	0	85.5	35.48	3.64	02/16/2024		

Batch R343209		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021127-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	S	32	40.00	0	81.2	90	110	02/16/2024	

Batch R343209		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021127-009BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20	S	33	40.00	0	82.6	32.47	1.74	02/16/2024		

Batch R343209		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021140-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200		702	400.0	311.2	97.8	90	110	02/16/2024	

Batch R343209		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021140-002AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		200		674	400.0	311.2	90.8	702.5	4.11	02/16/2024		



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343209		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021219-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		18	20.00	0	91.0	85	115	02/16/2024	

Batch R343209		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021219-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		18	20.00	0	92.4	18.19	1.58	02/16/2024		

Batch R343255		SampType: MBLK		Units mg/L							Date Analyzed
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	02/19/2024	

Batch R343255		SampType: LCS		Units mg/L							Date Analyzed
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	98.6	90	110	02/19/2024	

Batch R343255		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		227	100.0	127.7	98.8	85	115	02/19/2024	

Batch R343255		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-007AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		221	100.0	127.7	93.3	226.5	2.48	02/19/2024		

Batch R343255		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021216-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	E	109	40.00	72.10	92.0	85	115	02/19/2024	

Batch R343255		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021216-006AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20	E	113	40.00	72.10	102.0	108.9	3.57	02/19/2024		



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9036 (TOTAL)

Batch R343255		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021217-009AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		84	40.00	46.70	94.1	85	115	02/19/2024	

Batch R343255		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021217-009AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		86	40.00	46.70	99.2	84.32	2.39	02/19/2024		

Batch R343255		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021218-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		228	100.0	135.7	92.4	85	115	02/19/2024	

Batch R343255		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021218-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		228	100.0	135.7	92.2	228.1	0.07	02/19/2024		

Batch R343255		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021230-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		31	20.00	13.38	87.8	85	115	02/19/2024	

Batch R343255		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021230-003AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10		31	20.00	13.38	89.7	30.95	1.16	02/19/2024		

Batch R343255		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021298-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	S	72	40.00	36.95	86.9	90	110	02/20/2024	

Batch R343255		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021298-004BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20	S	73	40.00	36.95	89.4	71.69	1.44	02/20/2024		



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

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Batch R343322		SampType: MBLK		Units mg/L							Date Analyzed
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	02/20/2024	

Batch R343322		SampType: LCS		Units mg/L							Date Analyzed
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	99.7	90	110	02/20/2024	

Batch R343322		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021285-020BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		83	40.00	44.53	96.7	85	115	02/20/2024	

Batch R343322		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021285-020BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		81	40.00	44.53	91.5	83.20	2.53	02/20/2024		

Batch R343392		SampType: MBLK		Units mg/L							Date Analyzed
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	02/21/2024	

Batch R343392		SampType: LCS		Units mg/L							Date Analyzed
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	92.6	90	110	02/21/2024	

Batch R343392		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		174	100.0	77.84	96.2	85	115	02/21/2024	

Batch R343392		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-025AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		178	100.0	77.84	100.0	174.0	2.17	02/21/2024		



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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Batch R343392		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-094AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200		917	400.0	540.8	94.0	85	115	02/21/2024	

Batch R343392		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-094AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		200		907	400.0	540.8	91.5	916.8	1.12	02/21/2024		

Batch R343392		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021285-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		200		765	400.0	394.3	92.8	85	115	02/21/2024	

Batch R343392		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021285-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		200		791	400.0	394.3	99.1	765.5	3.22	02/21/2024		

Batch R343392		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021285-016BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		326	200.0	136.4	94.9	85	115	02/21/2024	

Batch R343392		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021285-016BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		100		327	200.0	136.4	95.4	326.1	0.35	02/21/2024		

Batch R343452		SampType: MBLK		Units mg/L							Date Analyzed
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	02/22/2024	

Batch R343452		SampType: LCS		Units mg/L							Date Analyzed
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	92.5	90	110	02/22/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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SW-846 9036 (TOTAL)

Batch R343452		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021582-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		82	40.00	42.90	96.8	90	110	02/22/2024	

Batch R343452		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021582-006AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		20		83	40.00	42.90	99.5	81.61	1.33	02/22/2024		

Batch R343452		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021616-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	24	20.00	8.310	79.8	85	115	02/23/2024	

Batch R343452		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021616-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	S	25	20.00	8.310	81.7	24.27	1.55	02/23/2024		

Batch R343641		SampType: MBLK		Units mg/L							Date Analyzed
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	02/23/2024	

Batch R343641		SampType: LCS		Units mg/L							Date Analyzed
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	93.4	90	110	02/23/2024	

Batch R343641		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-075AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		182	100.0	83.35	98.7	85	115	02/23/2024	

Batch R343641		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24020001-075AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		186	100.0	83.35	103.1	182.0	2.39	02/23/2024		



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Work Order: 24020001

Client Project: COF-24Q1

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SW-846 9036 (TOTAL)

Batch R343641		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021582-011AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		153	100.0	62.64	90.7	90	110	02/23/2024	

Batch R343641		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24021582-011AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		50		154	100.0	62.64	91.2	153.3	0.35	02/23/2024		

Batch R343726		SampType: MBLK		Units mg/L							Date Analyzed
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	02/28/2024	

Batch R343726		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-219224											
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	02/28/2024	

Batch R343726		SampType: LCS		Units mg/L							Date Analyzed
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	90.6	90	110	02/28/2024	

Batch R343726		SampType: MS		Units mg/L							Date Analyzed
SampID: 24010117-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	38	20.00	22.97	73.0	85	115	02/28/2024	

Batch R343726		SampType: MSD		Units mg/L							RPD Limit: 10	Date Analyzed
SampID: 24010117-010AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Sulfate		10	S	38	20.00	22.97	73.3	37.58	0.13	02/28/2024		

Batch R343726		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021733-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	42	20.00	24.97	83.2	90	110	02/28/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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Batch R343726		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24021733-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10	S	42	20.00	24.97	85.3	41.60	1.03	02/28/2024	

Batch R343726		SampType: MS		Units mg/L							
SampID: 24021928-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		500	S	1640	1000	890.9	74.6	90	110	02/28/2024	

Batch R343726		SampType: MSD		Units mg/L				RPD Limit: 10			
SampID: 24021928-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		500	S	1650	1000	890.9	75.8	1637	0.74	02/28/2024	

SW-846 9060A

Batch R343233		SampType: MBLK		Units mg/L							
SampID: Filter Blank											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	02/19/2024	

Batch R343233		SampType: MBLK		Units mg/L							
SampID: MB-R343233											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	02/19/2024	

Batch R343233		SampType: LCS		Units mg/L							
SampID: LCS-R343233											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		5.0	5.000	0	99.8	90	110	02/19/2024	

Batch R343440		SampType: MBLK		Units mg/L							
SampID: Filter Blank											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	02/22/2024	



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 9060A

Batch R343440		SampType: MBLK		Units mg/L							
SampID: MB-R343440											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	02/22/2024	

Batch R343440		SampType: LCS		Units mg/L							
SampID: LCS-R343440											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		5.0	5.000	0	100.0	90	110	02/22/2024	

Batch R343771		SampType: MBLK		Units mg/L							
SampID: Filter Blank											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	02/29/2024	

Batch R343771		SampType: MBLK		Units mg/L							
SampID: MB-R343771											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		< 1.0	0.4500	0	0	-100	100	02/29/2024	

Batch R343771		SampType: LCS		Units mg/L							
SampID: LCS-R343771											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Dissolved Organic Carbon		1.0		5.0	5.000	0	100.2	90	110	02/29/2024	

SW-846 9066 (TOTAL)

Batch R343277		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	02/19/2024	

Batch R343277		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.051	0.0500	0	102.6	90	110	02/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9066 (TOTAL)

Batch R343277		SampType: MS		Units mg/L							Date
SampID: 24021110-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Phenols		0.005	S	0.057	0.0500	0	113.2	90	110		02/19/2024

Batch R343277		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 24021110-001EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Phenols		0.005	S	0.057	0.0500	0	113.8	0.05661	0.55		02/19/2024

Batch R343277		SampType: MS		Units mg/L							Date
SampID: 24021110-003EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Phenols		0.005	S	0.060	0.0500	0	120.9	90	110		02/19/2024

Batch R343277		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 24021110-003EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Phenols		0.005	R	0.049	0.0500	0	98.0	0.06046	20.90		02/19/2024

Batch R343277		SampType: MS		Units mg/L							Date
SampID: 24021110-005EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Phenols		0.005	S	0.062	0.0500	0	124.6	90	110		02/19/2024

Batch R343277		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 24021110-005EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Phenols		0.005		0.054	0.0500	0	108.6	0.06232	13.72		02/19/2024

Batch R343277		SampType: MS		Units mg/L							Date
SampID: 24021188-002EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Phenols		0.005	S	0.057	0.0500	0	114.2	90	110		02/19/2024

Batch R343277		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 24021188-002EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Phenols		0.005	S	0.057	0.0500	0	114.9	0.05712	0.56		02/19/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9066 (TOTAL)

Batch R343277		SampType: MS		Units mg/L							Date
SampID: 24021259-002EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Phenols		0.005		0.081	0.0500	0.02783	107.1	90	110		02/19/2024

Batch R343277		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 24021259-002EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Phenols		0.005	S	0.086	0.0500	0.02783	115.7	0.08139	5.14		02/19/2024

Batch R343277		SampType: MS		Units mg/L							Date
SampID: 24021260-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Phenols		0.005	S	0.006	0.0500	0	11.8	90	110		02/19/2024

Batch R343277		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 24021260-002DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Phenols		0.005	SR	0.008	0.0500	0	15.9	0.005890	29.65		02/19/2024

Batch R343421		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											
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		02/21/2024

Batch R343421		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Phenols		0.005		0.053	0.0500	0	106.6	90	110		02/21/2024

Batch R343421		SampType: MS		Units mg/L							Date
SampID: 24021285-015FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Phenols		0.005		0.060	0.0500	0.003640	112.1	85	115		02/21/2024

Batch R343421		SampType: MSD		Units mg/L		RPD Limit: 15					Date
SampID: 24021285-015FMMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Phenols		0.005		0.055	0.0500	0.003640	102.9	0.05968	8.02		02/21/2024



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9066 (TOTAL)

Batch R343421		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021361-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.055	0.0500	0.003300	104.2	90	110	02/21/2024	

Batch R343421		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021361-001GMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phenols		0.005		0.054	0.0500	0.003300	101.6	0.05542	2.41	02/21/2024		

Batch R343517		SampType: MBLK		Units mg/L							Date Analyzed
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	02/23/2024	

Batch R343517		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.050	0.0500	0	100.7	90	110	02/23/2024	

Batch R343517		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021508-001GMS											
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	115.8	90	110	02/23/2024	

Batch R343517		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021508-001GMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phenols		0.005	R	0.049	0.0500	0	97.4	0.05789	17.24	02/23/2024		

Batch R343517		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021515-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.079	0.0500	0.02465	108.1	90	110	02/23/2024	

Batch R343517		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24021515-002BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Phenols		0.005		0.078	0.0500	0.02465	106.3	0.07868	1.10	02/23/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9066 (TOTAL)

Batch R343691		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	02/28/2024	

Batch R343691		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.054	0.0500	0	108.1	90	110	02/28/2024	

Batch R343691		SampType: MS		Units mg/L							
SampID: 24021619-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.055	0.0500	0	110.8	90	110	02/28/2024	

Batch R343691		SampType: MSD		Units mg/L							
SampID: 24021619-001EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005		0.054	0.0500	0	108.1	0.05540	2.50	02/28/2024	

Batch R343691		SampType: MS		Units mg/L							
SampID: 24021928-001GMS											
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	116.7	90	110	02/28/2024	

Batch R343691		SampType: MSD		Units mg/L							
SampID: 24021928-001GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005		0.053	0.0500	0	105.5	0.05833	10.05	02/28/2024	

Batch R343691		SampType: MS		Units mg/L							
SampID: 24021932-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.063	0.0500	0	126.1	85	115	02/28/2024	

Batch R343691		SampType: MSD		Units mg/L							
SampID: 24021932-001EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005	S	0.065	0.0500	0	130.9	0.06303	3.80	02/28/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9214 (DISSOLVED)

Batch R343081		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-033BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.29	2.000	0.3750	96.0	75	125	02/14/2024	

Batch R343081		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-033BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.40	2.000	0.3750	101.1	2.294	4.39	02/14/2024		

Batch R343151		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.36	2.000	0.3120	102.6	75	125	02/15/2024	

Batch R343151		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-007BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.60	2.000	0.3120	114.4	2.363	9.55	02/15/2024		

Batch R343151		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.39	2.000	0.3960	99.5	75	125	02/15/2024	

Batch R343151		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-009BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.41	2.000	0.3960	100.8	2.386	1.08	02/15/2024		

Batch R343192		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-019BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.34	2.000	0.2610	104.0	75	125	02/16/2024	

Batch R343192		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-019BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.38	2.000	0.2610	105.8	2.340	1.53	02/16/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9214 (DISSOLVED)

Batch R343192		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-092BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.37	2.000	0.3420	101.3	75	125	02/16/2024	

Batch R343192		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-092BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.40	2.000	0.3420	103.1	2.368	1.51	02/16/2024		

Batch R343311		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-045BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.31	2.000	0.3100	99.8	75	125	02/20/2024	

Batch R343311		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-045BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.30	2.000	0.3100	99.7	2.307	0.17	02/20/2024		

Batch R343485		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-103IMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.92	2.000	0	96.2	75	125	02/23/2024	

Batch R343485		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-103IMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Fluoride		0.10		2.03	2.000	0	101.7	1.925	5.46	02/23/2024		

SW-846 9214 (TOTAL)

Batch R343081		SampType: MBLK		Units mg/L							Date Analyzed
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	02/14/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343081		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		0.90	1.000	0	90.5	90	110	02/14/2024	

Batch R343081		SampType: MS		Units mg/L							
SampID: 24020001-041AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.35	2.000	0.3030	102.4	75	125	02/14/2024	

Batch R343081		SampType: MSD		Units mg/L							
SampID: 24020001-041AMSD											
										RPD Limit: 15	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.32	2.000	0.3030	100.6	2.350	1.50	02/14/2024	

Batch R343081		SampType: MS		Units mg/L							
SampID: 24020927-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.07	2.000	0.1450	96.4	75	125	02/14/2024	

Batch R343081		SampType: MSD		Units mg/L							
SampID: 24020927-001AMSD											
										RPD Limit: 15	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.19	2.000	0.1450	102.2	2.072	5.54	02/14/2024	

Batch R343151		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	02/15/2024	

Batch R343151		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		0.97	1.000	0	97.4	90	110	02/15/2024	

Batch R343151		SampType: MS		Units mg/L							
SampID: 24020001-008AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.38	2.000	0.4090	98.8	75	125	02/15/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343151		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-008AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.37	2.000	0.4090	98.0	2.384	0.63	02/15/2024	

Batch R343151		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24020001-064AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.50	2.000	0.5240	98.8	75	125	02/15/2024	

Batch R343151		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-064AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.55	2.000	0.5240	101.2	2.501	1.82	02/15/2024	

Batch R343151		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24020001-098AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.35	2.000	0.2840	103.4	75	125	02/15/2024	

Batch R343151		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-098AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.35	2.000	0.2840	103.4	2.353	0.00	02/15/2024	

Batch R343151		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021127-008BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.31	2.000	0.2350	103.6	75	125	02/15/2024	

Batch R343151		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021127-008BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.27	2.000	0.2350	101.8	2.307	1.57	02/15/2024	

Batch R343192		SampType: MBLK		Units mg/L				RPD Limit: 15			
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	02/16/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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SW-846 9214 (TOTAL)

Batch R343192		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		0.96	1.000	0	96.2	90	110	02/16/2024	

Batch R343192		SampType: MS		Units mg/L							
SampID: 24020001-051AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.15	2.000	0.2610	94.5	75	125	02/16/2024	

Batch R343192		SampType: MSD		Units mg/L							
SampID: 24020001-051AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.14	2.000	0.2610	94.1	2.151	0.37	02/16/2024	

Batch R343192		SampType: MS		Units mg/L							
SampID: 24021047-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.41	2.000	0.1890	111.1	75	125	02/16/2024	

Batch R343192		SampType: MSD		Units mg/L							
SampID: 24021047-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.22	2.000	0.1890	101.3	2.411	8.47	02/16/2024	

Batch R343192		SampType: MS		Units mg/L							
SampID: 24021110-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.54	2.000	0.4260	105.8	75	125	02/16/2024	

Batch R343192		SampType: MSD		Units mg/L							
SampID: 24021110-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.50	2.000	0.4260	103.6	2.543	1.83	02/16/2024	

Batch R343192		SampType: MS		Units mg/L							
SampID: 24021116-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.21	2.000	0.2360	98.6	75	125	02/16/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

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Batch R343192		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021116-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.24	2.000	0.2360	100.0	2.209	1.26	02/16/2024	

Batch R343192		SampType: MS		Units mg/L							
SampID: 24021242-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.76	2.000	0.8610	94.8	75	125	02/16/2024	

Batch R343192		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021242-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.78	2.000	0.8610	96.2	2.758	0.94	02/16/2024	

Batch R343237		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	02/19/2024	

Batch R343237		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		1.03	1.000	0	102.6	90	110	02/19/2024	

Batch R343237		SampType: MS		Units mg/L							
SampID: 24020001-039AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.41	2.000	0.3510	102.8	75	125	02/19/2024	

Batch R343237		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-039AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.29	2.000	0.3510	97.0	2.407	4.98	02/19/2024	

Batch R343237		SampType: MS		Units mg/L							
SampID: 24021285-014AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.24	2.000	0.2320	100.4	75	125	02/19/2024	



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Work Order: 24020001

Client Project: COF-24Q1

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Batch R343237		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021285-014AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.28	2.000	0.2320	102.2	2.239	1.64	02/19/2024	

Batch R343237		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021285-022AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.08	2.000	0.2460	91.6	75	125	02/19/2024	

Batch R343237		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021285-022AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.18	2.000	0.2460	96.9	2.078	4.97	02/19/2024	

Batch R343237		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021298-008BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.22	2.000	0.2040	100.9	75	125	02/19/2024	

Batch R343237		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021298-008BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.34	2.000	0.2040	106.6	2.222	5.00	02/19/2024	

Batch R343311		SampType: MBLK		Units mg/L				RPD Limit: 15			
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	02/20/2024	

Batch R343311		SampType: LCS		Units mg/L				RPD Limit: 15			
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		0.92	1.000	0	92.1	90	110	02/20/2024	

Batch R343311		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24020001-045AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.32	2.000	0.3230	100.1	75	125	02/20/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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Batch R343311		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-045AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.30	2.000	0.3230	98.8	2.325	1.17	02/20/2024	

Batch R343311		SampType: MS		Units mg/L							
SampID: 24020001-067AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.03	2.000	0.2020	91.4	75	125	02/20/2024	

Batch R343311		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-067AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.14	2.000	0.2020	97.0	2.029	5.37	02/20/2024	

Batch R343311		SampType: MS		Units mg/L							
SampID: 24020001-101AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.22	2.000	0.2470	98.5	75	125	02/20/2024	

Batch R343311		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-101AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.2470	110.4	2.217	10.15	02/20/2024	

Batch R343485		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	02/23/2024	

Batch R343485		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		0.92	1.000	0	92.3	90	110	02/23/2024	

Batch R343485		SampType: MS		Units mg/L							
SampID: 24010117-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.37	2.000	0.3740	99.7	75	125	02/23/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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Batch R343485		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24010117-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.41	2.000	0.3740	101.8	2.368	1.76	02/23/2024	

Batch R343485		SampType: MS		Units mg/L							
SampID: 24010117-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.37	2.000	0.3730	99.8	75	125	02/23/2024	

Batch R343485		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24010117-007AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.26	2.000	0.3730	94.2	2.370	4.84	02/23/2024	

Batch R343485		SampType: MS		Units mg/L							
SampID: 24020001-049AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.48	2.000	0.3620	106.0	75	125	02/23/2024	

Batch R343485		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-049AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.45	2.000	0.3620	104.6	2.482	1.18	02/23/2024	

Batch R343485		SampType: MS		Units mg/L							
SampID: 24020001-074AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.36	2.000	0.2760	104.1	75	125	02/23/2024	

Batch R343485		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-074AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.24	2.000	0.2760	98.3	2.358	5.04	02/23/2024	

Batch R343485		SampType: MS		Units mg/L							
SampID: 24020001-082AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.17	2.000	1.149	101.0	75	125	02/23/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9214 (TOTAL)

Batch R343485		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-082AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		3.19	2.000	1.149	102.1	3.169	0.69	02/23/2024	

Batch R343485		SampType: MS		Units mg/L							
SampID: 24020001-103AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.86	2.000	0	93.2	75	125	02/23/2024	

Batch R343485		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-103AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		2.00	2.000	0	99.9	1.864	6.94	02/23/2024	

Batch R344130		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	03/08/2024	

Batch R344130		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		0.97	1.000	0	96.9	90	110	03/08/2024	

Batch R344130		SampType: MS		Units mg/L							
SampID: 24030573-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		5.10	2.000	2.995	105.1	75	125	03/08/2024	

Batch R344130		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24030573-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Fluoride		0.10		5.19	2.000	2.995	109.8	5.097	1.85	03/08/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9251 (DISSOLVED)

Batch R343080		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-031BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		71	40.00	35.74	89.0	85	115	02/14/2024	

Batch R343080		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-031BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		8		72	40.00	35.74	89.8	71.35	0.43	02/14/2024		

Batch R343325		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.760	94.2	85	115	02/20/2024	

Batch R343325		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020001-025BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		24	20.00	4.760	94.2	23.59	0.04	02/20/2024		

Batch R343454		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020901-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		48	20.00	30.30	88.6	85	115	02/22/2024	

Batch R343454		SampType: MSD		Units mg/L							RPD Limit: 15	Date Analyzed
SampID: 24020901-004BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Chloride		4		47	20.00	30.30	85.9	48.01	1.11	02/22/2024		

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Batch R343080		SampType: MBLK		Units mg/L							Date Analyzed
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	02/14/2024	



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SW-846 9251 (TOTAL)

Batch R343080		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	102.6	90	110	02/14/2024	

Batch R343080		SampType: MS		Units mg/L							
SampID: 24020907-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.010	98.2	85	115	02/14/2024	

Batch R343080		SampType: MSD		Units mg/L							
SampID: 24020907-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		24	20.00	4.010	98.2	23.64	0.00	02/14/2024	

Batch R343080		SampType: MS		Units mg/L							
SampID: 24020936-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		200		1590	1000	661.3	92.4	85	115	02/14/2024	

Batch R343080		SampType: MSD		Units mg/L							
SampID: 24020936-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		200		1590	1000	661.3	92.4	1586	0.04	02/14/2024	

Batch R343144		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	02/15/2024	

Batch R343144		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	101.0	90	110	02/15/2024	

Batch R343144		SampType: MS		Units mg/L							
SampID: 24020001-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	56	20.00	38.63	88.4	85	115	02/15/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343144		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-007AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4	E	57	20.00	38.63	91.4	56.31	1.06	02/15/2024	

Batch R343144		SampType: MS		Units mg/L							
SampID: 24020991-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		80		538	400.0	173.7	91.0	85	115	02/15/2024	

Batch R343144		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020991-010BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		80		539	400.0	173.7	91.3	537.8	0.20	02/15/2024	

Batch R343144		SampType: MS		Units mg/L							
SampID: 24021083-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		65	40.00	29.17	90.1	85	115	02/15/2024	

Batch R343144		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021083-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		8		65	40.00	29.17	90.1	65.20	0.02	02/15/2024	

Batch R343214		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	02/16/2024	

Batch R343214		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	101.5	90	110	02/16/2024	

Batch R343214		SampType: MS		Units mg/L							
SampID: 24021085-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		294	200.0	113.3	90.3	85	115	02/16/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343214		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021085-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		40		291	200.0	113.3	88.6	293.9	1.14	02/16/2024	

Batch R343214		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021127-007BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.240	97.1	85	115	02/16/2024	

Batch R343214		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021127-007BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		24	20.00	4.240	98.4	23.66	1.09	02/16/2024	

Batch R343214		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021127-009BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.000	99.0	85	115	02/16/2024	

Batch R343214		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021127-009BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		24	20.00	4.000	102.4	23.79	2.86	02/16/2024	

Batch R343214		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021140-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		341	200.0	159.1	91.0	85	115	02/16/2024	

Batch R343214		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021140-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		40		348	200.0	159.1	94.7	341.1	2.15	02/16/2024	

Batch R343214		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021219-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		352	200.0	172.4	89.7	85	115	02/16/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343214		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24021219-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		40		350	200.0	172.4	88.8	351.7	0.51	02/16/2024	

Batch R343256		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	02/19/2024	

Batch R343256		SampType: LCS		Units mg/L							Date Analyzed
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		21	20.00	0	104.6	90	110	02/19/2024	

Batch R343256		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021230-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		28	20.00	8.850	96.3	85	115	02/19/2024	

Batch R343256		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24021230-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4		28	20.00	8.850	97.1	28.11	0.57	02/19/2024	

Batch R343256		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021298-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		26	20.00	6.610	95.3	85	115	02/20/2024	

Batch R343256		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24021298-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4		26	20.00	6.610	96.1	25.67	0.62	02/20/2024	

Batch R343325		SampType: MBLK		Units mg/L							Date Analyzed
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	02/20/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343325		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	106.5	90	110	02/20/2024	

Batch R343325		SampType: MS		Units mg/L							
SampID: 24020001-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	5.410	91.8	85	115	02/20/2024	

Batch R343325		SampType: MSD		Units mg/L							
SampID: 24020001-025AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		24	20.00	5.410	92.2	23.76	0.34	02/20/2024	

Batch R343325		SampType: MS		Units mg/L							
SampID: 24020001-094AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		26	20.00	7.500	93.3	85	115	02/20/2024	

Batch R343325		SampType: MSD		Units mg/L							
SampID: 24020001-094AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		26	20.00	7.500	91.8	26.16	1.19	02/20/2024	

Batch R343325		SampType: MS		Units mg/L							
SampID: 24021285-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		250	200.0	63.08	93.5	85	115	02/20/2024	

Batch R343325		SampType: MSD		Units mg/L							
SampID: 24021285-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		40		254	200.0	63.08	95.4	250.0	1.53	02/20/2024	

Batch R343325		SampType: MS		Units mg/L							
SampID: 24021285-016BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		26	20.00	6.910	96.9	85	115	02/20/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343325		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021285-016BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		26	20.00	6.910	95.6	26.29	1.03	02/20/2024	

Batch R343325		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021285-020BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		40	20.00	22.31	89.0	85	115	02/20/2024	

Batch R343325		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021285-020BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		40	20.00	22.31	87.4	40.10	0.78	02/20/2024	

Batch R343402		SampType: MBLK		Units mg/L				RPD Limit: 15			
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	02/21/2024	

Batch R343402		SampType: LCS		Units mg/L				RPD Limit: 15			
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	98.2	90	110	02/21/2024	

Batch R343454		SampType: MBLK		Units mg/L				RPD Limit: 15			
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	02/22/2024	

Batch R343454		SampType: LCS		Units mg/L				RPD Limit: 15			
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	97.2	90	110	02/22/2024	

Batch R343454		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24020001-075AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		25	20.00	6.640	92.2	85	115	02/22/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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SW-846 9251 (TOTAL)

Batch R343454		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24020001-075AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		25	20.00	6.640	92.6	25.07	0.32	02/22/2024	

Batch R343454		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021615-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		32	20.00	14.19	88.8	85	115	02/22/2024	

Batch R343454		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021615-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		32	20.00	14.19	89.0	31.94	0.13	02/22/2024	

Batch R343454		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021616-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		28	20.00	10.44	89.7	85	115	02/23/2024	

Batch R343454		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021616-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		28	20.00	10.44	89.8	28.38	0.04	02/23/2024	

Batch R343643		SampType: MBLK		Units mg/L				RPD Limit: 15			
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	02/23/2024	

Batch R343643		SampType: LCS		Units mg/L				RPD Limit: 15			
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	98.4	90	110	02/23/2024	

Batch R343643		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021615-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		145	100.0	43.79	100.8	85	115	02/23/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343643		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24021615-004AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		20		137	100.0	43.79	93.2	144.6	5.40	02/23/2024	

Batch R343732		SampType: MBLK		Units mg/L			RPD Limit: 15				Date Analyzed
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	02/28/2024	

Batch R343732		SampType: LCS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	100.0	90	110	02/28/2024	

Batch R343732		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24010117-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		42	20.00	24.84	85.0	85	115	02/28/2024	

Batch R343732		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24010117-010AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		42	20.00	24.84	85.5	41.84	0.24	02/28/2024	

Batch R343732		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24021482-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		297	200.0	117.1	89.8	85	115	02/28/2024	

Batch R343732		SampType: MSD		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24021482-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		40		291	200.0	117.1	87.0	296.7	1.90	02/28/2024	

Batch R343732		SampType: MS		Units mg/L			RPD Limit: 15				Date Analyzed
SampID: 24021484-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	55	20.00	37.53	88.0	85	115	02/28/2024	



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Client: Ramboll

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Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 9251 (TOTAL)

Batch R343732		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021484-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4	E	56	20.00	37.53	91.9	55.14	1.39	02/28/2024	

Batch R343732		SampType: MS		Units mg/L				RPD Limit: 15			
SampID: 24021733-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		39	20.00	21.72	86.2	85	115	02/28/2024	

Batch R343732		SampType: MSD		Units mg/L				RPD Limit: 15			
SampID: 24021733-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		39	20.00	21.72	85.8	38.95	0.15	02/28/2024	

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218757		SampType: MS		Units mg/L				RPD Limit: 20			
SampID: 24020991-002FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0250		0.927	1.000	0	92.7	75	125	02/16/2024	
Barium		0.0025		3.55	4.000	0.1587	84.8	75	125	02/16/2024	
Cadmium		0.0020		0.0872	0.1000	0	87.2	75	125	02/16/2024	
Chromium		0.0050		0.349	0.4000	0	87.2	75	125	02/16/2024	
Lead		0.0150		0.867	1.000	0	86.7	75	125	02/16/2024	
Selenium		0.0400		0.862	1.000	0	86.2	75	125	02/16/2024	
Silver		0.0070		0.0861	0.1000	0	86.1	75	125	02/16/2024	

Batch 218757		SampType: MSD		Units mg/L				RPD Limit: 20			
SampID: 24020991-002FMSSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic		0.0250		0.928	1.000	0	92.8	0.9269	0.09	02/16/2024	
Barium		0.0025		3.60	4.000	0.1587	86.0	3.550	1.40	02/16/2024	
Cadmium		0.0020		0.0881	0.1000	0	88.1	0.08720	1.03	02/16/2024	
Chromium		0.0050		0.350	0.4000	0	87.5	0.3490	0.31	02/16/2024	
Lead		0.0150		0.870	1.000	0	87.0	0.8666	0.33	02/16/2024	
Selenium		0.0400		0.868	1.000	0	86.8	0.8615	0.76	02/16/2024	
Silver		0.0070		0.0865	0.1000	0	86.5	0.08610	0.46	02/16/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218757 SampType: MS Units mg/L

SampID: 24020991-010DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		0.500	0.5000	0	99.9	75	125	02/16/2024
Barium		0.0025		1.96	2.000	0.1497	90.5	75	125	02/16/2024
Cadmium		0.0020		0.0455	0.0500	0	91.0	75	125	02/16/2024
Chromium		0.0050		0.182	0.2000	0	91.2	75	125	02/16/2024
Lead		0.0150		0.457	0.5000	0	91.4	75	125	02/16/2024
Selenium		0.0400		0.458	0.5000	0	91.7	75	125	02/16/2024
Silver		0.0070		0.0460	0.0500	0	92.0	75	125	02/16/2024

Batch 218757 SampType: MSD Units mg/L

RPD Limit: 20

SampID: 24020991-010DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		0.504	0.5000	0	100.7	0.4997	0.80	02/16/2024
Barium		0.0025		1.96	2.000	0.1497	90.5	1.960	0.00	02/16/2024
Cadmium		0.0020		0.0455	0.0500	0	91.0	0.04550	0.00	02/16/2024
Chromium		0.0050		0.184	0.2000	0	91.9	0.1825	0.71	02/16/2024
Lead		0.0150		0.459	0.5000	0	91.8	0.4568	0.46	02/16/2024
Selenium		0.0400		0.466	0.5000	0	93.2	0.4583	1.64	02/16/2024
Silver		0.0070		0.0460	0.0500	0	92.0	0.04600	0.00	02/16/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218758 SampType: MBLK Units mg/L

SampID: MBLK-218758

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	02/16/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	02/16/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	02/16/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	02/16/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	02/16/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	02/16/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	02/16/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/16/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	02/16/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	02/16/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	02/16/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	02/16/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	02/19/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/16/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	02/16/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	02/16/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	02/16/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/16/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	02/16/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	02/16/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/16/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	02/16/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	02/16/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	02/16/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218758 SampType: LCS Units mg/L

SampID: LCS-218758

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.76	2.000	0	87.9	85	115	02/16/2024
Antimony		0.0500		0.452	0.5000	0	90.5	85	115	02/16/2024
Arsenic		0.0250		0.472	0.5000	0	94.3	85	115	02/16/2024
Barium		0.0025		1.82	2.000	0	90.9	85	115	02/16/2024
Beryllium		0.0005		0.0465	0.0500	0	93.0	85	115	02/16/2024
Boron		0.0200		0.449	0.5000	0	89.7	85	115	02/16/2024
Cadmium		0.0020		0.0467	0.0500	0	93.4	85	115	02/16/2024
Calcium		0.100		2.32	2.500	0	92.7	85	115	02/16/2024
Chromium		0.0050		0.180	0.2000	0	89.9	85	115	02/16/2024
Cobalt		0.0050		0.444	0.5000	0	88.8	85	115	02/16/2024
Copper		0.0050		0.230	0.2500	0	92.2	85	115	02/16/2024
Iron		0.0400		1.81	2.000	0	90.6	85	115	02/16/2024
Lead		0.0150		0.450	0.5000	0	90.0	85	115	02/16/2024
Magnesium		0.0500		2.14	2.500	0	85.8	85	115	02/16/2024
Manganese		0.0070		0.450	0.5000	0	90.1	85	115	02/16/2024
Molybdenum		0.0100		0.435	0.5000	0	87.0	85	115	02/16/2024
Nickel		0.0050		0.451	0.5000	0	90.1	85	115	02/16/2024
Potassium		0.100		2.46	2.500	0	98.4	85	115	02/16/2024
Selenium		0.0400		0.450	0.5000	0	90.1	85	115	02/16/2024
Silver		0.0070		0.0458	0.0500	0	91.6	85	115	02/16/2024
Sodium		0.0500		2.29	2.500	0	91.7	85	115	02/16/2024
Thallium		0.0500		0.225	0.2500	0	90.1	85	115	02/16/2024
Vanadium		0.0100		0.447	0.5000	0	89.5	85	115	02/16/2024
Zinc		0.0100		0.453	0.5000	0	90.5	85	115	02/16/2024

Batch 218758 SampType: MS Units mg/L

SampID: 24020991-012DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		0.896	1.000	0	89.6	75	125	02/16/2024
Barium		0.0025		3.55	4.000	0.2069	83.6	75	125	02/16/2024
Cadmium		0.0020		0.0907	0.1000	0.005600	85.1	75	125	02/16/2024
Chromium		0.0050		0.342	0.4000	0	85.4	75	125	02/16/2024
Lead		0.0150		0.842	1.000	0	84.2	75	125	02/16/2024
Selenium		0.0400		0.850	1.000	0	85.0	75	125	02/16/2024
Silver		0.0070		0.0854	0.1000	0	85.4	75	125	02/16/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218758		SampType: MSD		Units mg/L				RPD Limit: 20			
SampID: 24020991-012DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic		0.0250		0.929	1.000	0	92.9	0.8958	3.62	02/16/2024	
Barium		0.0025		3.67	4.000	0.2069	86.6	3.550	3.32	02/16/2024	
Cadmium		0.0020		0.0935	0.1000	0.005600	87.9	0.09070	3.04	02/16/2024	
Chromium		0.0050		0.354	0.4000	0	88.5	0.3416	3.59	02/16/2024	
Lead		0.0150		0.875	1.000	0	87.5	0.8421	3.79	02/16/2024	
Selenium		0.0400		0.878	1.000	0	87.8	0.8496	3.28	02/16/2024	
Silver		0.0070		0.0883	0.1000	0	88.3	0.08540	3.34	02/16/2024	

Batch 218795		SampType: MBLK		Units mg/L							
SampID: MBLK-218795											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	02/26/2024	
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	02/26/2024	
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	02/26/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	02/26/2024	
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	02/26/2024	
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	02/26/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/26/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/26/2024	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	02/26/2024	
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	02/26/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/26/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218795 SampType: LCS Units mg/L

SampleID: LCS-218795

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		0.503	0.5000	0	100.7	85	115	02/26/2024
Barium		0.0025		1.95	2.000	0	97.5	85	115	02/26/2024
Cadmium		0.0020		0.0445	0.0500	0	89.0	85	115	02/26/2024
Calcium		0.100		2.55	2.500	0	102.1	85	115	02/26/2024
Chromium		0.0050		0.200	0.2000	0	100.0	85	115	02/26/2024
Lead		0.0150		0.489	0.5000	0	97.7	85	115	02/26/2024
Magnesium		0.0500		2.44	2.500	0	97.6	85	115	02/26/2024
Potassium		0.100		2.69	2.500	0	107.5	85	115	02/26/2024
Selenium		0.0400		0.484	0.5000	0	96.9	85	115	02/26/2024
Silver		0.0070		0.0500	0.0500	0	100.0	85	115	02/26/2024
Sodium		0.0500		2.54	2.500	0	101.5	85	115	02/26/2024

Batch 218795 SampType: MS Units mg/L

SampleID: 24021494-003FMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		0.523	0.5000	0.01610	101.5	75	125	02/26/2024
Barium		0.0025		2.18	2.000	0.3081	93.6	75	125	02/26/2024
Cadmium		0.0020		0.0422	0.0500	0	84.4	75	125	02/26/2024
Chromium		0.0050		0.196	0.2000	0	98.1	75	125	02/26/2024
Lead		0.0150		0.470	0.5000	0	94.0	75	125	02/26/2024
Selenium		0.0400		0.495	0.5000	0	98.9	75	125	02/26/2024
Silver		0.0070		0.0517	0.0500	0	103.4	75	125	02/26/2024

Batch 218795 SampType: MSD Units mg/L

RPD Limit: 20

SampleID: 24021494-003FMMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		0.528	0.5000	0.01610	102.3	0.5234	0.80	02/26/2024
Barium		0.0025		2.16	2.000	0.3081	92.6	2.180	0.92	02/26/2024
Cadmium		0.0020		0.0426	0.0500	0	85.2	0.04220	0.94	02/26/2024
Chromium		0.0050		0.197	0.2000	0	98.4	0.1962	0.31	02/26/2024
Lead		0.0150		0.472	0.5000	0	94.5	0.4702	0.45	02/26/2024
Selenium		0.0400		0.505	0.5000	0	101.0	0.4946	2.12	02/26/2024
Silver		0.0070		0.0515	0.0500	0	103.0	0.05170	0.39	02/26/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218861 SampType: MBLK Units mg/L

SampID: MBLK-218861

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	02/19/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/19/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/19/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/19/2024

Batch 218861 SampType: LCS Units mg/L

SampID: LCS-218861

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.35	2.500	0	94.2	85	115	02/19/2024
Magnesium		0.050		2.14	2.500	0	85.7	85	115	02/19/2024
Potassium		0.100		2.42	2.500	0	96.7	85	115	02/19/2024
Sodium		0.050		2.40	2.500	0	96.1	85	115	02/19/2024

Batch 218861 SampType: MS Units mg/L

SampID: 24020001-086DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	68.8	2.500	67.17	66.0	75	125	02/19/2024
Magnesium		0.050		33.0	2.500	31.06	77.8	75	125	02/19/2024
Potassium		0.100		3.07	2.500	0.5319	101.3	75	125	02/19/2024
Sodium		0.050	S	59.3	2.500	58.04	51.2	75	125	02/19/2024

Batch 218861 SampType: MSD Units mg/L

RPD Limit: 20

SampID: 24020001-086DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		69.2	2.500	67.17	79.6	68.82	0.49	02/19/2024
Magnesium		0.050		33.1	2.500	31.06	79.8	33.01	0.15	02/19/2024
Potassium		0.100		3.06	2.500	0.5319	101.3	3.065	0.06	02/19/2024
Sodium		0.050	S	59.5	2.500	58.04	58.4	59.32	0.30	02/19/2024

Batch 218862 SampType: MBLK Units mg/L

SampID: MBLK-218862

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	02/19/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/19/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/19/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218862 SampType: LCS Units mg/L

SampID: LCS-218862

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.42	2.500	0	96.6	85	115	02/19/2024
Magnesium		0.0500		2.24	2.500	0	89.4	85	115	02/19/2024
Potassium		0.100		2.48	2.500	0	99.1	85	115	02/19/2024
Sodium		0.0500		2.44	2.500	0	97.4	85	115	02/19/2024

Batch 218862 SampType: MS Units mg/L

SampID: 24020001-098DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	81.8	2.500	80.48	53.2	75	125	02/19/2024
Magnesium		0.050	S	35.1	2.500	33.51	62.4	75	125	02/19/2024
Potassium		0.100		2.94	2.500	0.4292	100.3	75	125	02/19/2024
Sodium		0.050	S	61.8	2.500	60.92	33.2	75	125	02/19/2024

Batch 218862 SampType: MSD Units mg/L

SampID: 24020001-098DMSD

RPD Limit: 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	81.8	2.500	80.48	54.4	81.81	0.04	02/19/2024
Magnesium		0.050	S	35.2	2.500	33.51	67.6	35.07	0.37	02/19/2024
Potassium		0.100		2.93	2.500	0.4292	100.1	2.938	0.18	02/19/2024
Sodium		0.050	S	61.6	2.500	60.92	27.6	61.75	0.23	02/19/2024

Batch 219032 SampType: MBLK Units mg/L

SampID: MBLK-219032

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	02/22/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/22/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/22/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/22/2024

Batch 219032 SampType: LCS Units mg/L

SampID: LCS-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.44	2.500	0	97.7	85	115	02/22/2024
Magnesium		0.050		2.33	2.500	0	93.1	85	115	02/22/2024
Potassium		0.100		2.57	2.500	0	102.7	85	115	02/22/2024
Sodium		0.050		2.46	2.500	0	98.3	85	115	02/22/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218746		SampType: MBLK		Units mg/L						
SampID: MBLK-218746										
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	02/15/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/15/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/15/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/15/2024

Batch 218746		SampType: LCS		Units mg/L						
SampID: LCS-218746										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.44	2.500	0	97.6	85	115	02/15/2024
Magnesium		0.0500		2.46	2.500	0	98.6	85	115	02/15/2024
Potassium		0.100		2.53	2.500	0	101.3	85	115	02/15/2024
Sodium		0.0500		2.39	2.500	0	95.4	85	115	02/15/2024

Batch 218746		SampType: MS		Units mg/L						
SampID: 24020001-032CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		145	2.500	143.2	90.4	75	125	02/15/2024
Magnesium		0.050		56.2	2.500	53.60	103.3	75	125	02/15/2024
Potassium		0.100		3.14	2.500	0.6563	99.4	75	125	02/15/2024
Sodium		0.050	S	73.5	2.500	71.89	66.0	75	125	02/15/2024

Batch 218746		SampType: MSD		Units mg/L							RPD Limit: 20
SampID: 24020001-032CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	145	2.500	143.2	52.8	145.5	0.65	02/15/2024	
Magnesium		0.050	S	55.3	2.500	53.60	68.4	56.18	1.57	02/15/2024	
Potassium		0.100		3.10	2.500	0.6563	97.9	3.142	1.18	02/15/2024	
Sodium		0.050	S	73.6	2.500	71.89	68.8	73.54	0.10	02/15/2024	

Batch 218807		SampType: MBLK		Units mg/L						
SampID: MBLK-218807										
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	02/16/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/16/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/16/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/16/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218807 SampType: LCS Units mg/L
SampID: LCS-218807

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.38	2.500	0	95.3	85	115	02/16/2024
Magnesium		0.0500		2.29	2.500	0	91.7	85	115	02/16/2024
Potassium		0.100		2.51	2.500	0	100.4	85	115	02/16/2024
Sodium		0.0500		2.34	2.500	0	93.7	85	115	02/16/2024

Batch 218807 SampType: MS Units mg/L
SampID: 24020001-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	83.3	2.500	82.90	16.4	75	125	02/16/2024
Magnesium		0.050	S	37.5	2.500	35.99	60.2	75	125	02/16/2024
Potassium		0.100		3.07	2.500	0.5439	101.1	75	125	02/16/2024
Sodium		0.050	S	62.4	2.500	61.82	22.4	75	125	02/16/2024

Batch 218807 SampType: MSD Units mg/L
SampID: 24020001-005CMSD

RPD Limit: 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	86.2	2.500	82.90	131.2	83.31	3.39	02/16/2024
Magnesium		0.050		39.1	2.500	35.99	123.7	37.49	4.14	02/16/2024
Potassium		0.100		3.13	2.500	0.5439	103.3	3.070	1.80	02/16/2024
Sodium		0.050		64.3	2.500	61.82	99.2	62.38	3.03	02/16/2024

Batch 218807 SampType: MS Units mg/L
SampID: 24020001-060BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	172	2.500	172.4	1.6	75	125	02/16/2024
Magnesium		0.050	S	145	2.500	144.3	39.7	75	125	02/16/2024
Potassium		0.100		4.53	2.500	1.975	102.4	75	125	02/16/2024
Sodium		0.050	S	164	2.500	163.5	23.6	75	125	02/16/2024

Batch 218807 SampType: MSD Units mg/L
SampID: 24020001-060BMSD

RPD Limit: 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	170	2.500	172.4	-92.0	172.4	1.37	02/16/2024
Magnesium		0.050	S	143	2.500	144.3	-70.1	145.3	1.91	02/16/2024
Potassium		0.100		4.45	2.500	1.975	99.0	4.534	1.87	02/16/2024
Sodium		0.050	S	162	2.500	163.5	-54.4	164.1	1.20	02/16/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218847		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-218847											
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	02/19/2024	
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/19/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/19/2024	
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/19/2024	

Batch 218847		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-218847											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.59	2.500	0	103.4	85	115	02/19/2024	
Magnesium		0.050		2.45	2.500	0	98.1	85	115	02/19/2024	
Potassium		0.100		2.78	2.500	0	111.3	85	115	02/19/2024	
Sodium		0.050		2.71	2.500	0	108.2	85	115	02/19/2024	

Batch 218847		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-015CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	99.9	2.500	99.30	23.2	75	125	02/19/2024	
Magnesium		0.050		45.6	2.500	43.53	82.2	75	125	02/19/2024	
Potassium		0.100		3.46	2.500	0.6384	112.7	75	125	02/19/2024	
Sodium		0.050		43.3	2.500	41.19	83.2	75	125	02/19/2024	

Batch 218847		SampType: MSD		Units mg/L							RPD Limit: 20	Date Analyzed
SampID: 24020001-015CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	99.4	2.500	99.30	4.4	99.88	0.47	02/19/2024		
Magnesium		0.050		45.4	2.500	43.53	76.0	45.59	0.34	02/19/2024		
Potassium		0.100		3.44	2.500	0.6384	112.0	3.457	0.57	02/19/2024		
Sodium		0.050	S	42.9	2.500	41.19	66.8	43.27	0.95	02/19/2024		

Batch 218847		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020001-071BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		146	2.500	142.9	110.8	75	125	02/19/2024	
Magnesium		0.050		66.8	2.500	63.69	123.5	75	125	02/19/2024	
Potassium		0.100		3.24	2.500	0.2952	117.8	75	125	02/19/2024	
Sodium		0.050	S	117	2.500	113.4	135.6	75	125	02/19/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218847		SampType: MSD		Units mg/L				RPD Limit: 20			
SampID: 24020001-071BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	149	2.500	142.9	238.0	145.6	2.16	02/19/2024	
Magnesium		0.050	S	68.0	2.500	63.69	172.2	66.77	1.81	02/19/2024	
Potassium		0.100		3.25	2.500	0.2952	118.2	3.241	0.24	02/19/2024	
Sodium		0.050	S	119	2.500	113.4	238.0	116.8	2.17	02/19/2024	

Batch 218873		SampType: MBLK		Units mg/L							
SampID: MBLK-218873											
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	02/20/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/20/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/20/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/20/2024	

Batch 218873		SampType: LCS		Units mg/L							
SampID: LCS-218873											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.57	2.500	0	102.8	85	115	02/20/2024	
Magnesium		0.0500		2.46	2.500	0	98.3	85	115	02/20/2024	
Potassium		0.100		2.57	2.500	0	103.0	85	115	02/20/2024	
Sodium		0.0500		2.52	2.500	0	100.9	85	115	02/20/2024	

Batch 218955		SampType: MBLK		Units mg/L							
SampID: MBLK-218955											
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	02/21/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/21/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/21/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/21/2024	

Batch 218955		SampType: LCS		Units mg/L							
SampID: LCS-218955											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.50	2.500	0	100.1	85	115	02/21/2024	
Magnesium		0.0500		2.34	2.500	0	93.5	85	115	02/21/2024	
Potassium		0.100		2.63	2.500	0	105.0	85	115	02/21/2024	
Sodium		0.0500		2.50	2.500	0	100.1	85	115	02/21/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218955		SampType: MS		Units mg/L						
SampID: 24020001-045CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		170	2.500	167.8	89.6	75	125	02/21/2024
Magnesium		0.050		86.3	2.500	84.20	82.2	75	125	02/21/2024
Potassium		0.100		3.32	2.500	0.7228	104.0	75	125	02/21/2024
Sodium		0.050		101	2.500	98.81	103.2	75	125	02/21/2024

Batch 218955		SampType: MSD		Units mg/L							RPD Limit: 20
SampID: 24020001-045CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	177	2.500	167.8	361.2	170.0	3.92	02/21/2024	
Magnesium		0.050	S	89.3	2.500	84.20	205.7	86.25	3.51	02/21/2024	
Potassium		0.100		3.38	2.500	0.7228	106.1	3.324	1.54	02/21/2024	
Sodium		0.050	S	106	2.500	98.81	273.2	101.4	4.11	02/21/2024	

Batch 218955		SampType: MS		Units mg/L						
SampID: 24020001-100CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	169	2.500	168.2	45.2	75	125	02/21/2024
Magnesium		0.050		87.1	2.500	84.91	86.4	75	125	02/21/2024
Potassium		0.100		3.27	2.500	0.5409	109.0	75	125	02/21/2024
Sodium		0.050		105	2.500	102.5	111.6	75	125	02/21/2024

Batch 218955		SampType: MSD		Units mg/L							RPD Limit: 20
SampID: 24020001-100CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	172	2.500	168.2	142.4	169.3	1.43	02/21/2024	
Magnesium		0.050	S	88.4	2.500	84.91	139.0	87.07	1.50	02/21/2024	
Potassium		0.100		3.26	2.500	0.5409	108.6	3.265	0.25	02/21/2024	
Sodium		0.050	S	106	2.500	102.5	132.8	105.3	0.50	02/21/2024	

Batch 219022		SampType: MBLK		Units mg/L						
SampID: MBLK-219022										
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	02/22/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	02/22/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/22/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	02/22/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219022		SampType: LCS		Units mg/L							
SampID: LCS-219022											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.47	2.500	0	98.6	85	115	02/22/2024	
Magnesium		0.050		2.39	2.500	0	95.6	85	115	02/22/2024	
Potassium		0.100		2.52	2.500	0	100.8	85	115	02/22/2024	
Sodium		0.050		2.44	2.500	0	97.6	85	115	02/22/2024	

Batch 219022		SampType: MS		Units mg/L							
SampID: 24020001-052CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	550	2.500	569.3	-758.4	75	125	02/22/2024	
Magnesium		0.050	S	411	2.500	424.0	-532.9	75	125	02/22/2024	
Potassium		0.100		4.39	2.500	1.673	108.5	75	125	02/22/2024	
Sodium		0.050	S	232	2.500	236.7	-198.8	75	125	02/22/2024	

Batch 219022		SampType: MSD		Units mg/L							
SampID: 24020001-052CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	568	2.500	569.3	-35.2	550.4	3.23	02/22/2024	
Magnesium		0.050	S	429	2.500	424.0	203.9	410.6	4.39	02/22/2024	
Potassium		0.100		4.48	2.500	1.673	112.5	4.385	2.23	02/22/2024	
Sodium		0.050		240	2.500	236.7	122.0	231.7	3.40	02/22/2024	

Batch 219022		SampType: MS		Units mg/L							
SampID: 24020001-079BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	301	2.500	284.7	630.8	75	125	02/22/2024	
Magnesium		0.050	S	201	2.500	189.3	454.5	75	125	02/22/2024	
Potassium		0.100		5.96	2.500	3.082	115.0	75	125	02/22/2024	
Sodium		0.050	S	90.0	2.500	82.97	281.6	75	125	02/22/2024	

Batch 219022		SampType: MSD		Units mg/L							
SampID: 24020001-079BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	302	2.500	284.7	696.0	300.5	0.54	02/22/2024	
Magnesium		0.050	S	202	2.500	189.3	519.7	200.6	0.81	02/22/2024	
Potassium		0.100		5.88	2.500	3.082	111.8	5.955	1.33	02/22/2024	
Sodium		0.050	S	89.1	2.500	82.97	245.6	90.01	1.00	02/22/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219043 SampType: MBLK Units mg/L

SampID: MBLK-219043

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	02/23/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/23/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/23/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/23/2024

Batch 219043 SampType: LCS Units mg/L

SampID: LCS-219043

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.49	2.500	0	99.5	85	115	02/23/2024
Magnesium		0.0500		2.38	2.500	0	95.2	85	115	02/23/2024
Potassium		0.100		2.62	2.500	0	104.6	85	115	02/23/2024
Sodium		0.0500		2.49	2.500	0	99.4	85	115	02/23/2024

Batch 219043 SampType: MS Units mg/L

SampID: 24020001-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.55	2.500	0	102.1	75	125	02/23/2024
Magnesium		0.050		2.48	2.500	0.01490	98.6	75	125	02/23/2024
Potassium		0.100		2.64	2.500	0	105.6	75	125	02/23/2024
Sodium		0.050		2.53	2.500	0.02920	100.1	75	125	02/23/2024

Batch 219043 SampType: MSD Units mg/L

RPD Limit: 20

SampID: 24020001-097CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		2.43	2.500	0	97.3	2.552	4.83	02/23/2024
Magnesium		0.050		2.35	2.500	0.01490	93.5	2.480	5.27	02/23/2024
Potassium		0.100		2.54	2.500	0	101.6	2.641	3.91	02/23/2024
Sodium		0.050		2.43	2.500	0.02920	95.9	2.532	4.23	02/23/2024

Batch 219043 SampType: MS Units mg/L

SampID: 24020001-099CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	91.2	2.500	86.93	168.8	75	125	02/23/2024
Magnesium		0.050		41.6	2.500	38.80	113.4	75	125	02/23/2024
Potassium		0.100		3.40	2.500	0.7239	107.2	75	125	02/23/2024
Sodium		0.050	S	59.5	2.500	56.20	131.6	75	125	02/23/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219043		SampType: MSD		Units mg/L				RPD Limit: 20			
SampID: 24020001-099CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	88.4	2.500	86.93	60.8	91.15	3.01	02/23/2024	
Magnesium		0.050	S	40.3	2.500	38.80	58.1	41.64	3.38	02/23/2024	
Potassium		0.100		3.29	2.500	0.7239	102.6	3.403	3.45	02/23/2024	
Sodium		0.050	S	58.0	2.500	56.20	71.6	59.49	2.55	02/23/2024	

Batch 219088		SampType: MBLK		Units mg/L							
SampID: MBLK-219088											
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	02/23/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/23/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/23/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/23/2024	

Batch 219088		SampType: LCS		Units mg/L							
SampID: LCS-219088											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.47	2.500	0	98.8	85	115	02/23/2024	
Magnesium		0.0500		2.38	2.500	0	95.2	85	115	02/23/2024	
Potassium		0.100		2.61	2.500	0	104.3	85	115	02/23/2024	
Sodium		0.0500		2.48	2.500	0	99.1	85	115	02/23/2024	

Batch 219088		SampType: MS		Units mg/L							
SampID: 24020001-103CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.81	2.500	0.1475	106.4	75	125	02/27/2024	
Magnesium		0.050		2.61	2.500	0.03610	102.9	75	125	02/27/2024	
Potassium		0.100		2.72	2.500	0	108.6	75	125	02/27/2024	
Sodium		0.050		2.65	2.500	0.03790	104.5	75	125	02/27/2024	

Batch 219088		SampType: MSD		Units mg/L				RPD Limit: 20			
SampID: 24020001-103CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100		2.75	2.500	0.1475	103.9	2.807	2.21	02/27/2024	
Magnesium		0.050		2.57	2.500	0.03610	101.4	2.608	1.39	02/27/2024	
Potassium		0.100		2.71	2.500	0	108.3	2.716	0.33	02/27/2024	
Sodium		0.050		2.63	2.500	0.03790	103.7	2.650	0.68	02/27/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219088		SampType: MS		Units mg/L							
SampID: 24021534-003CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100	S	103	2.500	97.35	228.8	75	125	02/23/2024	
Magnesium		0.0500		20.6	2.500	17.98	105.7	75	125	02/23/2024	
Potassium		0.500		13.8	2.500	11.50	93.9	75	125	02/27/2024	
Sodium		0.0500	S	163	2.500	156.6	264.4	75	125	02/23/2024	

Batch 219088		SampType: MSD		Units mg/L							RPD Limit: 20	
SampID: 24021534-003CMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Calcium		0.100	S	103	2.500	97.35	226.8	103.1	0.05	02/23/2024		
Magnesium		0.0500		20.7	2.500	17.98	109.2	20.62	0.43	02/23/2024		
Potassium		0.500		13.8	2.500	11.50	91.6	13.85	0.40	02/27/2024		
Sodium		0.0500	S	162	2.500	156.6	213.6	163.2	0.78	02/23/2024		

Batch 219117		SampType: MBLK		Units mg/L							
SampID: MBLK-219117											
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	02/26/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/26/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/26/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/26/2024	

Batch 219117		SampType: LCS		Units mg/L							
SampID: LCS-219117											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.52	2.500	0	100.6	85	115	02/26/2024	
Magnesium		0.0500		2.40	2.500	0	95.9	85	115	02/26/2024	
Potassium		0.100		2.61	2.500	0	104.2	85	115	02/26/2024	
Sodium		0.0500		2.43	2.500	0	97.1	85	115	02/26/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219145 SampType: MBLK Units mg/L

SampID: MBLK-219145

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	02/28/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	02/28/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	02/28/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	02/28/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	02/28/2024

Batch 219145 SampType: LCS Units mg/L

SampID: LCS-219145

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.54	2.500	0	101.6	85	115	02/28/2024
Iron		0.0400		2.09	2.000	0	104.5	85	115	02/28/2024
Magnesium		0.0500		2.45	2.500	0	98.1	85	115	02/28/2024
Potassium		0.100		2.57	2.500	0	102.7	85	115	02/28/2024
Sodium		0.0500		2.57	2.500	0	102.9	85	115	02/28/2024

Batch 219145 SampType: MS Units mg/L

SampID: 24020001-083BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.500		28.0	2.500	25.70	92.0	75	125	02/29/2024
Magnesium		0.050		2.34	2.500	0	93.5	75	125	02/28/2024
Potassium		10.0	S	270	2.500	265.0	190.4	75	125	02/29/2024
Sodium		5.00	S	3920	2.500	3853	2760	75	125	02/29/2024

Batch 219145 SampType: MSD Units mg/L

SampID: 24020001-083BMSD

RPD Limit: 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.500		28.0	2.500	25.70	90.0	28.00	0.18	02/29/2024
Magnesium		0.050		2.38	2.500	0	95.2	2.337	1.82	02/28/2024
Potassium		10.0	S	269	2.500	265.0	171.6	269.8	0.17	02/29/2024
Sodium		5.00	S	3910	2.500	3853	2400	3922	0.23	02/29/2024

Batch 219145 SampType: MS Units mg/L

SampID: 24021616-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		2.55	2.000	0.4931	102.8	75	125	02/28/2024
Sodium		0.0500	S	16.8	2.500	15.12	65.2	75	125	02/28/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219145		SampType: MSD		Units mg/L			RPD Limit: 20			
SampID: 24021616-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		2.62	2.000	0.4931	106.3	2.550	2.71	02/28/2024
Sodium		0.0500	S	16.8	2.500	15.12	67.6	16.75	0.36	02/28/2024

Batch 219339		SampType: MBLK		Units mg/L						
SampID: MBLK-219339										
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	03/01/2024
Magnesium		0.0500		< 0.0500	0.0070	0	0	-100	100	03/01/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	03/01/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	03/01/2024

Batch 219339		SampType: LCS		Units mg/L						
SampID: LCS-219339										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.46	2.500	0	98.3	85	115	03/01/2024
Magnesium		0.0500		2.39	2.500	0	95.6	85	115	03/01/2024
Potassium		0.100		2.61	2.500	0	104.5	85	115	03/01/2024
Sodium		0.0500		2.52	2.500	0	100.7	85	115	03/01/2024

Batch 219339		SampType: MS		Units mg/L						
SampID: 24021482-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		179	2.500	176.5	107.6	75	125	03/01/2024
Magnesium		0.050		55.4	2.500	53.19	86.6	75	125	03/01/2024
Potassium		0.100		5.17	2.500	2.583	103.4	75	125	03/01/2024
Sodium		0.050		40.0	2.500	37.82	86.8	75	125	03/01/2024

Batch 219339		SampType: MSD		Units mg/L			RPD Limit: 20			
SampID: 24021482-005BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	174	2.500	176.5	-100.8	179.2	2.95	03/01/2024
Magnesium		0.050	S	54.1	2.500	53.19	35.8	55.36	2.32	03/01/2024
Potassium		0.100		5.05	2.500	2.583	98.6	5.167	2.33	03/01/2024
Sodium		0.050	S	38.9	2.500	37.82	43.2	39.99	2.76	03/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218757 SampType: MBLK Units µg/L

SampleID: MBLK-218757

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	02/20/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/17/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/17/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/20/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/17/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/19/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/17/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/19/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/17/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/19/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/17/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/20/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/17/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/17/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/20/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/17/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/17/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/17/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/17/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218757 SampType: LCS Units µg/L

SampleID: LCS-218757

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1810	2000	0	90.6	80	120	02/21/2024
Antimony		1.0		449	500.0	0	89.8	80	120	02/17/2024
Arsenic		1.0		474	500.0	0	94.8	80	120	02/17/2024
Barium		1.0		1970	2000	0	98.5	80	120	02/21/2024
Beryllium		1.0		46.5	50.00	0	93.1	80	120	02/17/2024
Boron		25.0		470	500.0	0	94.0	80	120	02/19/2024
Cadmium		1.0		44.5	50.00	0	89.0	80	120	02/17/2024
Chromium		1.5		186	200.0	0	92.9	80	120	02/19/2024
Cobalt		1.0		445	500.0	0	88.9	80	120	02/17/2024
Copper		1.0		229	250.0	0	91.7	80	120	02/19/2024
Iron		25.0		1870	2000	0	93.7	80	120	02/19/2024
Lead		1.0		473	500.0	0	94.6	80	120	02/20/2024
Manganese		2.0		486	500.0	0	97.2	80	120	02/19/2024
Molybdenum		1.5		454	500.0	0	90.7	80	120	02/19/2024
Nickel		1.0		499	500.0	0	99.8	80	120	02/21/2024
Selenium		1.0		445	500.0	0	89.1	80	120	02/17/2024
Silver		1.0		44.9	50.00	0	89.8	80	120	02/17/2024
Thallium		2.0		231	250.0	0	92.3	80	120	02/17/2024
Vanadium		5.0		466	500.0	0	93.2	80	120	02/19/2024
Zinc		15.0		499	500.0	0	99.8	80	120	02/21/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218758 SampType: MBLK Units µg/L

SampleID: MBLK-218758

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	02/20/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/17/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/17/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/20/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/17/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/19/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/17/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/17/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/17/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/19/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/17/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/20/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/17/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/17/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/21/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/17/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/17/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/17/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/17/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/19/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218758 SampType: LCS Units µg/L

SampleID: LCS-218758

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2060	2000	0	103.2	80	120	02/21/2024
Antimony		1.0		451	500.0	0	90.1	80	120	02/17/2024
Arsenic		1.0		485	500.0	0	96.9	80	120	02/17/2024
Barium		1.0		1990	2000	0	99.5	80	120	02/21/2024
Beryllium		1.0		48.1	50.00	0	96.1	80	120	02/17/2024
Boron		25.0		484	500.0	0	96.8	80	120	02/19/2024
Cadmium		1.0		45.3	50.00	0	90.6	80	120	02/17/2024
Chromium		1.5		187	200.0	0	93.5	80	120	02/19/2024
Cobalt		1.0		449	500.0	0	89.7	80	120	02/17/2024
Copper		1.0		234	250.0	0	93.4	80	120	02/19/2024
Iron		25.0		1870	2000	0	93.7	80	120	02/19/2024
Lead		1.0		482	500.0	0	96.3	80	120	02/20/2024
Manganese		2.0		493	500.0	0	98.6	80	120	02/19/2024
Molybdenum		1.5		427	500.0	0	85.5	80	120	02/19/2024
Nickel		1.0		500	500.0	0	100.0	80	120	02/21/2024
Selenium		1.0		444	500.0	0	88.8	80	120	02/17/2024
Silver		1.0		42.9	50.00	0	85.7	80	120	02/17/2024
Thallium		2.0		241	250.0	0	96.3	80	120	02/17/2024
Vanadium		5.0		463	500.0	0	92.6	80	120	02/19/2024
Zinc		15.0		489	500.0	0	97.8	80	120	02/21/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218795 SampType: MBLK Units µg/L

SampleID: MBLK-218795

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	02/28/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/28/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/28/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/28/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/28/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/28/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/28/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/28/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/28/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/28/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/28/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/28/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/28/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/28/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/28/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/28/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/28/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/28/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/28/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/28/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218795 SampType: LCS Units µg/L

SampleID: LCS-218795

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1680	2000	0	84.2	80	120	02/28/2024
Antimony		1.0		418	500.0	0	83.6	80	120	02/28/2024
Arsenic		1.0		487	500.0	0	97.4	80	120	02/28/2024
Barium		1.0		1970	2000	0	98.5	80	120	02/28/2024
Beryllium		1.0		46.0	50.00	0	92.1	80	120	02/28/2024
Boron		25.0		447	500.0	0	89.4	80	120	02/28/2024
Cadmium		1.0		45.4	50.00	0	90.8	80	120	02/28/2024
Chromium		1.5		179	200.0	0	89.3	80	120	02/28/2024
Cobalt		1.0		470	500.0	0	94.0	80	120	02/28/2024
Copper		1.0		239	250.0	0	95.6	80	120	02/28/2024
Iron		25.0		1780	2000	0	89.1	80	120	02/28/2024
Lead		1.0		453	500.0	0	90.6	80	120	02/28/2024
Manganese		2.0		464	500.0	0	92.8	80	120	02/28/2024
Molybdenum		1.5		439	500.0	0	87.7	80	120	02/28/2024
Nickel		1.0		462	500.0	0	92.5	80	120	02/28/2024
Selenium		1.0		472	500.0	0	94.4	80	120	02/28/2024
Silver		1.0		45.4	50.00	0	90.7	80	120	02/28/2024
Thallium		2.0		217	250.0	0	86.9	80	120	02/28/2024
Vanadium		5.0		452	500.0	0	90.4	80	120	02/28/2024
Zinc		15.0		431	500.0	0	86.2	80	120	02/28/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218861 SampType: MBLK Units µg/L

SampID: MBLK-218861

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	02/22/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/22/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/22/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/22/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/22/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/22/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/22/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/22/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/22/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/22/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/22/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/22/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/22/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/22/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/22/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/22/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/22/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/22/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/22/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218861 SampType: LCS Units µg/L

SampID: LCS-218861

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1770	2000	0	88.4	80	120	02/23/2024
Antimony		1.0		467	500.0	0	93.4	80	120	02/22/2024
Arsenic		1.0		503	500.0	0	100.7	80	120	02/22/2024
Barium		1.0		1940	2000	0	96.9	80	120	02/22/2024
Beryllium		1.0		47.3	50.00	0	94.6	80	120	02/22/2024
Boron		25.0		485	500.0	0	97.0	80	120	02/23/2024
Cadmium		1.0		48.1	50.00	0	96.3	80	120	02/22/2024
Chromium		1.5		183	200.0	0	91.5	80	120	02/23/2024
Cobalt		1.0		469	500.0	0	93.7	80	120	02/22/2024
Copper		1.0		247	250.0	0	98.7	80	120	02/22/2024
Iron		25.0		1810	2000	0	90.3	80	120	02/22/2024
Lead		1.0		472	500.0	0	94.3	80	120	02/22/2024
Manganese		2.0		474	500.0	0	94.8	80	120	02/22/2024
Molybdenum		1.5		445	500.0	0	89.0	80	120	02/22/2024
Nickel		1.0		467	500.0	0	93.3	80	120	02/23/2024
Selenium		1.0		470	500.0	0	94.0	80	120	02/23/2024
Selenium		1.0		500	500.0	0	100.0	80	120	02/22/2024
Silver		1.0		49.6	50.00	0	99.2	80	120	02/22/2024
Silver		1.0		48.2	50.00	0	96.5	80	120	02/22/2024
Thallium		2.0		235	250.0	0	93.8	80	120	02/22/2024
Vanadium		5.0		470	500.0	0	93.9	80	120	02/22/2024
Zinc		15.0		491	500.0	0	98.3	80	120	02/22/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218861 SampType: MS

Units µg/L

SampleID: 24020001-026CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		505	500.0	0	101.0	75	125	02/23/2024
Arsenic		1.0		518	500.0	0	103.6	75	125	02/23/2024
Barium		1.0		2120	2000	40.76	104.1	75	125	02/23/2024
Beryllium		1.0		48.5	50.00	0	97.1	75	125	02/23/2024
Boron		25.0		505	500.0	47.07	91.6	75	125	02/23/2024
Cadmium		1.0		47.8	50.00	0	95.5	75	125	02/23/2024
Chromium		1.5		186	200.0	1.218	92.6	75	125	02/23/2024
Cobalt		1.0		454	500.0	0.1801	90.8	75	125	02/23/2024
Copper		1.0		234	250.0	3.274	92.2	75	125	02/23/2024
Iron		25.0		1870	2000	22.86	92.4	75	125	02/23/2024
Lead		1.0		469	500.0	0	93.8	75	125	02/23/2024
Manganese		2.0		505	500.0	29.15	95.1	75	125	02/23/2024
Nickel		1.0		449	500.0	3.040	89.1	75	125	02/23/2024
Selenium		1.0		498	500.0	1.632	99.2	75	125	02/23/2024
Silver		1.0		47.3	50.00	0	94.7	75	125	02/23/2024
Thallium		2.0		220	250.0	0	88.1	75	125	02/23/2024
Vanadium		5.0		475	500.0	0	95.1	75	125	02/23/2024
Zinc		15.0		468	500.0	7.134	92.2	75	125	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	SampType	MSD	Units µg/L							RPD Limit: 20	Date Analyzed
SampleID: 24020001-026CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		1.0		514	500.0	0	102.8	504.8	1.81	02/23/2024	
Arsenic		1.0		523	500.0	0	104.6	518.0	0.97	02/23/2024	
Barium		1.0		2130	2000	40.76	104.5	2123	0.36	02/23/2024	
Beryllium		1.0		47.6	50.00	0	95.1	48.54	2.04	02/23/2024	
Boron		25.0		500	500.0	47.07	90.5	505.1	1.11	02/23/2024	
Cadmium		1.0		49.1	50.00	0	98.2	47.76	2.78	02/23/2024	
Chromium		1.5		183	200.0	1.218	90.7	186.5	2.10	02/23/2024	
Cobalt		1.0		465	500.0	0.1801	93.0	454.3	2.39	02/23/2024	
Copper		1.0		231	250.0	3.274	90.9	233.7	1.31	02/23/2024	
Iron		25.0		1870	2000	22.86	92.2	1870	0.19	02/23/2024	
Lead		1.0		475	500.0	0	95.1	468.8	1.41	02/23/2024	
Manganese		2.0		492	500.0	29.15	92.5	504.9	2.67	02/23/2024	
Nickel		1.0		447	500.0	3.040	88.7	448.6	0.41	02/23/2024	
Selenium		1.0		495	500.0	1.632	98.8	497.7	0.46	02/23/2024	
Silver		1.0		48.2	50.00	0	96.4	47.34	1.81	02/23/2024	
Thallium		2.0		224	250.0	0	89.5	220.3	1.56	02/23/2024	
Vanadium		5.0		466	500.0	0	93.3	475.4	1.91	02/23/2024	
Zinc		15.0		476	500.0	7.134	93.8	468.0	1.78	02/23/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218861 SampType: MS

Units µg/L

SampleID: 24020001-086DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1790	2000	0	89.7	75	125	02/23/2024
Antimony		1.0		485	500.0	0	97.0	75	125	02/23/2024
Arsenic		1.0		500	500.0	0	100.0	75	125	02/23/2024
Barium		1.0		1970	2000	52.18	96.0	75	125	02/23/2024
Beryllium		1.0		46.7	50.00	0	93.4	75	125	02/23/2024
Boron		25.0		464	500.0	10.79	90.7	75	125	02/23/2024
Cadmium		1.0		46.4	50.00	0	92.9	75	125	02/23/2024
Chromium		1.5		205	200.0	1.709	101.7	75	125	02/26/2024
Cobalt		1.0		437	500.0	0	87.3	75	125	02/23/2024
Copper		1.0		226	250.0	0.5883	90.3	75	125	02/23/2024
Iron		25.0		2190	2000	19.44	108.4	75	125	02/26/2024
Lead		1.0		453	500.0	0	90.5	75	125	02/23/2024
Manganese		2.0		465	500.0	0	93.1	75	125	02/23/2024
Molybdenum		1.5		505	500.0	2.344	100.6	75	125	02/26/2024
Nickel		1.0		447	500.0	0.6930	89.4	75	125	02/23/2024
Selenium		1.0		483	500.0	3.791	95.7	75	125	02/23/2024
Silver		1.0		47.0	50.00	0	94.0	75	125	02/23/2024
Thallium		2.0		216	250.0	0	86.3	75	125	02/23/2024
Vanadium		5.0		455	500.0	0	90.9	75	125	02/23/2024
Zinc		15.0		477	500.0	0	95.5	75	125	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	SampType	MSD	Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 24020001-086DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Aluminum		25.0		1990	2000	0	99.3	1793	10.24	02/23/2024	
Antimony		1.0		498	500.0	0	99.6	484.9	2.64	02/23/2024	
Arsenic		1.0		529	500.0	0	105.9	500.2	5.68	02/23/2024	
Barium		1.0		2020	2000	52.18	98.5	1972	2.50	02/23/2024	
Beryllium		1.0		48.8	50.00	0	97.7	46.68	4.53	02/23/2024	
Boron		25.0		488	500.0	10.79	95.4	464.2	4.98	02/23/2024	
Cadmium		1.0		48.0	50.00	0	95.9	46.43	3.23	02/23/2024	
Chromium		1.5		206	200.0	1.709	102.0	205.0	0.34	02/26/2024	
Cobalt		1.0		466	500.0	0	93.1	436.6	6.46	02/23/2024	
Copper		1.0		237	250.0	0.5883	94.4	226.2	4.45	02/23/2024	
Iron		25.0		2080	2000	19.44	103.0	2188	5.03	02/26/2024	
Lead		1.0		489	500.0	0	97.9	452.6	7.81	02/23/2024	
Manganese		2.0		484	500.0	0	96.7	465.4	3.84	02/23/2024	
Molybdenum		1.5		522	500.0	2.344	103.9	505.1	3.21	02/26/2024	
Nickel		1.0		463	500.0	0.6930	92.4	447.5	3.37	02/23/2024	
Selenium		1.0		509	500.0	3.791	101.0	482.5	5.31	02/23/2024	
Silver		1.0		47.6	50.00	0	95.1	47.00	1.17	02/23/2024	
Thallium		2.0		220	250.0	0	88.1	215.8	2.02	02/23/2024	
Vanadium		5.0		471	500.0	0	94.2	454.7	3.57	02/23/2024	
Zinc		15.0		490	500.0	0	98.0	477.5	2.61	02/23/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218862 SampType: MBLK Units µg/L

SampleID: MBLK-218862

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	02/23/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/23/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/23/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/23/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/23/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/23/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218862 SampType: LCS Units µg/L

SampleID: LCS-218862

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1620	2000	0	81.0	80	120	02/23/2024
Antimony		1.0		478	500.0	0	95.5	80	120	02/23/2024
Arsenic		1.0		504	500.0	0	100.8	80	120	02/23/2024
Barium		1.0		2060	2000	0	103.2	80	120	02/23/2024
Beryllium		1.0		48.8	50.00	0	97.7	80	120	02/23/2024
Boron		25.0		454	500.0	0	90.8	80	120	02/23/2024
Cadmium		1.0		47.9	50.00	0	95.9	80	120	02/23/2024
Chromium		1.5		195	200.0	0	97.7	80	120	02/23/2024
Cobalt		1.0		475	500.0	0	95.1	80	120	02/23/2024
Copper		1.0		227	250.0	0	91.0	80	120	02/23/2024
Iron		25.0		2100	2000	0	105.0	80	120	02/26/2024
Lead		1.0		466	500.0	0	93.1	80	120	02/23/2024
Manganese		2.0		485	500.0	0	97.0	80	120	02/23/2024
Molybdenum		1.5		440	500.0	0	88.0	80	120	02/23/2024
Nickel		1.0		453	500.0	0	90.6	80	120	02/23/2024
Selenium		1.0		490	500.0	0	97.9	80	120	02/23/2024
Silver		1.0		49.0	50.00	0	98.0	80	120	02/23/2024
Thallium		2.0		253	250.0	0	101.3	80	120	02/23/2024
Vanadium		5.0		477	500.0	0	95.3	80	120	02/23/2024
Zinc		15.0		480	500.0	0	96.0	80	120	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218862 SampType: MS

Units µg/L

SampleID: 24020001-098DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1910	2000	0	95.5	75	125	02/23/2024
Antimony		1.0		491	500.0	0	98.2	75	125	02/23/2024
Arsenic		1.0		490	500.0	0.4049	97.9	75	125	02/23/2024
Barium		1.0		1960	2000	54.28	95.4	75	125	02/23/2024
Beryllium		1.0		46.6	50.00	0	93.2	75	125	02/23/2024
Boron		25.0		457	500.0	11.79	89.0	75	125	02/23/2024
Cadmium		1.0		47.4	50.00	0	94.7	75	125	02/23/2024
Chromium		1.5		177	200.0	1.051	87.9	75	125	02/23/2024
Cobalt		1.0		433	500.0	0	86.6	75	125	02/23/2024
Copper		1.0		219	250.0	0.8649	87.4	75	125	02/23/2024
Iron		25.0		2110	2000	74.24	101.8	75	125	02/26/2024
Iron		25.0		1840	2000	40.10	89.8	75	125	02/23/2024
Lead		1.0		447	500.0	0	89.4	75	125	02/23/2024
Manganese		2.0		458	500.0	1.751	91.2	75	125	02/23/2024
Molybdenum		1.5		434	500.0	0	86.9	75	125	02/23/2024
Selenium		1.0		475	500.0	2.766	94.4	75	125	02/23/2024
Silver		1.0		45.2	50.00	0	90.4	75	125	02/23/2024
Thallium		2.0		202	250.0	0	80.7	75	125	02/23/2024
Vanadium		5.0		447	500.0	0	89.4	75	125	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	SampType:	MSD	Units µg/L							RPD Limit: 20	
SampID: 24020001-098DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		25.0		1850	2000	0	92.6	1910	3.06	02/23/2024	
Antimony		1.0		490	500.0	0	98.1	491.0	0.12	02/23/2024	
Arsenic		1.0		509	500.0	0.4049	101.8	489.7	3.94	02/23/2024	
Barium		1.0		1960	2000	54.28	95.4	1963	0.02	02/23/2024	
Beryllium		1.0		48.5	50.00	0	97.0	46.62	3.96	02/23/2024	
Boron		25.0		469	500.0	11.79	91.4	456.6	2.62	02/23/2024	
Cadmium		1.0		46.3	50.00	0	92.5	47.36	2.36	02/23/2024	
Chromium		1.5		185	200.0	1.051	91.9	176.8	4.49	02/23/2024	
Cobalt		1.0		447	500.0	0	89.4	432.8	3.26	02/23/2024	
Copper		1.0		227	250.0	0.8649	90.6	219.3	3.59	02/23/2024	
Iron		25.0		1870	2000	40.10	91.3	1836	1.58	02/23/2024	
Iron		25.0		2090	2000	74.24	100.8	2110	0.89	02/26/2024	
Lead		1.0		483	500.0	0	96.6	446.9	7.80	02/23/2024	
Manganese		2.0		471	500.0	1.751	93.8	457.8	2.82	02/23/2024	
Molybdenum		1.5		451	500.0	0	90.3	434.4	3.83	02/23/2024	
Selenium		1.0		490	500.0	2.766	97.4	474.9	3.05	02/23/2024	
Silver		1.0		45.6	50.00	0	91.1	45.20	0.78	02/23/2024	
Thallium		2.0		217	250.0	0	86.9	201.8	7.41	02/23/2024	
Vanadium		5.0		463	500.0	0	92.6	447.2	3.46	02/23/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218972 SampType: MBLK Units µg/L

SampleID: MBLK-218972

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	02/23/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/26/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/23/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/23/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/26/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/23/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/26/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/23/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/26/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218972 SampType: LCS Units µg/L

SampleID: LCS-218972

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1700	2000	0	85.1	80	120	02/23/2024
Antimony		1.0		446	500.0	0	89.1	80	120	02/26/2024
Arsenic		1.0		493	500.0	0	98.6	80	120	02/23/2024
Barium		1.0		1970	2000	0	98.3	80	120	02/23/2024
Beryllium		1.0		43.9	50.00	0	87.8	80	120	02/23/2024
Boron		25.0		450	500.0	0	90.0	80	120	02/23/2024
Cadmium		1.0		44.4	50.00	0	88.7	80	120	02/23/2024
Chromium		1.5		181	200.0	0	90.3	80	120	02/23/2024
Cobalt		1.0		460	500.0	0	92.0	80	120	02/23/2024
Copper		1.0		234	250.0	0	93.6	80	120	02/23/2024
Iron		25.0		1800	2000	0	89.9	80	120	02/23/2024
Lead		1.0		480	500.0	0	95.9	80	120	02/26/2024
Manganese		2.0		464	500.0	0	92.9	80	120	02/23/2024
Molybdenum		1.5		422	500.0	0	84.5	80	120	02/23/2024
Nickel		1.0		470	500.0	0	93.9	80	120	02/26/2024
Selenium		1.0		497	500.0	0	99.5	80	120	02/23/2024
Silver		1.0		42.6	50.00	0	85.2	80	120	02/23/2024
Thallium		2.0		225	250.0	0	90.2	80	120	02/23/2024
Vanadium		5.0		448	500.0	0	89.6	80	120	02/23/2024
Zinc		15.0		508	500.0	0	101.6	80	120	02/26/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218972 SampType: MS

Units µg/L

SampleID: 24020001-025DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1680	2000	0	84.0	75	125	02/23/2024
Antimony		1.0		526	500.0	0	105.2	75	125	02/26/2024
Arsenic		1.0		488	500.0	0	97.5	75	125	02/23/2024
Barium		1.0		2010	2000	38.63	98.4	75	125	02/23/2024
Beryllium		1.0		45.7	50.00	0	91.5	75	125	02/23/2024
Boron		25.0		478	500.0	39.76	87.6	75	125	02/23/2024
Cadmium		1.0		45.3	50.00	0	90.6	75	125	02/23/2024
Chromium		1.5		177	200.0	0.9569	88.2	75	125	02/23/2024
Cobalt		1.0		443	500.0	0	88.6	75	125	02/23/2024
Copper		1.0		220	250.0	0.4856	87.9	75	125	02/23/2024
Iron		25.0		1770	2000	0	88.6	75	125	02/23/2024
Lead		1.0		504	500.0	0	100.7	75	125	02/26/2024
Manganese		2.0		451	500.0	0	90.3	75	125	02/23/2024
Nickel		1.0		459	500.0	0	91.7	75	125	02/26/2024
Selenium		1.0		484	500.0	1.833	96.5	75	125	02/23/2024
Silver		1.0		42.3	50.00	0	84.6	75	125	02/23/2024
Thallium		2.0		221	250.0	0	88.4	75	125	02/23/2024
Vanadium		5.0		448	500.0	0	89.6	75	125	02/23/2024
Zinc		15.0		513	500.0	0	102.5	75	125	02/26/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	SampType	MSD	Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 24020001-025DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Aluminum		25.0		1690	2000	0	84.3	1679	0.41	02/23/2024	
Antimony		1.0		505	500.0	0	100.9	526.0	4.15	02/26/2024	
Arsenic		1.0		484	500.0	0	96.8	487.6	0.76	02/23/2024	
Barium		1.0		1990	2000	38.63	97.5	2006	0.91	02/23/2024	
Beryllium		1.0		44.7	50.00	0	89.4	45.74	2.29	02/23/2024	
Boron		25.0		477	500.0	39.76	87.4	477.6	0.17	02/23/2024	
Cadmium		1.0		43.5	50.00	0	87.0	45.29	3.99	02/23/2024	
Chromium		1.5		178	200.0	0.9569	88.6	177.4	0.41	02/23/2024	
Cobalt		1.0		443	500.0	0	88.6	442.8	0.03	02/23/2024	
Copper		1.0		221	250.0	0.4856	88.0	220.3	0.09	02/23/2024	
Iron		25.0		1770	2000	0	88.7	1771	0.17	02/23/2024	
Lead		1.0		499	500.0	0	99.7	503.6	0.97	02/26/2024	
Manganese		2.0		454	500.0	0	90.8	451.3	0.59	02/23/2024	
Nickel		1.0		456	500.0	0	91.2	458.7	0.62	02/26/2024	
Selenium		1.0		483	500.0	1.833	96.3	484.2	0.15	02/23/2024	
Silver		1.0		41.5	50.00	0	83.1	42.29	1.81	02/23/2024	
Thallium		2.0		219	250.0	0	87.5	220.9	0.96	02/23/2024	
Vanadium		5.0		450	500.0	0	90.1	447.8	0.57	02/23/2024	
Zinc		15.0		502	500.0	0	100.4	512.5	2.05	02/26/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 219032 **SampType:** MBLK **Units** µg/L

SampleID: MBLK-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/24/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/24/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	SampType:	MSD	Units µg/L							RPD Limit: 20	Date Analyzed
SampID: 24020001-052DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Aluminum		25.0		1760	2000	0	88.1	1849	4.81	02/24/2024	
Antimony		1.0		471	500.0	0	94.1	459.0	2.50	02/24/2024	
Arsenic		1.0		492	500.0	0.9669	98.2	509.8	3.52	02/24/2024	
Barium		1.0		1880	2000	32.16	92.2	1875	0.01	02/24/2024	
Beryllium		1.0		46.7	50.00	0	93.3	46.87	0.46	02/24/2024	
Boron		25.0		4140	500.0	3757	75.8	4193	1.36	02/26/2024	
Cadmium		1.0		47.8	50.00	0.2298	95.2	49.13	2.65	02/26/2024	
Chromium		1.5		172	200.0	0.7953	85.8	166.6	3.43	02/24/2024	
Cobalt		1.0		423	500.0	0.1729	84.5	424.5	0.39	02/24/2024	
Copper		1.0		212	250.0	0.9127	84.5	215.1	1.38	02/24/2024	
Iron		25.0		1960	2000	23.60	96.9	1989	1.42	02/26/2024	
Lead		1.0		444	500.0	0	88.9	440.7	0.84	02/24/2024	
Manganese		2.0		641	500.0	195.0	89.2	641.9	0.13	02/24/2024	
Molybdenum		1.5		412	500.0	0	82.3	438.1	6.23	02/24/2024	
Nickel		1.0		434	500.0	7.514	85.2	430.4	0.72	02/24/2024	
Selenium		1.0		463	500.0	1.789	92.2	469.2	1.39	02/24/2024	
Silver		1.0	SR	19.8	50.00	0	39.7	11.54	52.86	02/24/2024	
Thallium		2.0		221	250.0	0	88.4	219.7	0.54	02/24/2024	
Vanadium		5.0		436	500.0	0	87.2	437.9	0.38	02/24/2024	
Zinc		15.0		428	500.0	0	85.7	450.7	5.08	02/24/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 219032 SampType: MS

Units µg/L

SampleID: 24020001-087DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1800	2000	36.13	88.1	75	125	02/24/2024
Antimony		1.0		460	500.0	0	92.0	75	125	02/24/2024
Arsenic		1.0		490	500.0	0.4123	98.0	75	125	02/24/2024
Barium		1.0		1830	2000	51.65	88.9	75	125	02/24/2024
Beryllium		1.0		47.2	50.00	0	94.4	75	125	02/24/2024
Boron		25.0		783	500.0	331.4	90.3	75	125	02/24/2024
Cadmium		1.0		49.4	50.00	0.2548	98.2	75	125	02/27/2024
Chromium		1.5		170	200.0	1.146	84.6	75	125	02/24/2024
Cobalt		1.0		419	500.0	0.5539	83.7	75	125	02/24/2024
Copper		1.0		218	250.0	0.6777	86.9	75	125	02/24/2024
Iron		25.0		2130	2000	156.1	98.7	75	125	02/27/2024
Lead		1.0		453	500.0	0	90.7	75	125	02/24/2024
Manganese		2.0		1020	500.0	568.2	90.9	75	125	02/24/2024
Molybdenum		1.5		415	500.0	0.9292	82.7	75	125	02/24/2024
Nickel		1.0		436	500.0	2.470	86.7	75	125	03/01/2024
Selenium		1.0		461	500.0	3.405	91.6	75	125	02/24/2024
Silver		1.0		43.2	50.00	0	86.4	75	125	02/24/2024
Thallium		2.0		238	250.0	0	95.1	75	125	02/27/2024
Vanadium		5.0		438	500.0	0	87.6	75	125	02/24/2024
Zinc		15.0		457	500.0	0	91.5	75	125	02/24/2024



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218746 **SampType:** LCS **Units** µg/L
SampID: LCS-218746

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2240	2000	0	112.0	80	120	02/21/2024
Antimony		1.0		518	500.0	0	103.6	80	120	02/16/2024
Arsenic		1.0		525	500.0	0	105.0	80	120	02/16/2024
Barium		1.0		2190	2000	0	109.3	80	120	02/21/2024
Beryllium		1.0		52.5	50.00	0	104.9	80	120	02/16/2024
Boron		25.0		524	500.0	0	104.9	80	120	02/19/2024
Cadmium		1.0		50.2	50.00	0	100.4	80	120	02/16/2024
Chromium		1.5		208	200.0	0	103.8	80	120	02/19/2024
Cobalt		1.0		501	500.0	0	100.3	80	120	02/16/2024
Copper		1.0		260	250.0	0	104.0	80	120	02/19/2024
Iron		25.0		2180	2000	0	108.9	80	120	02/19/2024
Lead		1.0		543	500.0	0	108.6	80	120	02/20/2024
Lithium	*	3.0		510	500.0	0	102.0	80	120	02/16/2024
Manganese		2.0		540	500.0	0	108.0	80	120	02/19/2024
Molybdenum		1.5		494	500.0	0	98.8	80	120	02/19/2024
Nickel		1.0		549	500.0	0	109.8	80	120	02/21/2024
Selenium		1.0		498	500.0	0	99.6	80	120	02/16/2024
Silver		1.0		51.0	50.00	0	102.0	80	120	02/16/2024
Silver		1.0		51.7	50.00	0	103.3	80	120	02/16/2024
Thallium		2.0		266	250.0	0	106.4	80	120	02/19/2024
Vanadium		5.0		512	500.0	0	102.4	80	120	02/19/2024
Zinc		15.0		542	500.0	0	108.5	80	120	02/21/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218746 SampType: MS Units µg/L

SampleID: 24020001-032CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2550	2000	462.8	104.4	75	125	02/21/2024
Antimony		1.0		499	500.0	0.6628	99.7	75	125	02/16/2024
Arsenic		1.0		530	500.0	1.304	105.8	75	125	02/16/2024
Barium		1.0		2130	2000	70.23	102.8	75	125	02/21/2024
Beryllium		1.0		53.3	50.00	0	106.5	75	125	02/16/2024
Boron		25.0		544	500.0	30.00	102.8	75	125	02/19/2024
Cadmium		1.0		48.5	50.00	0	97.0	75	125	02/16/2024
Chromium		1.5		192	200.0	1.348	95.1	75	125	02/19/2024
Cobalt		1.0		486	500.0	0.2830	97.1	75	125	02/16/2024
Copper		1.0		232	250.0	2.479	91.9	75	125	02/19/2024
Iron		25.0		3520	2000	1452	103.4	75	125	02/19/2024
Lead		1.0		506	500.0	0	101.2	75	125	02/20/2024
Lithium	*	3.0		504	500.0	5.150	99.8	75	125	02/16/2024
Manganese		2.0		794	500.0	311.2	96.5	75	125	02/19/2024
Molybdenum		1.5		481	500.0	3.115	95.6	75	125	02/19/2024
Nickel		1.0		505	500.0	2.636	100.6	75	125	02/21/2024
Selenium		1.0		484	500.0	0	96.7	75	125	02/16/2024
Silver		1.0		60.2	50.00	0	120.3	75	125	02/16/2024
Thallium		2.0		233	250.0	0	93.4	75	125	02/22/2024
Vanadium		5.0		486	500.0	0	97.2	75	125	02/19/2024
Zinc		15.0		527	500.0	21.62	101.0	75	125	02/21/2024



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	SampType	MSD	Units µg/L				RPD Limit: 20				Date Analyzed
SampleID: 24020001-032CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Aluminum		25.0		2520	2000	462.8	102.7	2551	1.37	02/21/2024	
Antimony		1.0		519	500.0	0.6628	103.7	499.0	3.92	02/16/2024	
Arsenic		1.0		538	500.0	1.304	107.4	530.4	1.45	02/16/2024	
Barium		1.0		2210	2000	70.23	107.2	2127	4.07	02/21/2024	
Beryllium		1.0		53.8	50.00	0	107.6	53.26	0.97	02/16/2024	
Boron		25.0		528	500.0	30.00	99.7	543.9	2.90	02/19/2024	
Cadmium		1.0		49.9	50.00	0	99.9	48.50	2.90	02/16/2024	
Chromium		1.5		203	200.0	1.348	100.9	191.6	5.82	02/19/2024	
Cobalt		1.0		501	500.0	0.2830	100.2	485.8	3.13	02/16/2024	
Copper		1.0		250	250.0	2.479	98.9	232.3	7.21	02/19/2024	
Iron		25.0		3430	2000	1452	98.9	3519	2.59	02/19/2024	
Lead		1.0		541	500.0	0	108.2	506.2	6.63	02/20/2024	
Lithium	*	3.0		515	500.0	5.150	102.0	504.3	2.09	02/16/2024	
Manganese		2.0		837	500.0	311.2	105.2	793.8	5.31	02/19/2024	
Molybdenum		1.5		504	500.0	3.115	100.2	481.4	4.59	02/19/2024	
Nickel		1.0		522	500.0	2.636	103.9	505.4	3.24	02/21/2024	
Selenium		1.0		491	500.0	0	98.3	483.7	1.54	02/16/2024	
Silver		1.0		49.7	50.00	0	99.4	60.15	19.03	02/16/2024	
Thallium		2.0		251	250.0	0	100.2	233.5	7.05	02/22/2024	
Vanadium		5.0		514	500.0	0	102.9	485.8	5.69	02/19/2024	
Zinc		15.0		547	500.0	21.62	105.0	526.8	3.72	02/21/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218807 **SampType:** MBLK **Units** µg/L
SampleID: MBLK-218807

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	02/21/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/21/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/21/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/21/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/21/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/19/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/21/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/19/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/21/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/19/2024
Iron		75.0		< 75.0	11.50	0	0	-100	100	02/19/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/21/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/19/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/19/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/19/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/21/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/19/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/19/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218807		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-218807											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		25.0		2270	2000	0	113.4	80	120	02/21/2024	
Antimony		1.0		556	500.0	0	111.2	80	120	02/22/2024	
Arsenic		1.0		600	500.0	0	120.0	80	120	02/22/2024	
Arsenic		1.0	S	604	500.0	0	120.9	80	120	02/21/2024	
Barium		1.0		2250	2000	0	112.3	80	120	02/21/2024	
Beryllium		1.0		54.7	50.00	0	109.4	80	120	02/21/2024	
Boron		25.0		542	500.0	0	108.3	80	120	02/19/2024	
Cadmium		1.0		57.0	50.00	0	114.0	80	120	02/21/2024	
Chromium		1.5		212	200.0	0	106.1	80	120	02/19/2024	
Cobalt		1.0		555	500.0	0	110.9	80	120	02/21/2024	
Iron		25.0		2130	2000	0	106.3	80	120	02/19/2024	
Lead		1.0	S	704	500.0	0	140.9	80	120	02/21/2024	
Manganese		2.0		554	500.0	0	110.7	80	120	02/19/2024	
Molybdenum		1.5		509	500.0	0	101.9	80	120	02/19/2024	
Selenium		1.0		578	500.0	0	115.5	80	120	02/21/2024	
Silver		1.0		57.0	50.00	0	114.1	80	120	02/21/2024	
Thallium		2.0		258	250.0	0	103.4	80	120	02/19/2024	
Vanadium		5.0		529	500.0	0	105.7	80	120	02/19/2024	
Zinc		15.0	S	7740	500.0	0	1548	80	120	02/21/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218807 SampType: MS Units µg/L

SampleID: 24020001-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2490	2000	382.6	105.2	75	125	02/21/2024
Antimony		1.0		556	500.0	0	111.3	75	125	02/22/2024
Arsenic		1.0		581	500.0	0	116.2	75	125	02/21/2024
Barium		1.0		2250	2000	65.43	109.1	75	125	02/21/2024
Beryllium		1.0		56.5	50.00	0	113.1	75	125	02/21/2024
Boron		25.0		570	500.0	10.47	111.9	75	125	02/19/2024
Cadmium		1.0		55.5	50.00	0	111.0	75	125	02/21/2024
Chromium		1.5		208	200.0	2.523	102.5	75	125	02/19/2024
Cobalt		1.0		516	500.0	0	103.1	75	125	02/21/2024
Copper		1.0		243	250.0	0.8241	96.7	75	125	02/19/2024
Iron		25.0		2550	2000	375.2	108.6	75	125	02/19/2024
Lead		1.0		555	500.0	0	111.0	75	125	02/21/2024
Manganese		2.0		544	500.0	16.46	105.5	75	125	02/19/2024
Molybdenum		1.5		487	500.0	0	97.4	75	125	02/19/2024
Selenium		1.0		562	500.0	3.144	111.8	75	125	02/21/2024
Silver		1.0		54.0	50.00	0	108.0	75	125	02/21/2024
Thallium		2.0		249	250.0	0	99.4	75	125	02/19/2024
Vanadium		5.0		518	500.0	0	103.5	75	125	02/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218955 SampType: MBLK Units µg/L

SampID: MBLK-218955

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	02/23/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/23/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/26/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/23/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/23/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/23/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/26/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/26/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/23/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218955 SampType: LCS Units µg/L

SampID: LCS-218955

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1790	2000	0	89.6	80	120	02/23/2024
Antimony		1.0		494	500.0	0	98.8	80	120	02/23/2024
Arsenic		1.0		523	500.0	0	104.5	80	120	02/23/2024
Barium		1.0		2160	2000	0	107.8	80	120	02/23/2024
Beryllium		1.0		46.6	50.00	0	93.2	80	120	02/23/2024
Boron		25.0		454	500.0	0	90.7	80	120	02/23/2024
Cadmium		1.0		48.5	50.00	0	96.9	80	120	02/23/2024
Chromium		1.5		194	200.0	0	96.8	80	120	02/23/2024
Cobalt		1.0		486	500.0	0	97.2	80	120	02/23/2024
Copper		1.0		256	250.0	0	102.5	80	120	02/26/2024
Iron		25.0		1920	2000	0	96.2	80	120	02/23/2024
Lead		1.0		497	500.0	0	99.4	80	120	02/23/2024
Lithium	*	3.0		441	500.0	0	88.2	80	120	02/23/2024
Manganese		2.0		497	500.0	0	99.4	80	120	02/23/2024
Nickel		1.0		486	500.0	0	97.2	80	120	02/23/2024
Nickel		1.0		500	500.0	0	100.0	80	120	02/26/2024
Selenium		1.0		558	500.0	0	111.6	80	120	02/26/2024
Silver		1.0		45.8	50.00	0	91.7	80	120	02/23/2024
Thallium		2.0		232	250.0	0	92.8	80	120	02/23/2024
Vanadium		5.0		481	500.0	0	96.2	80	120	02/23/2024
Zinc		15.0		449	500.0	0	89.7	80	120	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218955 SampType: MS Units µg/L

SampleID: 24020001-045CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2640	2000	637.0	100.2	75	125	02/27/2024
Antimony		1.0		496	500.0	1.065	99.0	75	125	02/23/2024
Arsenic		1.0		546	500.0	2.045	108.8	75	125	02/23/2024
Barium		1.0		2220	2000	59.15	108.2	75	125	02/23/2024
Beryllium		1.0		48.9	50.00	0	97.7	75	125	02/23/2024
Boron		25.0		545	500.0	92.48	90.5	75	125	02/23/2024
Cadmium		1.0		48.0	50.00	0	96.1	75	125	02/23/2024
Chromium		1.5		195	200.0	3.788	95.5	75	125	02/23/2024
Cobalt		1.0		479	500.0	0.9776	95.6	75	125	02/23/2024
Copper		1.0		255	250.0	1.669	101.5	75	125	02/27/2024
Iron		25.0		3220	2000	1066	107.8	75	125	02/27/2024
Lead		1.0		510	500.0	1.185	101.8	75	125	02/23/2024
Lithium	*	3.0		464	500.0	8.465	91.1	75	125	02/23/2024
Manganese		2.0		661	500.0	227.8	86.6	75	125	02/23/2024
Molybdenum		1.5		509	500.0	0.7531	101.7	75	125	02/27/2024
Nickel		1.0		472	500.0	4.004	93.6	75	125	02/23/2024
Selenium		1.0		523	500.0	0	104.6	75	125	02/27/2024
Silver		1.0		44.7	50.00	0	89.3	75	125	02/23/2024
Thallium		2.0		246	250.0	0	98.5	75	125	02/23/2024
Vanadium		5.0		497	500.0	3.550	98.6	75	125	02/23/2024
Zinc		15.0		449	500.0	7.383	88.2	75	125	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	SampType:	MSD	Units µg/L							RPD Limit: 20	
SampID: 24020001-045CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		25.0		2590	2000	637.0	97.7	2641	1.95	02/27/2024	
Antimony		1.0		493	500.0	1.065	98.4	496.0	0.64	02/23/2024	
Arsenic		1.0		530	500.0	2.045	105.5	546.1	3.07	02/23/2024	
Barium		1.0		2170	2000	59.15	105.8	2223	2.21	02/23/2024	
Beryllium		1.0		47.6	50.00	0	95.3	48.85	2.49	02/23/2024	
Boron		25.0		537	500.0	92.48	88.9	544.8	1.46	02/23/2024	
Cadmium		1.0		47.4	50.00	0	94.9	48.03	1.23	02/23/2024	
Chromium		1.5		191	200.0	3.788	93.7	194.7	1.81	02/23/2024	
Cobalt		1.0		469	500.0	0.9776	93.6	479.0	2.09	02/23/2024	
Copper		1.0		255	250.0	1.669	101.3	255.4	0.14	02/27/2024	
Iron		25.0		3260	2000	1066	110.0	3221	1.36	02/27/2024	
Lead		1.0		501	500.0	1.185	99.9	510.1	1.90	02/23/2024	
Lithium	*	3.0		456	500.0	8.465	89.6	464.1	1.68	02/23/2024	
Manganese		2.0		649	500.0	227.8	84.2	660.9	1.83	02/23/2024	
Molybdenum		1.5		512	500.0	0.7531	102.2	509.1	0.53	02/27/2024	
Nickel		1.0		462	500.0	4.004	91.5	472.0	2.22	02/23/2024	
Selenium		1.0		531	500.0	0	106.1	522.9	1.47	02/27/2024	
Silver		1.0		44.1	50.00	0	88.3	44.66	1.16	02/23/2024	
Thallium		2.0		240	250.0	0	95.8	246.3	2.74	02/23/2024	
Vanadium		5.0		487	500.0	3.550	96.7	496.6	1.98	02/23/2024	
Zinc		15.0		435	500.0	7.383	85.4	448.6	3.18	02/23/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218955		SampType: MS		Units µg/L						
SampID: 24020001-100CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1940	2000	226.9	85.9	75	125	02/23/2024
Antimony		1.0		506	500.0	0.7802	101.0	75	125	02/23/2024
Arsenic		1.0		553	500.0	0.8503	110.5	75	125	02/23/2024
Barium		1.0		2210	2000	46.88	107.9	75	125	02/23/2024
Beryllium		1.0		49.1	50.00	0	98.2	75	125	02/23/2024
Boron		25.0		560	500.0	129.3	86.1	75	125	02/23/2024
Cadmium		1.0		48.6	50.00	0	97.2	75	125	02/23/2024
Chromium		1.5		193	200.0	2.478	95.4	75	125	02/23/2024
Cobalt		1.0		500	500.0	0.1752	99.9	75	125	02/27/2024
Cobalt		1.0		476	500.0	0.2522	95.1	75	125	02/23/2024
Iron		25.0		2200	2000	330.7	93.3	75	125	02/23/2024
Lead		1.0		512	500.0	0	102.4	75	125	02/23/2024
Lithium	*	3.0		456	500.0	7.805	89.6	75	125	02/23/2024
Manganese		2.0		556	500.0	94.88	92.3	75	125	02/23/2024
Molybdenum		1.5		512	500.0	0.8201	102.3	75	125	02/27/2024
Nickel		1.0		470	500.0	2.170	93.5	75	125	02/23/2024
Selenium		1.0		534	500.0	0	106.8	75	125	02/27/2024
Silver		1.0		45.1	50.00	0	90.2	75	125	02/23/2024
Thallium		2.0		242	250.0	0	97.0	75	125	02/23/2024
Vanadium		5.0		494	500.0	0	98.9	75	125	02/23/2024
Zinc		15.0		528	500.0	0	105.6	75	125	02/27/2024



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Batch 218955		SampType: MSD		Units µg/L		RPD Limit: 20				
SampleID: 24020001-100CMSD										
Aluminum		25.0		1860	2000	226.9	81.7	1944	4.35	02/23/2024
Antimony		1.0		499	500.0	0.7802	99.6	505.8	1.44	02/23/2024
Arsenic		1.0		538	500.0	0.8503	107.4	553.4	2.84	02/23/2024
Barium		1.0		2160	2000	46.88	105.9	2206	1.88	02/23/2024
Beryllium		1.0		46.4	50.00	0	92.9	49.12	5.61	02/23/2024
Boron		25.0		532	500.0	129.3	80.6	559.6	4.99	02/23/2024
Cadmium		1.0		48.0	50.00	0	96.0	48.60	1.20	02/23/2024
Chromium		1.5		186	200.0	2.478	91.9	193.2	3.64	02/23/2024
Cobalt		1.0		499	500.0	0.1752	99.8	499.7	0.10	02/27/2024
Cobalt		1.0		463	500.0	0.2522	92.6	475.5	2.62	02/23/2024
Iron		25.0		2120	2000	330.7	89.4	2196	3.56	02/23/2024
Lead		1.0		495	500.0	0	99.0	512.1	3.37	02/23/2024
Lithium	*	3.0		441	500.0	7.805	86.7	455.8	3.27	02/23/2024
Manganese		2.0		536	500.0	94.88	88.3	556.2	3.61	02/23/2024
Molybdenum		1.5		519	500.0	0.8201	103.6	512.2	1.31	02/27/2024
Nickel		1.0		453	500.0	2.170	90.2	469.9	3.61	02/23/2024
Selenium		1.0		525	500.0	0	105.0	534.2	1.77	02/27/2024
Silver		1.0		44.5	50.00	0	89.1	45.08	1.18	02/23/2024
Thallium		2.0		235	250.0	0	94.1	242.5	2.99	02/23/2024
Vanadium		5.0		477	500.0	0	95.4	494.3	3.58	02/23/2024
Zinc		15.0		519	500.0	0	103.9	528.1	1.69	02/27/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219022 SampType: MBLK Units µg/L

SampID: MBLK-219022

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	02/23/2024
Antimony		1.0	S	1.2	0.4500	0	266.6	-100	100	02/27/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/28/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/27/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/23/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/23/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/23/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/27/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/27/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/23/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/27/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219022 SampType: LCS Units µg/L

SampleID: LCS-219022

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1800	2000	0	90.2	80	120	02/23/2024
Antimony		1.0	B	549	500.0	0	109.8	80	120	02/27/2024
Arsenic		1.0		532	500.0	0	106.4	80	120	02/23/2024
Barium		1.0		2170	2000	0	108.6	80	120	02/23/2024
Beryllium		1.0		49.4	50.00	0	98.9	80	120	02/23/2024
Boron		25.0		535	500.0	0	107.1	80	120	02/27/2024
Cadmium		1.0		48.8	50.00	0	97.5	80	120	02/23/2024
Chromium		1.5		197	200.0	0	98.4	80	120	02/23/2024
Cobalt		1.0		480	500.0	0	96.0	80	120	02/23/2024
Copper		1.0		248	250.0	0	99.2	80	120	02/23/2024
Iron		25.0		1930	2000	0	96.4	80	120	02/23/2024
Lead		1.0		499	500.0	0	99.9	80	120	02/23/2024
Lithium	*	3.0		456	500.0	0	91.2	80	120	02/23/2024
Manganese		2.0		497	500.0	0	99.3	80	120	02/23/2024
Molybdenum		1.5		493	500.0	0	98.5	80	120	02/27/2024
Nickel		1.0		484	500.0	0	96.7	80	120	02/23/2024
Selenium		1.0		525	500.0	0	105.0	80	120	02/27/2024
Silver		1.0		45.9	50.00	0	91.8	80	120	02/23/2024
Thallium		2.0		237	250.0	0	94.6	80	120	02/23/2024
Vanadium		5.0		491	500.0	0	98.3	80	120	02/23/2024
Zinc		15.0		535	500.0	0	106.9	80	120	02/27/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219022 SampType: MS Units µg/L

SampleID: 24020001-052CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2030	2000	195.4	91.9	75	125	02/23/2024
Antimony		1.0	B	539	500.0	0	107.7	75	125	02/27/2024
Arsenic		1.0		560	500.0	0.8986	111.8	75	125	02/23/2024
Barium		1.0		2320	2000	36.03	114.1	75	125	02/23/2024
Beryllium		1.0		47.3	50.00	0	94.7	75	125	02/23/2024
Boron		25.0		4070	500.0	3555	103.6	75	125	02/27/2024
Cadmium		1.0		49.1	50.00	0.2132	97.8	75	125	02/23/2024
Chromium		1.5		194	200.0	1.487	96.3	75	125	02/23/2024
Cobalt		1.0		479	500.0	0.1900	95.8	75	125	02/23/2024
Copper		1.0		233	250.0	1.757	92.3	75	125	02/23/2024
Iron		25.0		2190	2000	214.4	98.7	75	125	02/23/2024
Lead		1.0		529	500.0	0	105.9	75	125	02/23/2024
Lithium	*	3.0		479	500.0	14.11	92.9	75	125	02/23/2024
Manganese		2.0		599	500.0	122.8	95.2	75	125	02/23/2024
Molybdenum		1.5		526	500.0	0.6103	105.0	75	125	02/27/2024
Nickel		1.0		471	500.0	10.15	92.2	75	125	02/23/2024
Selenium		1.0		534	500.0	1.083	106.6	75	125	02/27/2024
Silver		1.0		44.7	50.00	0	89.4	75	125	02/23/2024
Thallium		2.0		257	250.0	0	102.7	75	125	02/23/2024
Vanadium		5.0		503	500.0	0	100.6	75	125	02/23/2024
Zinc		15.0		504	500.0	6.333	99.5	75	125	02/27/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	SampType:	MSD		Units µg/L					RPD Limit: 20		Date Analyzed
SampleID: 24020001-052CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Aluminum		25.0		2020	2000	195.4	91.0	2033	0.87	02/23/2024	
Antimony		1.0	B	564	500.0	0	112.7	538.6	4.56	02/27/2024	
Arsenic		1.0		548	500.0	0.8986	109.5	560.1	2.14	02/23/2024	
Barium		1.0		2230	2000	36.03	109.5	2318	4.05	02/23/2024	
Beryllium		1.0		46.2	50.00	0	92.3	47.35	2.55	02/23/2024	
Boron		25.0		4150	500.0	3555	118.3	4074	1.79	02/27/2024	
Cadmium		1.0		46.6	50.00	0.2132	92.8	49.11	5.25	02/23/2024	
Chromium		1.5		189	200.0	1.487	93.6	194.2	2.90	02/23/2024	
Cobalt		1.0		472	500.0	0.1900	94.4	479.0	1.44	02/23/2024	
Copper		1.0		226	250.0	1.757	89.7	232.6	2.84	02/23/2024	
Iron		25.0		2150	2000	214.4	96.8	2189	1.72	02/23/2024	
Lead		1.0		516	500.0	0	103.1	529.3	2.64	02/23/2024	
Lithium	*	3.0		448	500.0	14.11	86.8	478.7	6.60	02/23/2024	
Manganese		2.0		590	500.0	122.8	93.4	598.5	1.45	02/23/2024	
Molybdenum		1.5		551	500.0	0.6103	110.2	525.7	4.77	02/27/2024	
Nickel		1.0		459	500.0	10.15	89.8	471.0	2.54	02/23/2024	
Selenium		1.0		549	500.0	1.083	109.5	534.3	2.64	02/27/2024	
Silver		1.0		42.7	50.00	0	85.5	44.70	4.51	02/23/2024	
Thallium		2.0		252	250.0	0	100.7	256.8	1.95	02/23/2024	
Vanadium		5.0		492	500.0	0	98.4	503.1	2.23	02/23/2024	
Zinc		15.0		507	500.0	6.333	100.1	503.8	0.63	02/27/2024	



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043 **SampType:** MBLK Units µg/L
SampID: MBLK-219043

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	02/23/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/23/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/23/2024
Calcium		125		< 125	70.00	0	0	-100	100	02/26/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/23/2024
Iron		25.0	S	65.7	11.50	0	571.1	-100	100	02/26/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/23/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/23/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/23/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043 SampType: LCS Units µg/L
 SampID: LCS-219043

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1810	2000	0	90.7	80	120	02/23/2024
Antimony		1.0		492	500.0	0	98.5	80	120	02/23/2024
Arsenic		1.0		507	500.0	0	101.3	80	120	02/23/2024
Barium		1.0		1930	2000	0	96.7	80	120	02/23/2024
Beryllium		1.0		46.5	50.00	0	92.9	80	120	02/23/2024
Boron		25.0		457	500.0	0	91.5	80	120	02/23/2024
Cadmium		1.0		46.7	50.00	0	93.5	80	120	02/23/2024
Calcium		125		2750	2500	0	109.8	80	120	02/26/2024
Chromium		1.5		183	200.0	0	91.5	80	120	02/23/2024
Cobalt		1.0		460	500.0	0	92.1	80	120	02/23/2024
Copper		1.0		238	250.0	0	95.4	80	120	02/23/2024
Iron		25.0	B	2200	2000	0	110.1	80	120	02/26/2024
Lead		1.0		466	500.0	0	93.3	80	120	02/23/2024
Lithium	*	3.0		436	500.0	0	87.2	80	120	02/23/2024
Manganese		2.0		469	500.0	0	93.8	80	120	02/23/2024
Molybdenum		1.5		446	500.0	0	89.2	80	120	02/23/2024
Nickel		1.0		462	500.0	0	92.5	80	120	02/23/2024
Selenium		1.0		495	500.0	0	99.1	80	120	02/23/2024
Silver		1.0		48.8	50.00	0	97.6	80	120	02/23/2024
Vanadium		5.0		461	500.0	0	92.2	80	120	02/23/2024
Zinc		15.0		480	500.0	0	96.0	80	120	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043 SampType: MS Units µg/L

SamplID: 24020001-097CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1830	2000	26.37	90.3	75	125	02/23/2024
Antimony		1.0		490	500.0	0.6745	98.0	75	125	02/23/2024
Arsenic		1.0		527	500.0	1.060	105.2	75	125	02/23/2024
Barium		1.0		1920	2000	2.540	96.0	75	125	02/23/2024
Beryllium		1.0		49.3	50.00	0	98.5	75	125	02/23/2024
Boron		25.0		510	500.0	15.39	98.9	75	125	02/23/2024
Cadmium		1.0		49.5	50.00	0.4602	98.1	75	125	02/23/2024
Chromium		1.5		191	200.0	1.870	94.8	75	125	02/23/2024
Cobalt		1.0		477	500.0	0.5194	95.3	75	125	02/23/2024
Copper		1.0		246	250.0	2.057	97.8	75	125	02/23/2024
Iron		25.0	B	2220	2000	15.19	110.0	75	125	02/26/2024
Lithium	*	3.0		471	500.0	0	94.3	75	125	02/23/2024
Manganese		2.0		483	500.0	1.282	96.3	75	125	02/23/2024
Molybdenum		1.5		470	500.0	0.8724	93.8	75	125	02/23/2024
Selenium		1.0		502	500.0	0	100.5	75	125	02/23/2024
Silver		1.0		48.6	50.00	0.1068	97.0	75	125	02/23/2024
Thallium		2.0		237	250.0	1.200	94.3	75	125	02/26/2024
Vanadium		5.0		472	500.0	0	94.4	75	125	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043		SampType: MSD		Units µg/L				RPD Limit: 20		
SampID: 24020001-097CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		1820	2000	26.37	89.5	1832	0.87	02/23/2024
Antimony		1.0		496	500.0	0.6745	99.1	490.5	1.12	02/23/2024
Arsenic		1.0		523	500.0	1.060	104.3	527.2	0.88	02/23/2024
Barium		1.0		1960	2000	2.540	97.7	1923	1.74	02/23/2024
Beryllium		1.0		49.5	50.00	0	99.0	49.26	0.47	02/23/2024
Boron		25.0		475	500.0	15.39	91.9	509.7	7.11	02/23/2024
Cadmium		1.0		47.5	50.00	0.4602	94.1	49.50	4.13	02/23/2024
Chromium		1.5		185	200.0	1.870	91.5	191.4	3.48	02/23/2024
Cobalt		1.0		471	500.0	0.5194	94.0	477.1	1.37	02/23/2024
Copper		1.0		245	250.0	2.057	97.3	246.5	0.53	02/23/2024
Iron		25.0	B	2090	2000	15.19	103.7	2215	5.87	02/26/2024
Lithium	*	3.0		463	500.0	0	92.5	471.4	1.89	02/23/2024
Manganese		2.0		481	500.0	1.282	96.0	483.0	0.38	02/23/2024
Molybdenum		1.5		454	500.0	0.8724	90.7	470.1	3.42	02/23/2024
Selenium		1.0		505	500.0	0	101.1	502.5	0.60	02/23/2024
Silver		1.0		49.0	50.00	0.1068	97.8	48.62	0.83	02/23/2024
Thallium		2.0		240	250.0	1.200	95.3	237.0	1.09	02/26/2024
Vanadium		5.0		466	500.0	0	93.2	472.1	1.33	02/23/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043 **SampType:** MS Units $\mu\text{g/L}$

SampID: 24020001-099CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2610	2000	622.2	99.5	75	125	02/24/2024
Antimony		1.0		554	500.0	0.7012	110.7	75	125	02/24/2024
Arsenic		1.0		578	500.0	0.9453	115.5	75	125	02/24/2024
Barium		1.0		2200	2000	56.51	107.1	75	125	02/24/2024
Beryllium		1.0		54.6	50.00	0	109.2	75	125	02/24/2024
Boron		25.0		522	500.0	0	104.3	75	125	02/24/2024
Cadmium		1.0		53.4	50.00	0	106.8	75	125	02/24/2024
Chromium		1.5		206	200.0	2.144	101.9	75	125	02/26/2024
Cobalt		1.0		505	500.0	0.6345	100.8	75	125	02/24/2024
Copper		1.0		261	250.0	1.091	103.8	75	125	02/26/2024
Iron		25.0	B	2790	2000	804.0	99.2	75	125	02/26/2024
Lead		1.0		548	500.0	1.124	109.4	75	125	02/24/2024
Lithium	*	3.0		501	500.0	5.982	99.1	75	125	02/24/2024
Manganese		2.0		645	500.0	173.6	94.3	75	125	02/24/2024
Molybdenum		1.5		488	500.0	0.6175	97.5	75	125	02/24/2024
Nickel		1.0		503	500.0	1.369	100.3	75	125	02/24/2024
Selenium		1.0		529	500.0	2.047	105.4	75	125	02/26/2024
Silver		1.0		50.6	50.00	0	101.2	75	125	02/24/2024
Thallium		2.0		252	250.0	0	100.8	75	125	02/26/2024
Vanadium		5.0		515	500.0	0	102.9	75	125	02/24/2024
Zinc		15.0		533	500.0	7.417	105.1	75	125	02/24/2024



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		2350	2000	622.2	86.5	2613	10.50	02/24/2024
Antimony		1.0		476	500.0	0.7012	95.0	554.0	15.24	02/24/2024
Arsenic		1.0		515	500.0	0.9453	102.8	578.3	11.60	02/24/2024
Barium		1.0		1930	2000	56.51	93.7	2199	12.98	02/24/2024
Beryllium		1.0		47.8	50.00	0	95.6	54.59	13.31	02/24/2024
Boron		25.0		457	500.0	0	91.4	521.6	13.26	02/24/2024
Cadmium		1.0		46.1	50.00	0	92.2	53.40	14.71	02/24/2024
Chromium		1.5		206	200.0	2.144	102.0	206.0	0.05	02/26/2024
Cobalt		1.0		437	500.0	0.6345	87.3	504.7	14.30	02/24/2024
Copper		1.0		252	250.0	1.091	100.5	260.6	3.21	02/26/2024
Iron		25.0	B	2960	2000	804.0	107.6	2788	5.85	02/26/2024
Lead		1.0		466	500.0	1.124	92.9	548.1	16.26	02/24/2024
Lithium	*	3.0		442	500.0	5.982	87.2	501.2	12.58	02/24/2024
Manganese		2.0		581	500.0	173.6	81.5	644.9	10.38	02/24/2024
Molybdenum		1.5		444	500.0	0.6175	88.7	488.1	9.46	02/24/2024
Nickel		1.0		470	500.0	1.369	93.6	502.7	6.81	02/24/2024
Selenium		1.0		524	500.0	2.047	104.5	528.9	0.86	02/26/2024
Silver		1.0		48.1	50.00	0	96.1	50.58	5.10	02/24/2024
Thallium		2.0		258	250.0	0	103.3	252.0	2.49	02/26/2024
Vanadium		5.0		464	500.0	0	92.8	514.6	10.31	02/24/2024
Zinc		15.0		473	500.0	7.417	93.2	533.1	11.89	02/24/2024



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219088 SampType: MBLK Units µg/L
SampID: MBLK-219088

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	02/23/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/23/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/23/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/23/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/23/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/23/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/23/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/23/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/23/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	02/23/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/23/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/23/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/23/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/23/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/23/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/23/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	02/23/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/23/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/23/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219088 SampType: LCS Units µg/L

SampID: LCS-219088

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1870	2000	0	93.4	80	120	02/23/2024
Antimony		1.0		493	500.0	0	98.7	80	120	02/23/2024
Arsenic		1.0		508	500.0	0	101.7	80	120	02/23/2024
Barium		1.0		1970	2000	0	98.3	80	120	02/23/2024
Beryllium		1.0		46.8	50.00	0	93.5	80	120	02/23/2024
Boron		25.0		447	500.0	0	89.4	80	120	02/23/2024
Cadmium		1.0		47.8	50.00	0	95.6	80	120	02/23/2024
Chromium		1.5		180	200.0	0	90.1	80	120	02/23/2024
Cobalt		1.0		460	500.0	0	92.0	80	120	02/23/2024
Copper		1.0		236	250.0	0	94.5	80	120	02/23/2024
Iron		25.0		1860	2000	0	92.8	80	120	02/23/2024
Lead		1.0		483	500.0	0	96.6	80	120	02/23/2024
Lithium	*	3.0		442	500.0	0	88.5	80	120	02/23/2024
Manganese		2.0		470	500.0	0	94.1	80	120	02/23/2024
Molybdenum		1.5		451	500.0	0	90.3	80	120	02/23/2024
Nickel		1.0		454	500.0	0	90.7	80	120	02/23/2024
Selenium		1.0		501	500.0	0	100.3	80	120	02/23/2024
Silver		1.0		47.0	50.00	0	94.1	80	120	02/23/2024
Thallium		2.0		236	250.0	0	94.4	80	120	02/26/2024
Vanadium		5.0		458	500.0	0	91.7	80	120	02/23/2024
Zinc		15.0		478	500.0	0	95.7	80	120	02/23/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219088		SampType: MS		Units µg/L							Date
SampID: 24020001-103CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		1830	2000	15.68	90.8	75	125	02/23/2024	
Antimony		1.0		482	500.0	0	96.4	75	125	02/23/2024	
Arsenic		1.0		533	500.0	0.7936	106.5	75	125	02/23/2024	
Barium		1.0		1920	2000	0	96.1	75	125	02/23/2024	
Beryllium		1.0		50.2	50.00	0	100.4	75	125	02/23/2024	
Boron		25.0		530	500.0	125.9	80.7	75	125	02/23/2024	
Cadmium		1.0		48.1	50.00	0	96.1	75	125	02/23/2024	
Chromium		1.5		183	200.0	0.8238	91.0	75	125	02/23/2024	
Cobalt		1.0		473	500.0	0	94.5	75	125	02/23/2024	
Copper		1.0		248	250.0	0.7189	98.8	75	125	02/23/2024	
Iron		25.0		2140	2000	46.43	104.6	75	125	02/26/2024	
Lead		1.0		480	500.0	6.718	94.6	75	125	02/23/2024	
Lithium	*	3.0		481	500.0	0	96.2	75	125	02/23/2024	
Manganese		2.0		491	500.0	2.934	97.6	75	125	02/23/2024	
Molybdenum		1.5		441	500.0	0.8925	88.0	75	125	02/23/2024	
Nickel		1.0		478	500.0	29.09	89.8	75	125	02/23/2024	
Selenium		1.0		501	500.0	0	100.2	75	125	02/23/2024	
Silver		1.0		53.3	50.00	0	106.5	75	125	02/23/2024	
Thallium		2.0		243	250.0	0	97.1	75	125	02/26/2024	
Vanadium		5.0		468	500.0	0	93.5	75	125	02/23/2024	



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219088	SampType: MSD				Units $\mu\text{g/L}$			RPD Limit: 20			
SampID: 24020001-103CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		25.0		2070	2000	15.68	102.5	1832	12.05	02/23/2024	
Antimony		1.0		496	500.0	0	99.2	481.8	2.87	02/23/2024	
Arsenic		1.0		516	500.0	0.7936	103.1	533.3	3.21	02/23/2024	
Barium		1.0		1980	2000	0	99.1	1922	3.09	02/23/2024	
Beryllium		1.0		51.5	50.00	0	102.9	50.22	2.46	02/23/2024	
Boron		25.0		512	500.0	125.9	77.3	529.6	3.30	02/23/2024	
Cadmium		1.0		47.8	50.00	0	95.6	48.07	0.59	02/23/2024	
Chromium		1.5		197	200.0	0.8238	98.3	182.9	7.62	02/23/2024	
Cobalt		1.0		478	500.0	0	95.6	472.5	1.16	02/23/2024	
Copper		1.0		243	250.0	0.7189	96.7	247.8	2.13	02/23/2024	
Iron		25.0		2240	2000	46.43	109.8	2138	4.77	02/26/2024	
Lead		1.0		473	500.0	6.718	93.2	479.8	1.48	02/23/2024	
Lithium	*	3.0		480	500.0	0	95.9	481.0	0.30	02/23/2024	
Manganese		2.0		485	500.0	2.934	96.4	491.1	1.23	02/23/2024	
Molybdenum		1.5		434	500.0	0.8925	86.6	441.1	1.64	02/23/2024	
Nickel		1.0		475	500.0	29.09	89.2	478.2	0.65	02/23/2024	
Selenium		1.0		494	500.0	0	98.9	500.8	1.30	02/23/2024	
Silver		1.0		50.1	50.00	0	100.1	53.26	6.19	02/23/2024	
Thallium		2.0		248	250.0	0	99.2	242.9	2.08	02/26/2024	
Vanadium		5.0		464	500.0	0	92.7	467.6	0.85	02/23/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219115		SampType: MS		Units µg/L							Date Analyzed
SampID: 24020001-015CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		533	500.0	20.21	102.6	75	125	03/04/2024	

Batch 219115		SampType: MSD		Units µg/L			RPD Limit: 20				Date Analyzed
SampID: 24020001-015CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Boron		25.0		496	500.0	20.21	95.1	533.2	7.30	03/04/2024	

Batch 219115		SampType: MS		Units µg/L							Date Analyzed
SampID: 24020001-071BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		1930	500.0	1398	105.4	75	125	03/04/2024	
Lithium	*	3.0		539	500.0	4.558	106.9	75	125	03/04/2024	

Batch 219115		SampType: MSD		Units µg/L			RPD Limit: 20				Date Analyzed
SampID: 24020001-071BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Boron		25.0		1800	500.0	1398	80.3	1925	6.76	03/04/2024	
Lithium	*	3.0		541	500.0	4.558	107.2	538.9	0.33	03/04/2024	

Batch 219117		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-219117											
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	02/28/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/28/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/28/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/28/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/28/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	02/28/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		25.0	S	16900	500.0	16010	180.1	16880	0.16	03/01/2024

Batch 219241 SampType: MBLK Units µg/L

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	02/28/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/28/2024
Lead		1.0	S	17.4	0.6000	0	2908	-100	100	03/01/2024
Nickel		1.0	S	68.4	0.4300	0	15900	-100	100	03/01/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/28/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/28/2024
Zinc		15.0	S	867	5.900	0	14690	-100	100	03/01/2024

Batch 219241 SampType: LCS Units µg/L

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		100		53500	50000	0	107.0	80	120	02/28/2024
Arsenic		100		55000	50000	0	110.1	80	120	03/01/2024
Lead		100	B	53000	50000	0	106.1	80	120	03/01/2024
Nickel		100	BS	63500	50000	0	127.1	80	120	03/01/2024
Selenium		100		51800	50000	0	103.6	80	120	02/28/2024
Zinc		1500	BS	214000	50000	0	428.5	80	120	03/01/2024

Batch 219241 SampType: MS Units µg/L

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		1.0	B	463	500.0	0	92.6	75	125	03/01/2024
Nickel		1.0	B	485	500.0	0	97.0	75	125	03/01/2024
Zinc		15.0	B	488	500.0	0	97.7	75	125	03/01/2024

Batch 219241 SampType: MSD Units µg/L

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead		1.0	B	440	500.0	0	88.0	463.2	5.12	03/01/2024
Nickel		1.0	B	465	500.0	0	92.9	484.8	4.24	03/01/2024
Zinc		15.0	B	476	500.0	0	95.2	488.3	2.59	03/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Zinc		15.0	B	516	500.0	0	103.2	75	125	03/01/2024

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Zinc		15.0	B	488	500.0	0	97.6	516.1	5.57	03/01/2024

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	03/04/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	03/04/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	03/04/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	03/04/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	03/04/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	03/04/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	03/04/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	03/04/2024
Copper		1.0	S	1.2	0.2980	0	415.7	-100	100	03/04/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	03/04/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	03/04/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	03/04/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	03/04/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	03/04/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	03/06/2024
Nickel		1.0	S	1.8	0.4300	0	428.5	-100	100	03/04/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	03/04/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	03/04/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	03/04/2024
Zinc		15.0	S	22.1	5.900	0	375.0	-100	100	03/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 7470A (DISSOLVED)

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		5.05	5.000	0	101.0	75	125	02/19/2024

Batch 218860 SampType: MSD Units µg/L RPD Limit: 15
 SampID: 24020001-014CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		4.83	5.000	0	96.7	5.050	4.37	02/19/2024

Batch 219164 SampType: MS Units µg/L
 SampID: 24020001-097DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.68	5.000	0	93.5	75	125	02/29/2024

Batch 219164 SampType: MSD Units µg/L RPD Limit: 15
 SampID: 24020001-097DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		4.32	5.000	0	86.4	4.675	7.96	02/29/2024

SW-846 7470A (TOTAL)

Batch 218203 SampType: MS Units µg/L
 SampID: 24020001-094BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		5.00	5.000	0	100.0	75	125	02/22/2024

Batch 218203 SampType: MSD Units µg/L RPD Limit: 15
 SampID: 24020001-094BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		5.28	5.000	0	105.5	4.999	5.39	02/22/2024

Batch 218747 SampType: MBLK Units µg/L
 SampID: MBLK-218747

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	02/15/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 218747 SampType: LCS Units µg/L
 SampID: LCS-218747

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.39	5.000	0	87.9	85	115	02/15/2024

Batch 218747 SampType: MS Units µg/L
 SampID: 24020001-028CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.79	5.000	0	95.9	75	125	02/15/2024

Batch 218747 SampType: MSD Units µg/L RPD Limit: 15
 SampID: 24020001-028CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		4.73	5.000	0	94.7	4.794	1.28	02/15/2024

Batch 218749 SampType: MBLK Units µg/L
 SampID: MBLK-218749

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	02/16/2024

Batch 218749 SampType: LCS Units µg/L
 SampID: LCS-218749

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.42	5.000	0	88.3	85	115	02/16/2024

Batch 218749 SampType: MS Units µg/L
 SampID: 24020001-039CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20	S	3.69	5.000	0	73.9	75	125	02/16/2024

Batch 218749 SampType: MSD Units µg/L RPD Limit: 15
 SampID: 24020001-039CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20	S	3.52	5.000	0	70.4	3.694	4.84	02/16/2024

Batch 218799 SampType: MBLK Units µg/L
 SampID: MBLK-218799

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	02/16/2024



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 218799 **SampType:** LCS Units µg/L

SampleID: LCS-218799

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.63	5.000	0	92.5	85	115	02/16/2024

Batch 218799 **SampType:** MS Units µg/L

SampleID: 24020001-036CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.25	5.000	0	85.0	75	125	02/16/2024

Batch 218799 **SampType:** MSD Units µg/L

SampleID: 24020001-036CMSD

RPD Limit: 15

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		4.38	5.000	0	87.7	4.249	3.14	02/16/2024

Batch 218860 **SampType:** MBLK Units µg/L

SampleID: MBLK-218860

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	02/19/2024

Batch 218860 **SampType:** LCS Units µg/L

SampleID: LCS-218860

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		5.18	5.000	0	103.6	85	115	02/19/2024

Batch 218860 **SampType:** MS Units µg/L

SampleID: 24020001-031CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		5.18	5.000	0	103.6	75	125	02/19/2024

Batch 218860 **SampType:** MSD Units µg/L

SampleID: 24020001-031CMSD

RPD Limit: 15

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		5.26	5.000	0	105.1	5.180	1.44	02/19/2024

Batch 218877 **SampType:** MBLK Units µg/L

SampleID: MBLK-218877

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	02/20/2024



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 218877 **SampType: LCS** Units µg/L
SampleID: LCS-218877

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	02/20/2024

Batch 218877 **SampType: MS** Units µg/L
SampleID: 24020001-062BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.46	5.000	0	89.2	75	125	02/20/2024

Batch 218877 **SampType: MSD** Units µg/L RPD Limit: 15
SampleID: 24020001-062BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		4.44	5.000	0	88.8	4.459	0.43	02/20/2024

Batch 218877 **SampType: MS** Units µg/L
SampleID: 24020001-086CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.57	5.000	0	91.3	75	125	02/20/2024

Batch 218877 **SampType: MSD** Units µg/L RPD Limit: 15
SampleID: 24020001-086CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		4.64	5.000	0	92.9	4.567	1.66	02/20/2024

Batch 218967 **SampType: MBLK** Units µg/L
SampleID: MBLK-218967

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	02/21/2024

Batch 218967 **SampType: LCS** Units µg/L
SampleID: LCS-218967

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.80	5.000	0	95.9	85	115	02/21/2024

Batch 218967 **SampType: MS** Units µg/L
SampleID: 24020001-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		4.27	5.000	0	85.3	75	125	02/21/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch	218967	SampType:	MSD	Units µg/L			RPD Limit: 15				
SampID: 24020001-025CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.51	5.000	0	90.1	4.266	5.47	02/21/2024	

Batch	218967	SampType:	MS	Units µg/L							
SampID: 24020001-042CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.60	5.000	0	92.1	75	125	02/21/2024	

Batch	218967	SampType:	MSD	Units µg/L			RPD Limit: 15				
SampID: 24020001-042CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.65	5.000	0	93.1	4.605	1.08	02/21/2024	

Batch	218998	SampType:	MBLK	Units µg/L							
SampID: MBLK-218998											
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	02/22/2024	

Batch	218998	SampType:	LCS	Units µg/L							
SampID: LCS-218998											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.87	5.000	0	97.4	85	115	02/22/2024	

Batch	218998	SampType:	MS	Units µg/L							
SampID: 24020001-061BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.24	5.000	0	104.8	75	125	02/22/2024	

Batch	218998	SampType:	MSD	Units µg/L			RPD Limit: 15				
SampID: 24020001-061BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		5.03	5.000	0	100.7	5.238	4.00	02/22/2024	

Batch	219103	SampType:	MBLK	Units µg/L							
SampID: MBLK-219103											
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	02/23/2024	

Quality Control Results<http://www.teklabinc.com/>

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 219103		SampType: LCS			Units µg/L						
SampID: LCS-219103											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.52	5.000	0	90.3	85	115	02/23/2024	

Batch 219103		SampType: MS			Units µg/L						
SampID: 24020001-055BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.01	5.000	0	80.1	75	125	02/23/2024	

Batch 219103		SampType: MSD			Units µg/L						
SampID: 24020001-055BMSSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		4.19	5.000	0	83.9	4.006	4.57	02/23/2024	

RPD Limit: 15

Batch 219164		SampType: MBLK			Units µg/L						
SampID: MBLK-219164											
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	02/29/2024	

Batch 219164		SampType: LCS			Units µg/L						
SampID: LCS-219164											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.89	5.000	0	97.9	85	115	02/29/2024	

Batch 219289		SampType: MBLK			Units µg/L						
SampID: MBLK-219289											
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	02/29/2024	

Batch 219289		SampType: LCS			Units µg/L						
SampID: LCS-219289											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.99	5.000	0	99.7	85	115	02/29/2024	

Batch 219289		SampType: MS			Units µg/L						
SampID: 24020001-052CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	2.72	5.000	0	54.4	75	125	02/29/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 219289		SampType: MSD		Units µg/L			RPD Limit: 15				
SampID: 24020001-052CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20	S	2.54	5.000	0	50.8	2.721	6.96	02/29/2024	

Batch 219289		SampType: MS		Units µg/L							
SampID: 24020001-053CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.79	5.000	0	95.9	75	125	02/29/2024	

Batch 219289		SampType: MSD		Units µg/L			RPD Limit: 15				
SampID: 24020001-053CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		5.10	5.000	0	102.0	4.794	6.16	02/29/2024	

Batch 219476		SampType: MBLK		Units µg/L							
SampID: MBLK-219476											
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	03/05/2024	

Batch 219476		SampType: LCS		Units µg/L							
SampID: LCS-219476											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.90	5.000	0	98.0	85	115	03/05/2024	

Batch 219476		SampType: MS		Units µg/L							
SampID: 24020001-102CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.52	5.000	0	110.5	75	125	03/05/2024	

Batch 219476		SampType: MSD		Units µg/L			RPD Limit: 15				
SampID: 24020001-102CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		5.16	5.000	0	103.1	5.525	6.91	03/05/2024	

Batch 219495		SampType: MBLK		Units µg/L							
SampID: MBLK-219495											
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	03/11/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

SW-846 7470A (TOTAL)

Batch 219495		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-219495											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.38	5.000	0	87.5	85	115	03/11/2024	

Batch 219495		SampType: MS		Units µg/L							Date Analyzed
SampID: 24030573-001BMS											
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	75	125	03/11/2024	

Batch 219495		SampType: MSD		Units µg/L							RPD Limit: 15	Date Analyzed
SampID: 24030573-001BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Mercury		0.20		4.91	5.000	0	98.3	4.960	0.93	03/11/2024		



Receiving Check List

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

Carrier: Justin Colp

Received By: LEH

Completed by:

Amber Dilallo

Reviewed by:

Ellie Hopkins

On:

14-Feb-24

Amber Dilallo

On:

22-Feb-24

Ellie Hopkins

Pages to follow:

Chain of custody

33

Extra pages included

0

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 9.1
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input checked="" type="checkbox"/>	Lab <input type="checkbox"/>	NA <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Any No responses must be detailed below or on the COC.

pH strip #90719. Additional Nitric Acid (94914) was needed in G313, G314, G314D, and G316 upon arrival at the laboratory. One G216 container was not provided - notified field crew. - DS/amberdilallo - 2/14/2024 10:42:41 AM

Samples received 2/14/24 at 1655 (4.7c on ice LTG 7). Additional Nitric Acid (94914) was needed in G303 and G307 upon arrival at the laboratory. pH strip #89660/90719. - amberdilallo - 2/15/2024 9:24:02 AM

Samples received 2/15/24 at 1600 (8.1c on ice LTG 5). Additional Sodium Hydroxide (95443) was needed in G278 upon arrival at the laboratory. pH strip #89660/90719. The missing G216 container was received. - LH/amberdilallo - 2/16/2024 10:17:36 AM

Samples received 2/16/24 at 1221 (5.5c on ice LTG 5). Additional Nitric Acid (94914) was needed in G206D, G308, and XPW02 upon arrival at the laboratory. pH strip #89660/90719. - LH/amberdilallo - 2/16/2024 3:20:59 PM

Samples were received on 2/19/24 at 1640 on ice [8.5C - LTG5]. Additional Nitric Acid (96331) was needed in G270 and G275D upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in G153 upon arrival at the laboratory. pH strip #89660/90719. - LH/amberdilallo - 2/20/2024 8:40:57 AM

Samples were received on 2/20/24 at 1635 (on ice - 11.1C - LTG#7. Additional Nitric Acid (96331) was needed in G276, G284, G410, G411, R201, and R201 Duplicate upon arrival at the laboratory. Additional Sodium Hydroxide (95443) was needed in G407, R201, and R201 Duplicate upon arrival at the laboratory. Additional Sulfuric Acid (94915) was needed in R201 and R201 Duplicate upon arrival at the laboratory. - LM/nickreed - 2/20/2024 5:06:51 PM

Samples were received on 2/21/24 at 1635 (on ice - 10.3C - LTG#5. Additional Nitric Acid (96331) was needed in G283, G401, G402, G405, G406,



Receiving Check List

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 08-Apr-24

and NE Riser upon arrival at the laboratory. Additional Sodium Hydroxide was needed in G401 and G402 upon arrival at the laboratory. pH strip #90719/89660. - nickreed - 2/21/2024 6:32:49 PM

Equipment Blank 1 was filtered and preserved with HNO₃ (96331), H₂SO₄ (94915) and left unpreserved for the dissolved parameters upon arrival at the laboratory. Sample was not filtered in the field for DOC; no unpreserved glass container was provided. DOC will be reported from the non-filtered container. - FB/AMD/ehurley - 2/22/2024 1:29:39 PM

Samples were received on 2/22/24 at 1300 on ice - 15.4C - LTG7. Additional Nitric Acid (96331) was needed in L202 and L203 upon arrival at the laboratory. pH strip #90719. - DS/amberdilallo - 2/22/2024 2:54:11 PM

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 CIP Lane Coffeen, IL 60017 Email To: Brian.Voelkel@VistraCorp.com Phone: (217) 753-8911 Requested Due Date/T: 10 day		Section B Required Project Information: Report To: Brian Voelkel 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 #: REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
---	--	---	--	--	--

ITEM #	Section D Required Client Info: (A-Z) Sample IDs MUST BE VISIBLE DRINKING WATER DW WATER WWT WATER WASTE WW WATER PRODUCT WWP SOLID SOLID CS WPE AR AR OT TS OTHER TISSUE	MATERIAL CODES (see valid codes to left)		COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.			
		MATRIX CODE (G=GRAB C=COMP)	SAMPLE TYPE (G=GRAB C=COMP)	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
1	G411	WT	G			4	1	2	1																					24020001-081
2	L201	WT	G			2	1	1									X												24020001-082	
3	L202	WT	G			2	1	1									X												24020001-083	
4	L203	WT	G			2	1	1									X												24020001-084	
5	NE Riser	WT	G			2	1	1								X						X							24020001-085	
6	R104	WT	G			7	2	2	2		1						X							X					24020001-086	
7	R201	WT	G			6	2	1	2		1						X					X				X			24020001-087	
8	R205	WT	G			6	2	1	2		1														X				24020001-088	
9	SG-02	WT	G			0							X	X				X	X										24020001-089	
10	SG-03	WT	G			0							X	X				X	X										24020001-090	
11	T127	WT	G			6	2	1	2		1					X	X												24020001-091	
12	T128	WT	G			5	2	1	1		1						X												24020001-092	
13	X201	WT	G			2	1	1							X								X						24020001-093	
14	XPW01	WT	G			2	1	1					X					X											24020001-094	
15	XPW02	WT	G			2	1	1					X					X											24020001-095	
16	XSG-01	WT	G			0							X					X											24020001-096	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																				
COF-24Q1 Rev 1		<i>Jason Stuckey</i>		2/16/24	12:27	<i>Tracy Carroll</i>		2/16/24	12:11	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: <i>Tracy Carroll</i>						
SIGNATURE of SAMPLER: <i>Tracy Carroll</i>		DATE Signed (MM/DD/YY): <i>2/16/24</i>				

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **2** of **7**

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey
Address: 134 CIP	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp
Coffee, 7	John Romang - John.Romang@vistracorp.com Scott Bel. Michael.Bel@vistracorp.com	Address: see Section A
Email To: Brian Voelker	Purchase Order No.:	Quote Reference:
Phone: (217) 753-89	Project Name:	Project Manager:
Requested Due Date/T	Project Number: 2285	Profile #:

REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location		IL
STATE:		

ITEM #	MATRIX	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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	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
1	G122	WT	G			5	2	1	1	1																	24020001-017
2	G123	WT	G			5	2	1	1	1																	24020001-018
3	G124	WT	G			5	2	1	1	1																	24020001-019
4	G125	WT	G			6	2	1	2	1							X	X									24020001-020
5	G126	WT	G			5	2	1	1	1							X										24020001-021
6	G151	WT	G	2-19-24	0911	4	2		1	1															X		24020001-022
7	G152	WT	G	2-19-24	1109	4	2		1	1															X		24020001-023
8	G153	WT	G	2-19-24	1009	4	2		1	1															X		24020001-024
9	G154	WT	G	2-19-24	0948	5	2		2	1														X	X		24020001-025
10	G155	WT	G			4	2		1	1															X		24020001-026
11	G200	WT	G			6	2	1	2	1											X						24020001-027
12	G206	WT	G			6	2	1	2	1											X				X		24020001-028
13	G206D	WT	G			2	1		1																X		24020001-029
14	G207	WT	G			6	2	1	2	1															X		24020001-030
15	G208	WT	G			6	2	1	2	1															X		24020001-031
16	G209	WT	G			6	2	1	2	1															X		24020001-032

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-1 Rev 1	J. Colp	2-19	1640	Justin Colp	2/19/24	1140	8.5 10.5

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	<i>Justin Colp</i>		DATE Signed (MM/DD/YY):
			2-19-24

#190719/89460
 added HNO₃(96331) to G270, G275D
 NaOH(95443) to G153

lt 2/20/24

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: 4 of 7										
Company: Vistra Coffee		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> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER
REGULATORY AGENCY																
NPDES	GROUND WATER	DRINKING WATER														
UST	RCRA	OTHER														
Address: 134 CIP		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp												
Coffeeen, 6017		John Romang - John.Romang@vistracorp.com		Address: see Section A												
Email To: Brian Voelker@vistracorp.com		Purchase Order No.:		Quote Reference:		<table border="1"> <tr><td align="center" colspan="2">Site Location</td></tr> <tr><td align="center" colspan="2">STATE: IL</td></tr> </table>		Site Location		STATE: IL						
Site Location																
STATE: IL																
Phone: (217) 753-89		Project Name:		Project Manager:												
Requested Due Date/T		Project Number: 2285		Profile #:												

ITEM #	Section D Required Client Info	Vend Matrix Codes MATRIX DRINKING WATER OW WATER WT WASTE WW WATER P WATER PRODUCT SL SOL/SOLID OL WF PE AR OT TS AIR OTHER TSS/LE	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								
1			G276	WT G			5	2	1	1	1					X											24020001-049	
2			G277	WT G			5	2	1	1	1						X											24020001-050
3			G278	WT G			5	2	1	1	1																	24020001-051
4			G279	WT G			5	2	1	1	1				X								X	X	X			24020001-052
5			G280	WT G			5	2	1	1	1				X		X						X	X	X			24020001-053
6			G281	WT G			4	1		2	1				X	X							X					24020001-054
7			G283	WT G			2	1		1							X											24020001-055
8			G284	WT G			2	1		1							X											24020001-056
9			G285	WT G			2	1		1						X												24020001-057
10			G301	WT G			2	1		1					X							X						24020001-058
11			G302	WT G			2	1		1					X							X						24020001-059
12			G303	WT G			2	1		1					X							X						24020001-060
13			G305	WT G			2	1		1					X							X						24020001-061
14			G306	WT G			2	1		1					X							X						24020001-062
15			G307	WT G			2	1		1					X							X						24020001-063
16			G307D	WT G			2	1		1					X							X						24020001-064

ADDI	REMARKS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS								
	COF-845-1 Rev 1	J. Colp	2-19	1640	Justin Colp	2/19/24	1640	Y								

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: [Signature]		DATE Signed (MM/DD/YYYY): 2-19-24				

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:		REGULATORY AGENCY		
Company: Vistra Corp	Report To: Brian Voelker	Attention: Jason Stuckey	Copy To: Sam Davies-samantha.davies@visstracorp.com	Company Name: Vistra Corp		NPDES	GROUND WATER	DRINKING WATER
Address: 134 CIP Lane	John Romang - John.Romang@visstracorp.com	Address: see Section A	Scott Bell: Michael.Bell@visstracorp.com	Quote Reference:	UST	RCRA	OTHER	
Coffee, IL 61817	Purchase Order No.:	Project Name:	Project Manager:	Project Profile #:	Site Location		IL	
Email To: Brian.Voelker@visstracorp.com		Project Number: 2285			STATE:			
Phone: (217) 753-8918								
Requested Due Date: 10 day								

Page: **6** of **7**

ITEM #	Section D Required Client Info	Valid Matrix Codes MATRIX DRAWING WATER DW WATER WT WASTE WP WATER PRODUCT SL SOL/SOLID OL WPE AR ARR CT OTHER TISSUE TS	MATRIX CODE (base valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE	TIME	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
1		G411	WT	G				4	1		2	1																	24020001-081
2		L201	WT	G				2	1		1																	24020001-082	
3		L202	WT	G				2	1		1																	24020001-083	
4		L203	WT	G				2	1		1																	24020001-084	
5		NE Riser	WT	G				2	1		1																	24020001-085	
6		R104	WT	G				7	2	2	2	1																24020001-086	
7		R201	WT	G				6	2	1	2	1																24020001-087	
8		R205	WT	G				6	2	1	2	1																24020001-088	
9		SG-02	WT	G				0																				24020001-089	
10		SG-03	WT	G				0																				24020001-090	
11		T127	WT	G				6	2	1	2	1																24020001-091	
12		T128	WT	G				5	2	1	1	1																24020001-092	
13		X201	WT	G				2	1		1																	24020001-093	
14		XPW01	WT	G	2/19/24	1048		2	1		1																	24020001-094	
15		XPW02	WT	G				2	1		1																	24020001-095	
16		XSG-01	WT	G				0																				24020001-096	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
COF- 401 Rev 1	<i>J Colp</i>	2-19	1040	<i>Jason Stuckey</i>	2/19/24	1040	Y	Z

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	<i>Justin Colp</i>	DATE Signed (MM/DD/YY):	2-19-24
SIGNATURE of SAMPLER:	<i>Justin Colp</i>		

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

Section A Required Client Information		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY		
Company: Vistra Corp	Address: 134 CIP Lane	Report To: Brian Voelker	Copy To: Sam Davies-samantha.davies@vistracorp.com	Attention: Jason Stuckey	Company Name: Vistra Corp	NPDES GROUND WATER DRINKING WATER		
Address: Coffeen, IL 61017	Email To: Brian Voelker@vistracorp.com	John Romang - John.Romang@vistracorp.com Scott Bell - Michael.Bell@vistracorp.com	Address: see Section A	Quote Reference:	UST RCRA OTHER			
Phone: (217) 753-8971	Requested Due Date: 10 day	Purchase Order No.:	Project Name:	Project Manager:	Site Location		IL	
			Project Number: 2285	Profile #:	STATE:			

ITEM #	Section D Required Client Information	Valid Matrix Codes	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.					
			COLLECTED		Preservatives												Analysis Test Y/N				
			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							
1	Field Blank	WT G				7	2	2	2	2		1									24020001-097
2	3102 Duplicate	WT G				7	2	2	2	2		1									24020001-098
3	3200 Duplicate	WT G				6	2	1	2	2		1									24020001-099
4	3273 Duplicate	WT G	2-19-24	1318		6	2	1	2	2		1					X				24020001-100
5	3301 Duplicate	WT G	2/19/24	1253		2	1		1										X		24020001-101
6	3201 Duplicate	WT G				6	2	1	2	2		1					X				24020001-102
7	Equipment Blank 1	WT G				7	2	2	2	2		1					X	X	X	X	24020001-103
8	Equipment Blank 2	WT G				7	2	2	2	2		1					X	X	X	X	24020001-104
9	Equipment Blank 3	WT G				7	2	2	2	2		1					X	X	X	X	24020001-105
10																					
11																					
12																					
13																					
14																					
15																					
16																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS					
COF-401 Rev 1	J. Colp	2-19	1670	Justin Colp	2/19/24	1140		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 Colp				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):				
	Justin Colp	2-19-24			

24020001

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 - 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		Quote Reference:			UST RCRA OTHER					
Phone: (217) 753-8911	Fax:	Project Name:		Project Manager:			Site Location		IL		
Requested Due Date/TAP: 10 day	Project Number: 2285		Profile #:			STATE:					

ITEM #	Section D Required Client Information	Matrix Code	MATRIX DRINKING WATER DW WATER WW WASTE P WATER PRODUCT SL SOL/SOLID	COLLECTED DATE TIME	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 ₅	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	Field Blank	WT	G			7	2	2	2	1				X	X	X	X	X	X	X	X	X	X	X		24020001-097				
2	G102 Duplicate	WT	G			7	2	2	2	1					X	X										24020001-098				
3	G200 Duplicate	WT	G			6	2	1	2	1					X	X						X	X			24020001-099				
4	G273 Duplicate	WT	G			6	2	1	2	1					X						X	X				24020001-100				
5	G301 Duplicate	WT	G			2	1		1				X				X									24020001-101				
6	R201 Duplicate	WT	G		7-20-24	1405	6	2	1	2	1				X	X						X	X			24020001-102				
7	Equipment Blank 1	WT	G			7	2	2	2	1			X	X	X	X	X	X	X	X	X	X	X	X		24020001-103				
8	Equipment Blank 2	WT	G			7	2	2	2	1			X	X	X	X	X	X	X	X	X	X	X	X		24020001-104				
9	Equipment Blank 3	WT	G			7	2	2	2	1			X	X	X	X	X	X	X	X	X	X	X	X		24020001-105				
10-16																														

ADDITIONAL COMMENTS COF-24Q1 Rev 1	RELINQUISHED BY / AFFILIATION J. Colp	DATE 7-20	TIME 1635	ACCEPTED BY / AFFILIATION Justin Colp	DATE 7-20-24	TIME 1635	SAMPLE CONDITIONS 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: Justin Colp				SIGNATURE of SAMPLER: <i>Justin Colp</i>							

March 22, 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-24Q1

WorkOrder: 24020002

Dear Eric Bauer:

TEKLAB, INC received 59 samples on 2/22/2024 1:00:00 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: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-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	66
Receiving Check List	68
Chain of Custody	Appended



Definitions

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-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: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Cooler Receipt Temp: 9.1 °C

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

Equipment Blanks 2 and 3 were not required.

G301 Duplicate will be reported as collected at 1203 per field file(s). EAH 2/27/24

Ra226/228 analyses were performed by Eurofins-St. Louis. See attached report 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
Client Project: COF-24Q1

Work Order: 24020002
Report Date: 22-Mar-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	4/30/2024	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		3/14/2024	Collinsville
Illinois	IDPH	17584		5/31/2025	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2025	Collinsville
Missouri	MDNR	00930		10/31/2026	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-001

Client Sample ID: G1001

Matrix: GROUNDWATER

Collection Date: 02/15/2024 13:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:33	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-002

Client Sample ID: G151

Matrix: GROUNDWATER

Collection Date: 02/19/2024 9:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:33	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020002
Report Date: 22-Mar-24

Lab ID: 24020002-003

Client Sample ID: G152

Matrix: GROUNDWATER

Collection Date: 02/19/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:33	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-004

Client Sample ID: G153

Matrix: GROUNDWATER

Collection Date: 02/19/2024 10:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:33	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-005

Client Sample ID: G154

Matrix: GROUNDWATER

Collection Date: 02/19/2024 9:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:33	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-006
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G155
Collection Date: 02/16/2024 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:27	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-007
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G200
Collection Date: 02/21/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:27	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-008
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G206
Collection Date: 02/13/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:27	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-009

Client Sample ID: G206D

Matrix: GROUNDWATER

Collection Date: 02/16/2024 9:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:27	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-010
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G209
Collection Date: 02/13/2024 10:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:27	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-011
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G212
Collection Date: 02/14/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:27	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-012
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G213
Collection Date: 02/14/2024 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	03/12/2024 12:27	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-013
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G215
Collection Date: 02/13/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:28	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-014
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G217
Collection Date: 02/13/2024 12:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:28	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-015
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G218
Collection Date: 02/13/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/12/2024 12:28	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-016
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G270
Collection Date: 02/19/2024 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	03/15/2024 12:09	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-017
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G271
Collection Date: 02/19/2024 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:09	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-018

Client Sample ID: G273

Matrix: GROUNDWATER

Collection Date: 02/19/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:09	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-019
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G275
Collection Date: 02/19/2024 14:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:10	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-020

Client Sample ID: G275D

Matrix: GROUNDWATER

Collection Date: 02/19/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:10	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-021
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G276
Collection Date: 02/20/2024 9:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:10	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-022
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G277
Collection Date: 02/20/2024 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	03/15/2024 12:10	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-023
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G279
Collection Date: 02/20/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:10	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-024
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G280
Collection Date: 02/20/2024 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	03/15/2024 12:10	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-025
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G281
Collection Date: 02/15/2024 14:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:10	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-026

Client Sample ID: G283

Matrix: GROUNDWATER

Collection Date: 02/21/2024 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	03/15/2024 12:11	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-027

Client Sample ID: G284

Matrix: GROUNDWATER

Collection Date: 02/20/2024 14:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:11	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-028

Client Sample ID: G285

Matrix: GROUNDWATER

Collection Date: 02/20/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:11	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-029

Client Sample ID: G301

Matrix: GROUNDWATER

Collection Date: 02/19/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:11	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-030
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G302
Collection Date: 02/19/2024 13:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:04	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-031
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G303
Collection Date: 02/14/2024 10:23

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:04	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-032

Client Sample ID: G305

Matrix: GROUNDWATER

Collection Date: 02/19/2024 14:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:04	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-033
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G306
Collection Date: 02/14/2024 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	03/15/2024 12:04	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-034
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G307
Collection Date: 02/14/2024 14:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:04	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-035
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G307D
Collection Date: 02/14/2024 13:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/15/2024 12:04	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-036
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G308
Collection Date: 02/16/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:22	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-037
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G310
Collection Date: 02/19/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:22	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-038
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G312
Collection Date: 02/19/2024 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:22	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-039
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G313
Collection Date: 02/13/2024 14:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:22	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-040
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G314
Collection Date: 02/13/2024 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	03/14/2024 12:22	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-041
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G314D
Collection Date: 02/13/2024 12:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:22	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-042
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G315
Collection Date: 02/14/2024 12:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:23	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-043
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G316
Collection Date: 02/13/2024 11:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:23	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-044

Client Sample ID: G401

Matrix: GROUNDWATER

Collection Date: 02/21/2024 12:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:23	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-045
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G402
Collection Date: 02/21/2024 13:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:23	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-046
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G403
Collection Date: 02/21/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:23	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-047

Client Sample ID: G404

Matrix: GROUNDWATER

Collection Date: 02/21/2024 10:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:23	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-048
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G405
Collection Date: 02/21/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:24	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-049
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G406
Collection Date: 02/21/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:24	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-050

Client Sample ID: G407

Matrix: GROUNDWATER

Collection Date: 02/20/2024 10:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:17	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-051
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G410
Collection Date: 02/20/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:17	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020002
Report Date: 22-Mar-24

Lab ID: 24020002-052

Client Sample ID: G411

Matrix: GROUNDWATER

Collection Date: 02/20/2024 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	03/14/2024 12:17	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-053

Client Sample ID: R201

Matrix: GROUNDWATER

Collection Date: 02/20/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:17	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-054

Client Sample ID: Field Blank

Matrix: AQUEOUS

Collection Date: 02/21/2024 15:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:17	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-055
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G200 Duplicate
Collection Date: 02/21/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/14/2024 12:17	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Lab ID: 24020002-056

Client Sample ID: G273 Duplicate

Matrix: GROUNDWATER

Collection Date: 02/19/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/13/2024 12:12	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-057
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G301 Duplicate
Collection Date: 02/19/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/13/2024 12:12	R344763



Laboratory Results

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-058
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: R201 Duplicate
Collection Date: 02/20/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/13/2024 12:12	R344763



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-059
Matrix: AQUEOUS

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: Equipment Blank 1
Collection Date: 02/21/2024 14:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	03/13/2024 12:12	R344763



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020002
Report Date: 22-Mar-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24020002-001	G1001	Groundwater	1	02/15/2024 13:23
24020002-002	G151	Groundwater	1	02/19/2024 9:11
24020002-003	G152	Groundwater	1	02/19/2024 11:09
24020002-004	G153	Groundwater	1	02/19/2024 10:09
24020002-005	G154	Groundwater	1	02/19/2024 9:48
24020002-006	G155	Groundwater	1	02/16/2024 10:37
24020002-007	G200	Groundwater	1	02/21/2024 9:03
24020002-008	G206	Groundwater	1	02/13/2024 11:44
24020002-009	G206D	Groundwater	1	02/16/2024 9:31
24020002-010	G209	Groundwater	1	02/13/2024 10:30
24020002-011	G212	Groundwater	1	02/14/2024 10:17
24020002-012	G213	Groundwater	1	02/14/2024 9:55
24020002-013	G215	Groundwater	1	02/13/2024 14:12
24020002-014	G217	Groundwater	1	02/13/2024 12:40
24020002-015	G218	Groundwater	1	02/13/2024 12:11
24020002-016	G270	Groundwater	1	02/19/2024 11:56
24020002-017	G271	Groundwater	1	02/19/2024 12:20
24020002-018	G273	Groundwater	1	02/19/2024 13:18
24020002-019	G275	Groundwater	1	02/19/2024 14:21
24020002-020	G275D	Groundwater	1	02/19/2024 14:05
24020002-021	G276	Groundwater	1	02/20/2024 9:21
24020002-022	G277	Groundwater	1	02/20/2024 9:40
24020002-023	G279	Groundwater	1	02/20/2024 10:25
24020002-024	G280	Groundwater	1	02/20/2024 11:10
24020002-025	G281	Groundwater	1	02/15/2024 14:22
24020002-026	G283	Groundwater	1	02/21/2024 10:11
24020002-027	G284	Groundwater	1	02/20/2024 14:26
24020002-028	G285	Groundwater	1	02/20/2024 13:18
24020002-029	G301	Groundwater	1	02/19/2024 12:03
24020002-030	G302	Groundwater	1	02/19/2024 13:27
24020002-031	G303	Groundwater	1	02/14/2024 10:23
24020002-032	G305	Groundwater	1	02/19/2024 14:56
24020002-033	G306	Groundwater	1	02/14/2024 11:35
24020002-034	G307	Groundwater	1	02/14/2024 14:58
24020002-035	G307D	Groundwater	1	02/14/2024 13:42
24020002-036	G308	Groundwater	1	02/16/2024 10:04
24020002-037	G310	Groundwater	1	02/19/2024 11:24
24020002-038	G312	Groundwater	1	02/19/2024 14:11
24020002-039	G313	Groundwater	1	02/13/2024 14:19



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020002
Report Date: 22-Mar-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24020002-040	G314	Groundwater	1	02/13/2024 13:11
24020002-041	G314D	Groundwater	1	02/13/2024 12:20
24020002-042	G315	Groundwater	1	02/14/2024 12:45
24020002-043	G316	Groundwater	1	02/13/2024 11:31
24020002-044	G401	Groundwater	1	02/21/2024 12:46
24020002-045	G402	Groundwater	1	02/21/2024 13:44
24020002-046	G403	Groundwater	1	02/21/2024 11:43
24020002-047	G404	Groundwater	1	02/21/2024 10:37
24020002-048	G405	Groundwater	1	02/21/2024 11:09
24020002-049	G406	Groundwater	1	02/21/2024 12:11
24020002-050	G407	Groundwater	1	02/20/2024 10:15
24020002-051	G410	Groundwater	1	02/20/2024 11:18
24020002-052	G411	Groundwater	1	02/20/2024 12:13
24020002-053	R201	Groundwater	1	02/20/2024 14:05
24020002-054	Field Blank	Aqueous	1	02/21/2024 15:03
24020002-055	G200 Duplicate	Groundwater	1	02/21/2024 9:03
24020002-056	G273 Duplicate	Groundwater	1	02/19/2024 13:18
24020002-057	G301 Duplicate	Groundwater	1	02/19/2024 12:03
24020002-058	R201 Duplicate	Groundwater	1	02/20/2024 14:05
24020002-059	Equipment Blank 1	Aqueous	1	02/21/2024 14:58



Receiving Check List

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

Client: Ramboll

Work Order: 24020002

Client Project: COF-24Q1

Report Date: 22-Mar-24

Carrier: Justin Colp

Received By: LEH

Completed by:

Reviewed by:

On:

14-Feb-24

Amber Dilallo

On:

22-Feb-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 9.1
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input checked="" type="checkbox"/>	Lab <input type="checkbox"/>	NA <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

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 <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input checked="" type="checkbox"/>
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Any No responses must be detailed below or on the COC.

pH strip #90719. Additional Nitric Acid (94914) was needed upon arrival at the laboratory for G313, G314, G314D and G316. - amberdilallo - 2/14/2024 9:32:12 AM

Samples received 2/14/24 at 1655 (4.7c on ice LTG 5). Additional Nitric Acid (94914) was needed in G303 and G307 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/15/2024 9:24:02 AM

Samples received 2/15/24 at 1600 (8.1c on ice LTG 5). Additional Nitric Acid (94914) was needed in G1001 and G281 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/19/2024 8:37:03 AM

Samples received 2/16/24 at 1221 (5.9c on ice LTG 5). pH strip #90719. - amberdilallo - 2/19/2024 8:32:02 AM

Samples were received on 2/19/24 at 1640 on ice [8.5C - LTG5]. Additional pNitric Acid (96331) was needed in G152, G153, G270, G275D, and G312 upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/20/2024 8:42:46 AM

Samples were received on 2/20/24 at 16:35 on ice [11.1C - LTG#7]. - nickreed - 2/20/2024 4:50:14 PM

G277, G279, G284, G285, G407, G410, G411, R201, R201 Dup were preserved Nitric Acid (96331) upon arrival at the laboratory. - nickreed - 2/20/2024 4:55:17 PM

Samples were received on 2/21/24 at 1635 on ice 10.3C - LTG5. Additional Nitric Acid (96331) was needed in all samples upon arrival at the laboratory. pH strip #90719. - amberdilallo - 2/22/2024 8:22:22 AM

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:		REGULATORY AGENCY		
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				
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		Quote Reference:		UST RCRA OTHER		
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location		
Requested Due Date/FAT: 10 day		Project Number: 2285		Profile #:		STATE: IL		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / .) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE	COLLECTED DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.		
							MATRIX TYPE (G=GRAB C=COMP)	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
1	AP2D	WT																									N/A
2	G1001	WT				2																					24020002-001
3	G1003	WT																									N/A
4	G101	WT																									N/A
5	G102	WT	2-14-24	1113												X	X										N/A
6	G103	WT	2-14-24	1150																							N/A
7	G105	WT	2-14-24	1213																							N/A
8	G106	WT	2-14-24	1258												X	X										N/A
9	G107	WT	2-14-24	1330																							N/A
10	G108	WT	2-14-24	1347																							N/A
11	G109	WT	2-14-24	1405																							N/A
12	G110	WT	2-14-24	1421												X	X										N/A
13	G111	WT																									N/A
14	G119	WT																									N/A
15	G120	WT														X	X										N/A
16	G121	WT																									N/A

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1		J. CDP		2-14	1655	[Signature]		2/14/24	1655	#5	(4)	Z	Y
Ra226/228, only										4.7			

Add HNO₃ (9494) to G303 & G307. pH v 90719. [Signature] 2/15/24

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 CDP				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	2-14-24		

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	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp		NPDES GROUND WATER DRINKING WATER	
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A		UST RCRA OTHER	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		STATE: IL	
Requested Due Date/FAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes	MATRIX CODE (see water center for help)	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		
1	G210	WT	G																															N/A
2	G211	WT	G		2-14-24	1046																												N/A
3	G212	WT	G		2-14-24	1017		2		2																								24020002-011
4	G213	WT	G		2-14-24	0955		2		2																								24020002-012
5	G214	WT	G																															N/A
6	G215	WT	G					2																										24020002-013
7	G216	WT	G																															N/A
8	G217	WT	G					2																										24020002-014
9	G218	WT	G					2		2																								24020002-015
10	G270	WT	G					2		2																								24020002-016
11	G271	WT	G					2		2																								24020002-017
12	G272	WT	G																															N/A
13	G273	WT	G					2		2																								24020002-018
14	G274	WT	G																															N/A
15	G275	WT	G					2		2																								24020002-019
16	G275D	WT	G					2		2																								24020002-020

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
COF-24Q1 Rev 1	J. Calp	2-14	1655	[Signature]	2/14/24	1655	Y	N	
Ra226/228, only									

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	JUSTIN CALP		
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	2-14-24

24020002

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	
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		NPDES GROUND WATER DRINKING WATER	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Duke 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 SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No. / Lab I.D.											
		MATRIX	CODE			DATE	TIME			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							
		DRINKING WATER	DW																																					
1	G276	WT	G					2	2																X						X	X				24020002-021				
2	G277	WT	G					2	2																	X					X	X				24020002-022				
3	G278	WT	G																														X			N/A				
4	G279	WT	G					2	2																	X		X	X							24020002-023				
5	G280	WT	G					2	2							X	X				X	X				X	X	X							24020002-024					
6	G281	WT	G					2	2							X	X				X	X				X									24020002-025					
7	G283	WT	G					2	2									X							X											24020002-026				
8	G284	WT	G					2	2									X							X											24020002-027				
9	G285	WT	G					2	2									X							X											24020002-028				
10	G301	WT	G					2	2						X					X																24020002-029				
11	G302	WT	G					2	2						X					X																24020002-030				
12	G303	WT	G			2/14/24	1023	2	2						X					X																24020002-031				
13	G305	WT	G					2	2						X					X																24020002-032				
14	G306	WT	G			2/14/24	1135	2	2						X					X																24020002-033				
15	G307	WT	G			2/14/24	1458	2	2						X					X																24020002-034				
16	G307D	WT	G			2/14/24	1342	2	2						X					X																24020002-035				
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																														
COF-24Q1 Rev 1		J. Galt		2-14	1655	[Signature]		2/14/24	11055	> z																														
Ra226/228, 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 GALT				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	2-14-24		

24020002

CHAIN-OF-CUSTODY / Analytical Request Document

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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		Company Name: Vistra Corp		
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp		NPDES GROUND WATER DRINKING WATER		
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A		UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location		IL
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		STATE:		
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:				

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.										
								MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	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-611-105	COF-845-101	COF-845-102	COF-845-103			COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106						
																																		DRINKING WATER DW	WATER WT	WASTE WATER WW	PRODUCT P	SOL-SOLID SL	OL
1	G308	WT	G				2		2																													24020002-036	
2	G310	WT	G				2		2																													24020002-037	
3	G312	WT	G				2		2																													24020002-038	
4	G313	WT	G				2		2																													24020002-039	
5	G314	WT	G				2		2																													24020002-040	
6	G314D	WT	G				2		2																													24020002-041	
7	G315	WT	G	2/14/24	1245		2		2																													24020002-042	
8	G316	WT	G				2		2																													24020002-043	
9	G401	WT	G				2		2																													24020002-044	
10	G402	WT	G				2		2																													24020002-045	
11	G403	WT	G				2		2																														24020002-046
12	G404	WT	G				2		2																														24020002-047
13	G405	WT	G				2		2																														24020002-048
14	G406	WT	G				2		2																														24020002-049
15	G407	WT	G				2		2																														24020002-050
16	G410	WT	G				2		2																														24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-14	1655	J. Romang	2/14/24	1655		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: [Signature]				
DATE Signed (MM/DD/YY): 2-14-24					

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:		REGULATORY AGENCY		
Company: Vistra Corp-Coffeeen		Report To: Brian Voelker		Attention: Jason Stuckey		Company Name: Vistra Corp		
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER		
Coffeeen, IL 62017		John Romang - John.Romang@vistracorp.com		Quote Reference:		UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Project Manager:		Site Location		IL
Phone: (217) 753-8911	Fax:	Project Name:		Project Number: 2285		STATE:		
Requested Due Date/TAT: 10 day								

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										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	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
1	G411	WT	G		2			2																			24020002-052
2	L201	WT	G											X													N/A
3	L202	WT	G											X													N/A
4	L203	WT	G											X													N/A
5	NE Riser	WT	G										X					X									N/A
6	R104	WT	G	2-14-24	1638											X						X					N/A
7	R201	WT	G			2		2						X	X				X				X				24020002-053
8	R205	WT	G	2-14-24	0922																	X					N/A
9	SG-02	WT	G											X	X												N/A
10	SG-03	WT	G											X	X												N/A
11	T127	WT	G												X	X											N/A
12	T128	WT	G												X												N/A
13	X201	WT	G											X								X					N/A
14	XPW01	WT	G											X								X					N/A
15	XPW02	WT	G											X								X					N/A
16	XSG-01	WT	G											X								X					N/A

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		
COF-24Q1 Rev 1		J. Colp		2-14	1655	[Signature]		2/14/24	1655			
Ra226/228, 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]				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	2-14-24		

24020002

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
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Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey	REGULATORY AGENCY		
Address: 134 CIPS Lane Coffeen, IL 62017	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	NPDES	GROUND WATER	DRINKING WATER
Email To: brian.voelker@VistraCorp.com	John Romang - John.Romang@vistracorp.com Scott Bell - Michael.Bell@vistracorp.com	Address: see Section A	UST	RCRA	OTHER
Phone: (217) 753-8911 Fax:	Purchase Order No.:	Quote Reference:	Site Location		
Requested Due Date/TAT: 10 day	Project Name:	Project Manager:	STATE: IL		
	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 VW PRODUCT P SOIL/SOLID SL OK OK 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				
1	Field Blank		WT	G				2		2					X	X	X	X	X	X	X	X		24020002-054
2	G102 Duplicate		WT	G	2-14-24	1113												X						N/A
3	G200 Duplicate		WT	G				2	2							X				X				24020002-055
4	G273 Duplicate		WT	G				2	2							X				X				24020002-056
5	G301 Duplicate		WT	G				2	2						X									24020002-057
6	R201 Duplicate		WT	G				2	2							X								24020002-058
7	Equipment Blank 1		WT	G				2	2						X	X	X	X	X	X	X	X	X	24020002-059
8	Equipment Blank 2		WT	G				2	2						X	X	X	X	X	X	X	X	X	24020002-060
9	Equipment Blank 3		WT	G				2	2						X	X	X	X	X	X	X	X	X	24020002-061

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-14	1655	Sam...	2/14/24	1655			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: Justin Colp				DATE Signed (MM/DD/YY): 2-14-24				
SIGNATURE of SAMPLER: <i>[Signature]</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:	
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	
City: Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Sport Belt- Michael.Belt@vistracorp.com		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Name:		Site Location	
		Project Number: 2285		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										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	Analysis Test(s)										Residual Chlorine (Y/N)		
																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	G122	WT G																									N/A	
2	G123	WT G																									N/A	
3	G124	WT G																									N/A	
4	G125	WT G																									N/A	
5	G126	WT G																									N/A	
6	G151	WT G					2		2																X		24020002-002	
7	G152	WT G					2		2																X		24020002-003	
8	G153	WT G					2		2																X		24020002-004	
9	G154	WT G					2		2																X	X	24020002-005	
10	G155	WT G					2		2																X		24020002-006	
11	G200	WT G					2		2																X	X	24020002-007	
12	G206	WT G		7-13-24	1144		2		2																X	X	24020002-008	
13	G206D	WT G					2		2																X		24020002-009	
14	G207	WT G																							X		N/A	
15	G208	WT G		7-13-24	1100																				X		N/A	
16	G209	WT G		7-13-24	1030		2		2																X	X	24020002-010	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	7-13	1640	Justin Colp	7-13	1640	9.1

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 Colp	[Signature]				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YYYY):				
[Signature]	7-13-24				

PAV 90719
Added HNO₃(949M)
to G313, G314,
G314D, G316
LTG7
LT# 2/14/24

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:	
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 Scott Bell - Michael.Bell@visstracorp.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	
		UST		RCRA	
				OTHER	
				Site Location	
				STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							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	[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
1	G210	WT	G	7-13-24	0948																						N/A
2	G211	WT	G																								N/A
3	G212	WT	G				2															X					24020002-011
4	G213	WT	G				2																	X			24020002-012
5	G214	WT	G	7-15-24	1437																				X		N/A
6	G215	WT	G		1412		2															X					24020002-013
7	G216	WT	G		1340																			X			N/A
8	G217	WT	G		1210		2																	X			24020002-014
9	G218	WT	G		1211		2																	X			24020002-015
10	G270	WT	G				2															X		X	X		24020002-016
11	G271	WT	G				2																X		X		24020002-017
12	G272	WT	G																						X		N/A
13	G273	WT	G				2																		X		24020002-018
14	G274	WT	G																						X		N/A
15	G275	WT	G				2																	X	X		24020002-019
16	G275D	WT	G				2																	X			24020002-020

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
COF-24Q1 Rev 1		J. Colp		7-13		1640		Justin Colp		7/13		1640		> z	
Ra226/228, only												9.1			

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 Colp	<i>[Signature]</i>				
DATE Signed (MM/DD/YYYY):					
2-13-24					

LT67

24020002

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:	
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			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 PIPE 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	
1	G308		WT	G				2									X																24020002-036
2	G310		WT	G				2									X																24020002-037
3	G312		WT	G				2									X																24020002-038
4	G313		WT	G		2-13-24	1419	2									X																24020002-039
5	G314		WT	G			1311	2									X																24020002-040
6	G314D		WT	G			1220	2									X																24020002-041
7	G315		WT	G				2									X																24020002-042
8	G316		WT	G		2-13-24	1131	2									X																24020002-043
9	G401		WT	G				2										X															24020002-044
10	G402		WT	G				2										X															24020002-045
11	G403		WT	G				2										X															24020002-046
12	G404		WT	G				2										X															24020002-047
13	G405		WT	G				2										X															24020002-048
14	G406		WT	G				2										X															24020002-049
15	G407		WT	G				2										X															24020002-050
16	G410		WT	G				2																									24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS																																
COF-24Q1 Rev 1	<i>J. Colp</i>	2-13	1640	<i>Jason Stuckey</i>	2-13	1640																																	
Ra226/228, only																																							

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: <i>Justin Cip</i>		DATE Signed (MM/DD/YY): <i>2-13-24</i>	
SIGNATURE of SAMPLER: <i>[Signature]</i>			

LTG7

24020002

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:	
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	
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 CODE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.													
								Preservatives																								
								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			
1	AP2D	WT	G															X														N/A
2	G1001	WT	G	2-15-24	1323		2			2							X								X							24020002-001
3	G1003	WT	G														X								X							N/A
4	G101	WT	G	2-15-24	1303																											N/A
5	G102	WT	G																		X	X						X				N/A
6	G103	WT	G																									X				N/A
7	G105	WT	G																									X				N/A
8	G106	WT	G																		X	X						X				N/A
9	G107	WT	G																									X				N/A
10	G108	WT	G																									X				N/A
11	G109	WT	G																									X				N/A
12	G110	WT	G																		X	X										N/A
13	G111	WT	G	2-15-24	0903																							X				N/A
14	G119	WT	G	2-15-24	0947																							X				N/A
15	G120	WT	G	2-15-24	1004																X	X										N/A
16	G121	WT	G	2-15-24	1040																							X				N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-15	1600	[Signature]	2/15/24	1600	#5 8.1 z

SAMPLER NAME AND SIGNATURE		DATE Signed (M/W/DD/YY):	2-15-24
PRINT Name of SAMPLER:	Justin Colp		
SIGNATURE of SAMPLER:	[Signature]		

PHV 90719
Added HNO3 to all (94914)

LH 2/16/24

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **2** 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 Coffeen, IL 62017		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Email To: Brian.Voelker@VistraCorp.com		John Romang - John.Romang@vistracorp.com Scott Bell-Michael.Bell@vistracorp.com		Address: see Section A	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Quote Reference:	
Requested Due Date/TAT: 10 day		Project Name:		Project Manager:	
		Project Number: 2285		Profic #:	
				REGULATORY AGENCY	
				NPDES GROUND WATER DRINKING WATER	
				UST RCRA OTHER	
				Site Location	
				STATE: IL	

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 ↓ Y/N ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.				
	SAMPLE ID (A-Z, 0-9 / .)		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
	Sample IDs MUST BE UNIQUE																																	
1	G122		WT G		2-15-24	1105														X												N/A		
2	G123		WT G		2-15-24	1131														X												N/A		
3	G124		WT G		2-15-24	1153														X												N/A		
4	G125		WT G		2-15-24	1219											X	X														N/A		
5	G126		WT G		2-15-24	1322												X														N/A		
6	G151		WT G						2																			X				24020002-002		
7	G152		WT G						2																		X					24020002-003		
8	G153		WT G						2																		X					24020002-004		
9	G154		WT G						2																	X	X					24020002-005		
10	G155		WT G						2																X		X					24020002-006		
11	G200		WT G						2								X	X						X		X						24020002-007		
12	G206		WT G						2								X						X		X							24020002-008		
13	G206D		WT G						2								X						X									24020002-009		
14	G207		WT G		2-15-24	1155																				X						N/A		
15	G208		WT G																							X						N/A		
16	G209		WT G						2								X						X		X							24020002-010		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																	
COF-24Q1 Rev 1			J. Cole			2-15		1600		[Signature]			2/15/24		1600		> z																	
Ra226/228, 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 Cole																																		
SIGNATURE of SAMPLER: [Signature]												DATE Signed (MM/DD/YYYY): 2-15-24																						

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: 4 of 7
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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 Reference:	
Requested Due Date/TAT: 10 day		Project Name:		Project Manager:	
		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	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)										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	G276	WT	G					2		2													X												24020002-021
2	G277	WT	G					2		2														X											24020002-022
3	G278	WT	G		7-15-24	1103																													N/A
4	G279	WT	G					2		2																									24020002-023
5	G280	WT	G					2		2							X	X									X	X	X					24020002-024	
6	G281	WT	G		2-15-24	1422		2		2						X	X									X								24020002-025	
7	G283	WT	G					2		2																									24020002-026
8	G284	WT	G					2		2																	X								24020002-027
9	G285	WT	G					2		2																	X								24020002-028
10	G301	WT	G					2		2						X																			24020002-029
11	G302	WT	G					2		2						X																			24020002-030
12	G303	WT	G					2		2						X																			24020002-031
13	G305	WT	G					2		2						X																			24020002-032
14	G306	WT	G					2		2						X																			24020002-033
15	G307	WT	G					2		2						X																			24020002-034
16	G307D	WT	G					2		2						X																			24020002-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1 Ra226/228, only	J. Cold	2-15	1600	[Signature]	2/16/24	1600	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 Cold					
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YYYY):	2-15-24			

24020002

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:	
Company: Visira Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey	
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@visira.com		Sprott Ball: Michael.Bell@visitracorp.com		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911		Purchase Order No.:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Name:		Site Location	
		Project Number: 2285		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODES DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSUE 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		
1	G411		WT	G				2		2																		24020002-052
2	L201		WT	G												X												N/A
3	L202		WT	G													X											N/A
4	L203		WT	G													X											N/A
5	NE Riser		WT	G											X					X								N/A
6	R104		WT	G													X						X					N/A
7	R201		WT	G				2		2						X		X			X			X				24020002-053
8	R205		WT	G																				X				N/A
9	SG-02		WT	G											X	X			X	X								N/A
10	SG-03		WT	G											X	X			X	X								N/A
11	T127		WT	G													X	X										N/A
12	T128		WT	G		2-15-24	0924											X										N/A
13	X201		WT	G													X						X					N/A
14	XPW01		WT	G												X				X								N/A
15	XPW02		WT	G												X				X								N/A
16	XSG-01		WT	G												X				X								N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
COF-24Q1 Rev 1 Ra226/228, only	J. Gelp	2-15	1600	[Signature]	2/16/24	1600	>	<	

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]	DATE Signed (MM/DD/YYYY):				
SIGNATURE of SAMPLER:	[Signature]	2-15-24				

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 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 Scott Bek - Michael.Bek@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		IL
STATE:		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DW WT WW P SL OL WP AR OT 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							
1	G122	WT	G																																		N/A		
2	G123	WT	G																																		N/A		
3	G124	WT	G																																		N/A		
4	G125	WT	G																																		N/A		
5	G126	WT	G																																		N/A		
6	G151	WT	G					2		2																											24020002-002		
7	G152	WT	G					2		2																											24020002-003		
8	G153	WT	G					2		2																											24020002-004		
9	G154	WT	G					2		2																											24020002-005		
10	G155	WT	G			2/16/24	1037	2		2																											24020002-006		
11	G200	WT	G					2		2															X													24020002-007	
12	G206	WT	G					2		2														X														24020002-008	
13	G206D	WT	G					2		2													X															24020002-009	
14	G207	WT	G			2/16/24	931	2		2																												N/A	
15	G208	WT	G					2		2																												N/A	
16	G209	WT	G					2		2																X													24020002-010

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
							Y	Z	V
COF-24Q1 Rev 1 Ra226/228, only	<i>Tracy Carrol</i>	2/16/24	12:21	<i>Smou Ouellet</i>	2/16/24	1221			

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>Tracy Carrol</i>			DATE Signed (MM/DD/YYYY): <i>2/16/24</i>				
SIGNATURE of SAMPLER: <i>Tracy Carrol</i>							

NO G207 received G206D
LGS
PHN 907/19
LH 2/16/24

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: 6 of 7	
Company: Visira 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: Visira Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VisiraCorp.com		Purchase Order No.:		Quote Reference		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		Site Location IL	
						STATE:	

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 ↓ Y/N	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No. / Lab I.D.				
	SAMPLE ID (A-Z, 0-9 / .)		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-105
	Sample IDs MUST BE UNIQUE		DRINKING WATER	WASTE WATER			PRODUCT	SOL/SOLID			OL	WPE	AR	OTHER	TISSUE	CW	WT		WW	P	SL	CL	WP	AR	OT	TS								
1	G411		WT	G		G				2		2																			24020002-052			
2	L201		WT	G		G													X											N/A				
3	L202		WT	G		G															X									N/A				
4	L203		WT	G		G															X									N/A				
5	NE Riser		WT	G		G														X										N/A				
6	R104		WT	G		G															X					X				N/A				
7	R201		WT	G		G				2		2														X				24020002-053				
8	R205		WT	G		G																				X				N/A				
9	SG-02		WT	G		G															X	X								N/A				
10	SG-03		WT	G		G															X	X								N/A				
11	T127		WT	G		G																	X							N/A				
12	T128		WT	G		G																	X							N/A				
13	X201		WT	G		G																					X			N/A				
14	XPW01		WT	G		G																								N/A				
15	XPW02		WT	G		G																								N/A				
16	XSG-01		WT	G		G																								N/A				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
COF-24Q1 Rev 1 Ra226/228, only	<i>Tracy Carroll</i>	2/10/24	12:21	<i>Jason Stuckey</i>	2/10/24	12:21	>	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>Tracy Carroll</i>				
SIGNATURE of SAMPLER:	<i>Tracy Carroll</i>				
DATE Signed (MM/DD/YY):	2/10/24				

24020002
HN03 (96331) added to G152, G153, G270,
G275D, G312
p/v 90719 D5792

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:		REGULATORY AGENCY			
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		NPDES GROUND WATER DRINKING WATER			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A		UST RCRA OTHER			
Email To: Brian.Voelker@vistracorp.com		Purchase Order No.:		Quote Reference:		Site Location		IL	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		STATE:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)													Residual Chlorine (Y/N)	Project No./ Lab I.D.					
							COLLECTED	Preservatives																		
								Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Nb 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
1	G122	WT G																						N/A		
2	G123	WT G																							N/A	
3	G124	WT G																							N/A	
4	G125	WT G																							N/A	
5	G126	WT G																							N/A	
6	G151	WT G	2-19-24	0911		2		2																X	24020002-002	
7	G152	WT G	2-19-24	1109		2		2																	X	24020002-003
8	G153	WT G	2-19-24	1009		2		2																	X	24020002-004
9	G154	WT G	2-19-24	0948		2		2															X	X	24020002-005	
10	G155	WT G				2		2																X	24020002-006	
11	G200	WT G				2		2							X	X							X		24020002-007	
12	G206	WT G				2		2							X								X		24020002-008	
13	G206D	WT G				2		2							X								X		24020002-009	
14	G207	WT G																						X	N/A	
15	G208	WT G																						X	N/A	
16	G209	WT G				2		2							X								X		24020002-010	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-19	1640	Uma Adams	2/19/24	1640	8.5	>	=	Y

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: [Signature]			DATE Signed (MM/DD/YY): 2-19-24			

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:	
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		IL
STATE:		

ITEM #	Section D Required Client Information	Valid Matrix Codes 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.																		
					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					
																																		Y/N				
1	G210	WT	G																																			N/A
2	G211	WT	G																																			N/A
3	G212	WT	G				2		2															X														24020002-011
4	G213	WT	G				2		2															X													24020002-012	
5	G214	WT	G																																		N/A	
6	G215	WT	G				2		2															X													24020002-013	
7	G216	WT	G																																		N/A	
8	G217	WT	G				2																	X													24020002-014	
9	G218	WT	G				2		2															X													24020002-015	
10	G270	WT	G				2		2															X			X	X	X								24020002-016	
11	G271	WT	G				2		2																X												24020002-017	
12	G272	WT	G																																		N/A	
13	G273	WT	G				2		2																												24020002-018	
14	G274	WT	G																																		N/A	
15	G275	WT	G				2		2																												24020002-019	
16	G275D	WT	G				2		2																												24020002-020	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-19	1640	Justin Colp	2/19/24	1440	Y	Z

G271 bottles are labeled G272
G272 bottles are labeled G271
Brett filled the wrong bottles

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>Justin Colp</i>				
DATE Signed (MM/DD/YY):		2-19-24			

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:	
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	
Coffee, 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	
		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 OL TYPE WP AIR 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 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		
1		G308	WT	G			2		2							X																		24020002-036
2		G310	WT	G		2/19/24	1124	2		2						X																	24020002-037	
3		G312	WT	G		2/19/24	1411	2		2						X																	24020002-038	
4		G313	WT	G				2		2						X																	24020002-039	
5		G314	WT	G				2		2						X																	24020002-040	
6		G314D	WT	G				2		2						X																	24020002-041	
7		G315	WT	G				2		2						X																	24020002-042	
8		G316	WT	G				2		2						X																	24020002-043	
9		G401	WT	G				2		2									X														24020002-044	
10		G402	WT	G				2		2						X				X			X										24020002-045	
11		G403	WT	G				2		2						X				X			X										24020002-046	
12		G404	WT	G				2		2						X				X			X										24020002-047	
13		G405	WT	G				2		2						X				X			X										24020002-048	
14		G406	WT	G				2		2						X				X			X										24020002-049	
15		G407	WT	G				2		2						X				X			X										24020002-050	
16		G410	WT	G				2		2													X											24020002-051

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS							
COF-24Q1 Rev 1		J. Calp		2-19		1640		Justin Calp		2/19/24		1640									
Ra226/228, 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 Calp																					
SIGNATURE of SAMPLER: <i>[Signature]</i>										DATE Signed (MM/DD/YY): 2-19-24											

24020002

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:
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 Scott Bell: Michael.Bell@vistracorp.com	Address: see Section A
Email To: Brian Voelker@VistraCorp.com	Purchase Order No.:	REGULATORY AGENCY
Phone: (217) 753-8911 Fax:	Project Name:	NPDES GROUND WATER DRINKING WATER
Requested Due Date/TAT: 10 day	Project Number: 2285	UST RCRA OTHER
		Site Location: IL
		STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.							
							Preservatives																		
							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
1	G411	WT G				2																			24020002-052
2	L201	WT G													X										N/A
3	L202	WT G													X										N/A
4	L203	WT G													X										N/A
5	NE Riser	WT G														X									N/A
6	R104	WT G													X										N/A
7	R201	WT G				2										X	X								24020002-053
8	R205	WT G															X								N/A
9	SG-02	WT G												X	X		X	X							N/A
10	SG-03	WT G												X	X		X	X							N/A
11	T127	WT G													X	X									N/A
12	T128	WT G													X										N/A
13	X201	WT G													X										N/A
14	XPW01	WT G	2/19/24	1048												X									N/A
15	XPW02	WT G	2/19/24													X									N/A
16	XSG-01	WT G													X										N/A

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1 Ra226/228, only	<i>J. Golp</i>	2-19	1640	<i>D. Mansueti</i>	2/19/24	1140	> ≥

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 Golp</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>					
DATE Signed (MM/DD/YY): <i>2-19-24</i>					

24020002

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	
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		NPDES GROUND WATER DRINKING WATER	
Email To: brian.voelker@vistracorp.com		Purchase Order No.:		Quote Reference:		UST RCRA OTHER	
Phons: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location	
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)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							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	Analysis Test	Y	N	Y	N	Y	N	Y	N		Y	N	Y	N	Y	N	Residual Chlorine (Y/N)		
																																	SAMPLE TYPE (G=GRAB C=COMP)	
1	Field Blank	WT	G				2									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-054	
2	G102 Duplicate	WT	G													X	X									X							N/A	
3	G200 Duplicate	WT	G				2										X		X							X							24020002-055	
4	G273 Duplicate	WT	G		7-19-24	1318	2											X							X								24020002-056	
5	G301 Duplicate	WT	G		2/19/24	1204	2									X					X												24020002-057	
6	R201 Duplicate	WT	G				2										X		X						X								24020002-058	
7	Equipment Blank 1	WT	G				2									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-059
8	Equipment Blank 2	WT	G				2									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-060
9	Equipment Blank 3	WT	G				2									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-061

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-19	1640	Justin Colp	2-19-24	1640	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: Justin Colp							
SIGNATURE of SAMPLER: <i>Justin Colp</i>				DATE Signed (MM/DD/YY): 2-19-24			

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: 4 of 7	
Company: Vistra Corp-Coffeeen		Report To: Brian Voeiker		Attention: Jason Stuckey		REGULATORY AGENCY	
Address: 134 CIP 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		NPDES GROUND WATER DRINKING WATER	
Email To: Brian.Voeiker@VistraCorp.com		Purchase Order No.:		Queue Reference:		UST RCRA OTHER	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location	
Requested Due Date/AT: 10 day		Project Number: 2285		Profile #:		STATE: IL LTG#7	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z 0-9 / . -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER CW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OIL WIFE WSP AIR AR OTHER OT TISSE 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)										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	G276	WT
2	* G277	WT	G	2-20-24	0940	2		2																											24020002-022
3	G278	WT	G																																N/A
4	* G279	WT	G	2-20-24	1025	2		2																											24020002-023
5	G280	WT	G	2-20-24	1110	2		2																											24020002-024
6	G281	WT	G			2		2																											24020002-025
7	G283	WT	G			2		2																											24020002-026
8	* G284	WT	G	2/20/24	1426	2		2																											24020002-027
9	* G285	WT	G	2/20/24	1313	2		2																											24020002-028
10	G301	WT	G			2		2																											24020002-029
11	G302	WT	G			2		2																											24020002-030
12	G303	WT	G			2		2																											24020002-031
13	G305	WT	G			2		2																											24020002-032
14	G306	WT	G			2		2																											24020002-033
15	G307	WT	G			2		2																											24020002-034
16	G307D	WT	G			2		2																											24020002-035

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-20	1635	Justin Colp	2/20/24	1635	1	z

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 Colp				
SIGNATURE of SAMPLER:	<i>Justin Colp</i>	DATE Signed (MM/DD/YYYY):	2-20-24		

*pH 9.07 19
* Added HNO3 (96331)
LT 2/20/24*

24020002

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:	
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, L 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Name:		Site Location	
		Project Number: 2285		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.									
							Preservatives																				
							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
1	G308	WT G				2	2																				24020002-036
2	G310	WT G				2	2																				24020002-037
3	G312	WT G				2	2																				24020002-038
4	G313	WT G				2	2																				24020002-039
5	G314	WT G				2	2																				24020002-040
6	G314D	WT G				2	2																				24020002-041
7	G315	WT G				2	2																				24020002-042
8	G316	WT G				2	2																				24020002-043
9	G401	WT G				2	2																				24020002-044
10	G402	WT G				2	2																				24020002-045
11	G403	WT G				2	2																				24020002-046
12	G404	WT G				2	2																				24020002-047
13	G405	WT G				2	2																				24020002-048
14	G406	WT G				2	2																				24020002-049
15	* G407	WT G	2/20/24	1015		2	2																				24020002-050
16	* G410	WT G	2/20/24	1118		2	2																				24020002-051

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-20	1635	Nick Reed	2/20/24	1635	>	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:	Josh Colp				
SIGNATURE of SAMPLER:	[Signature]	DATE Signed (MM/DD/YY):	2-20-24		

24020002

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:		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
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			
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		Purchase Order No.:			
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	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																		
1	Field Blank	WT	G				2		2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24020002-054
2	G102 Duplicate	WT	G																														N/A	
3	G200 Duplicate	WT	G				2		2																								24020002-055	
4	G273 Duplicate	WT	G				2		2																								24020002-056	
5	G301 Duplicate	WT	G				2		2							X																	24020002-057	
6	* R201 Duplicate	WT	G		2-20-24	1405	2		2								X																24020002-058	
7	Equipment Blank 1	WT	G				2		2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24020002-059	
8	Equipment Blank 2	WT	G				2		2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24020002-060	
9	Equipment Blank 3	WT	G				2		2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24020002-061	
10																																		
11																																		
12																																		
13																																		
14																																		
15																																		
16																																		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-20	1635	Justin Colp	2/20/24	1635	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>Justin Colp</i>				
DATE Signed (MM/DD/YY):		2-20-24			

24020002

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:			
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			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		Site Location: IL	
						STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.
								Preservatives										Requested Analysis Filtered (Y/N)											
								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		
1	AP2D	WT	G	2-21-24	1454																					N/A			
2	G1001	WT	G				2																				24020002-001		
3	G1003	WT	G	2-21-24	DRY																						N/A		
4	G101	WT	G																								N/A		
5	G102	WT	G											X	X												N/A		
6	G103	WT	G												X												N/A		
7	G105	WT	G												X												N/A		
8	G106	WT	G											X	X												N/A		
9	G107	WT	G												X												N/A		
10	G108	WT	G												X												N/A		
11	G109	WT	G												X	X											N/A		
12	G110	WT	G												X												N/A		
13	G111	WT	G												X												N/A		
14	G119	WT	G												X	X											N/A		
15	G120	WT	G												X	X											N/A		
16	G121	WT	G												X												N/A		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1 Ra226/228, only		J. Colp		2-21	1635	Justin Colp		2/21/24	11035	103	>	=	Y

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>Justin Colp</i>					
				DATE Signed (MM/DD/YYYY): 2-21-24			

ph ✓ 90719 added HNO3 (96331)
to all ES 2/21/24

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:	
Company: <u>Vistra Corp-Coffeen</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>	
Address: <u>134 CIPS Lane</u>		Copy To: <u>Sam Davies-samantha.davies@visstracorp.com</u>		Company Name: <u>Vistra Corp</u>	
<u>Coffeen, IL 62017</u>		John Romang - John.Romang@visstracorp.com		Address: <u>see Section A</u>	
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Scott Reil: Michael.Reil@visstracorp.com		NPDES	
Phone: (217) 753-8911		Purchase Order No.:		GROUND WATER	
Requested Due Date/TAT: <u>10 day</u>		Project Name:		DRINKING WATER	
		Project Number: <u>2285</u>		UST	
				RCRA	
				OTHER	
				Site Location	
				IL	
				STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.						
									Preservatives																	
									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
1	G276	WT	G				2																			24020002-021
2	G277	WT	G				2																			24020002-022
3	G278	WT	G																							N/A
4	G279	WT	G				2																			24020002-023
5	G280	WT	G				2																			24020002-024
6	G281	WT	G				2																			24020002-025
7	G283	WT	G	2-21-24	1008		2																			24020002-026
8	G284	WT	G				2																			24020002-027
9	G285	WT	G				2																			24020002-028
10	G301	WT	G				2																			24020002-029
11	G302	WT	G				2																			24020002-030
12	G303	WT	G				2																			24020002-031
13	G305	WT	G				2																			24020002-032
14	G306	WT	G				2																			24020002-033
15	G307	WT	G				2																			24020002-034
16	G307D	WT	G				2																			24020002-035

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS		
COF-24Q1 Rev 1		J. Colp		2-21	1635	Justin Colp		2/21/24	1635			
Ra226/228, 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: <u>Justin Colp</u>							
SIGNATURE of SAMPLER: <u>[Signature]</u>			DATE Signed (MM/DD/YY): <u>2-21-24</u>				

24020002

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:	
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	
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	
				IL	
				STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.								
								Preservatives																			
								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
1	G411	WT	G				2																				24020002-052
2	L201	WT	G												X												N/A
3	L202	WT	G												X												N/A
4	L203	WT	G												X												N/A
5	NE Riser	WT	G	2-21-24	1425											X											N/A
6	R104	WT	G												X												N/A
7	R201	WT	G				2								X	X											24020002-053
8	R205	WT	G																								N/A
9	SG-02	WT	G											X	X												N/A
10	SG-03	WT	G											X	X												N/A
11	T127	WT	G												X	X											N/A
12	T128	WT	G												X												N/A
13	X201	WT	G												X												N/A
14	XPW01	WT	G											X													N/A
15	XPW02	WT	G											X													N/A
16	XSG-01	WT	G											X													N/A
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS															
COF-24Q1 Rev 1			J. Colp		2-21	1635	Justin Colp			2/21/24	11035	> z															
Ra226/228, only																											

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Colp		DATE Signed (MM/DD/YY): 2-21-24	
SIGNATURE of SAMPLER: <i>Justin Colp</i>			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Stemplus 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	
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		Site Location IL STATE:	
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	
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 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							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	
																																	Y
1	Field Blank		WT	G	2-21-24	1503	2																									24020002-054	
2	G102 Duplicate		WT	G																												N/A	
3	G200 Duplicate		WT	G	2-21-24	0903	2																									24020002-055	
4	G273 Duplicate		WT	G			2																									24020002-056	
5	G301 Duplicate		WT	G			2																									24020002-057	
6	R201 Duplicate		WT	G			2																									24020002-058	
7	Equipment Blank 1		WT	G	2-21-24	1453	2																									24020002-059	
8	Equipment Blank 2		WT	G			2																									24020002-060	
9	Equipment Blank 3		WT	G			2																									24020002-061	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
COF-24Q1 Rev 1 Ra226/228, only	J. Colp	2-21	1635	Justin Colp	2/21/24	1635	Y							
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Justin Colp SIGNATURE of SAMPLER: <i>[Signature]</i>							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)				
					DATE Signed (MM/DD/YYYY):	2-21-24								

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc

5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 3/22/2024 4:40:14 PM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
24020002

JOB NUMBER

160-53264-1

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



Generated
3/22/2024 4:40:14 PM
Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566



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Case Narrative

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-53264-1**Eurofins St. Louis****CASE NARRATIVE****Client: TekLab, Inc****Project: 24020002****Report Number: 160-53264-1 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 has been revised to correct a transcription error on the chain-of-custody (COC). The collection time for sample 24020002-026 should be 10:11, rather than 10:08.

Receipt

The samples were received on 2/23/2024 12:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 17.7°C, 17.9°C, 17.9°C, 18.1°C, 18.1°C and 18.4°C.

Client provided a revised chain-of-custody (COC) to correct a sample time error for sample 24020002-057. The revised COC is included with the original sign COC.

Method 903.0 - Radium-226 (GFPC)

Samples 24020002-001 (160-53264-1), 24020002-002 (160-53264-2), 24020002-003 (160-53264-3), 24020002-004 (160-53264-4), 24020002-005 (160-53264-5), 24020002-006 (160-53264-6), 24020002-007 (160-53264-7), 24020002-008 (160-53264-8), 24020002-009 (160-53264-9), 24020002-010 (160-53264-10), 24020002-011 (160-53264-11), 24020002-012 (160-53264-12), 24020002-013 (160-53264-13), 24020002-014 (160-53264-14), 24020002-015 (160-53264-15), 24020002-016

Eurofins St. Louis

Case Narrative

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-53264-1 (Continued)**Eurofins St. Louis**

(160-53264-16), 24020002-017 (160-53264-17), 24020002-018 (160-53264-18), 24020002-019 (160-53264-19), 24020002-020 (160-53264-20), 24020002-021 (160-53264-21), 24020002-022 (160-53264-22), 24020002-023 (160-53264-23), 24020002-024 (160-53264-24), 24020002-025 (160-53264-25), 24020002-026 (160-53264-26), 24020002-027 (160-53264-27), 24020002-028 (160-53264-28), 24020002-029 (160-53264-29), 24020002-030 (160-53264-30), 24020002-031 (160-53264-31), 24020002-032 (160-53264-32), 24020002-033 (160-53264-33), 24020002-034 (160-53264-34), 24020002-035 (160-53264-35), 24020002-036 (160-53264-36), 24020002-037 (160-53264-37), 24020002-038 (160-53264-38), 24020002-039 (160-53264-39), 24020002-040 (160-53264-40), 24020002-041 (160-53264-41), 24020002-042 (160-53264-42), 24020002-043 (160-53264-43), 24020002-044 (160-53264-44), 24020002-045 (160-53264-45), 24020002-046 (160-53264-46), 24020002-047 (160-53264-47), 24020002-048 (160-53264-48), 24020002-049 (160-53264-49), 24020002-050 (160-53264-50), 24020002-051 (160-53264-51), 24020002-052 (160-53264-52), 24020002-053 (160-53264-53), 24020002-054 (160-53264-54), 24020002-055 (160-53264-55), 24020002-056 (160-53264-56), 24020002-057 (160-53264-57), 24020002-058 (160-53264-58) and 24020002-059 (160-53264-59) were analyzed for Radium-226 (GFPC). The samples were prepared on 2/27/2024 and analyzed on 3/20/2024.

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 24020002-001 (160-53264-1), 24020002-002 (160-53264-2), 24020002-003 (160-53264-3), 24020002-004 (160-53264-4), 24020002-005 (160-53264-5), 24020002-006 (160-53264-6), 24020002-007 (160-53264-7), 24020002-008 (160-53264-8), 24020002-009 (160-53264-9), 24020002-010 (160-53264-10), 24020002-011 (160-53264-11), 24020002-012 (160-53264-12), 24020002-013 (160-53264-13), 24020002-014 (160-53264-14), 24020002-015 (160-53264-15), 24020002-016 (160-53264-16), 24020002-017 (160-53264-17), 24020002-018 (160-53264-18), 24020002-019 (160-53264-19), 24020002-020 (160-53264-20), 24020002-021 (160-53264-21), 24020002-022 (160-53264-22), 24020002-023 (160-53264-23), 24020002-024 (160-53264-24), 24020002-025 (160-53264-25), 24020002-026 (160-53264-26), 24020002-027 (160-53264-27), 24020002-028 (160-53264-28), 24020002-029 (160-53264-29), 24020002-030 (160-53264-30), 24020002-031 (160-53264-31), 24020002-032 (160-53264-32), 24020002-033 (160-53264-33), 24020002-034 (160-53264-34), 24020002-035 (160-53264-35), 24020002-036 (160-53264-36), 24020002-037 (160-53264-37), 24020002-038 (160-53264-38), 24020002-039 (160-53264-39), 24020002-040 (160-53264-40), 24020002-041 (160-53264-41), 24020002-042 (160-53264-42), 24020002-043 (160-53264-43), 24020002-044 (160-53264-44), 24020002-045 (160-53264-45), 24020002-046 (160-53264-46), 24020002-047 (160-53264-47), 24020002-048 (160-53264-48), 24020002-049 (160-53264-49), 24020002-050 (160-53264-50), 24020002-051 (160-53264-51), 24020002-052 (160-53264-52), 24020002-053 (160-53264-53), 24020002-054 (160-53264-54), 24020002-055 (160-53264-55), 24020002-056 (160-53264-56), 24020002-057 (160-53264-57), 24020002-058 (160-53264-58) and 24020002-059 (160-53264-59) were analyzed for Radium-228 (GFPC). The samples were prepared on 2/27/2024 and analyzed on 3/12/2024, 3/13/2024, 3/14/2024 and 3/15/2024.

Batch 160-649958

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24020002-003 (160-53264-3) and 24020002-006 (160-53264-6). Analytical results are reported with the detection limit achieved.

Batch 160-649964

The sample duplicate (DUP) precision was outside the control limits. However the original sample and DUP activity is below the MDC / RL making the measurement of precision less critical. The lab does not believe this discrepancy to have a negative impact on the data being reported. (160-53264-B-59-B DU)

The yttrium carrier recovery was outside the upper QC limit in the associated sample. The samples have been truncated to 100% to reduce any potential bias a high carrier recovery may have. The data have been qualified and reported. 24020002-059 (160-53264-59)

Batch 160-649962

The detection goal was not met for the following sample due to the reduction of sample required by the presence of matrix interferences: 24020002-045 (160-53264-45). Analytical results are reported with the detection limit achieved.

Batch 160-649960

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24020002-021 (160-53264-21), 24020002-024 (160-53264-24), 24020002-025 (160-53264-25) and 24020002-034 (160-53264-34). 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

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-53264-1

Job ID: 160-53264-1 (Continued)

Eurofins St. Louis

Samples 24020002-001 (160-53264-1), 24020002-005 (160-53264-5), 24020002-007 (160-53264-7), 24020002-008 (160-53264-8), 24020002-009 (160-53264-9), 24020002-010 (160-53264-10), 24020002-011 (160-53264-11), 24020002-012 (160-53264-12), 24020002-013 (160-53264-13), 24020002-014 (160-53264-14), 24020002-015 (160-53264-15), 24020002-016 (160-53264-16), 24020002-017 (160-53264-17), 24020002-018 (160-53264-18), 24020002-019 (160-53264-19), 24020002-020 (160-53264-20), 24020002-021 (160-53264-21), 24020002-022 (160-53264-22), 24020002-023 (160-53264-23), 24020002-024 (160-53264-24), 24020002-025 (160-53264-25), 24020002-026 (160-53264-26), 24020002-027 (160-53264-27), 24020002-028 (160-53264-28), 24020002-029 (160-53264-29), 24020002-030 (160-53264-30), 24020002-031 (160-53264-31), 24020002-032 (160-53264-32), 24020002-033 (160-53264-33), 24020002-034 (160-53264-34), 24020002-035 (160-53264-35), 24020002-036 (160-53264-36), 24020002-037 (160-53264-37), 24020002-038 (160-53264-38), 24020002-039 (160-53264-39), 24020002-040 (160-53264-40), 24020002-041 (160-53264-41), 24020002-042 (160-53264-42), 24020002-043 (160-53264-43), 24020002-044 (160-53264-44), 24020002-045 (160-53264-45), 24020002-046 (160-53264-46), 24020002-047 (160-53264-47), 24020002-048 (160-53264-48), 24020002-049 (160-53264-49), 24020002-050 (160-53264-50), 24020002-051 (160-53264-51), 24020002-052 (160-53264-52), 24020002-053 (160-53264-53), 24020002-054 (160-53264-54), 24020002-055 (160-53264-55), 24020002-056 (160-53264-56), 24020002-057 (160-53264-57), 24020002-058 (160-53264-58) and 24020002-059 (160-53264-59) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 3/21/2024.

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 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
	24020002-001	2/15/24 1323	HNO3	Groundwater
	24020002-002	2/19/24 0911	HNO3	Groundwater
	24020002-003	2/19/24 1109	HNO3	Groundwater
	24020002-004	2/19/24 1009	HNO3	Groundwater
	24020002-005	2/19/24 0948	HNO3	Groundwater
	24020002-006	2/16/24 1037	HNO3	Groundwater
	24020002-007	2/21/24 0903	HNO3	Groundwater
	24020002-008	2/13/24 1144	HNO3	Groundwater
	24020002-009	2/16/24 0931	HNO3	Groundwater
	24020002-010	2/13/24 1030	HNO3	Groundwater
	24020002-011	2/14/24 1017	HNO3	Groundwater

Ra226/228 combined	Ra226	Ra228																
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	2/23/24		

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 combined	Ra226	Ra228												
	24020002-012	2/14/24 0955	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-013	2/13/24 1412	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-014	2/13/24 1240	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-015	2/13/24 1211	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-016	2/19/24 1156	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-017	2/19/24 1220	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-018	2/19/24 1318	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-019	2/19/24 1421	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-020	2/19/24 1405	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-021	2/20/24 0921	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-022	2/20/24 0940	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>Smiley Jones</i>	2/23/24		

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

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24020002-023	2/20/24 1025	HNO3	Groundwater
	24020002-024	2/20/24 1110	HNO3	Groundwater
	24020002-025	2/15/24 1422	HNO3	Groundwater
	24020002-026	2/21/24 1008	HNO3	Groundwater
	24020002-027	2/20/24 1426	HNO3	Groundwater
	24020002-028	2/20/24 1318	HNO3	Groundwater
	24020002-029	2/19/24 1203	HNO3	Groundwater
	24020002-030	2/19/24 1327	HNO3	Groundwater
	24020002-031	2/14/24 1023	HNO3	Groundwater
	24020002-032	2/19/24 1456	HNO3	Groundwater
	24020002-033	2/14/24 1135	HNO3	Groundwater

Ra226/228 combined	Ra226	Ra228																
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>Smou...</i>	2/23/24		

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 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: 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
	24020002-034	2/14/24 1458	HNO3	Groundwater
	24020002-035	2/14/24 1342	HNO3	Groundwater
	24020002-036	2/16/24 1004	HNO3	Groundwater
	24020002-037	2/19/24 1124	HNO3	Groundwater
	24020002-038	2/19/24 1411	HNO3	Groundwater
	24020002-039	2/13/24 1419	HNO3	Groundwater
	24020002-040	2/13/24 1311	HNO3	Groundwater
	24020002-041	2/13/24 1220	HNO3	Groundwater
	24020002-042	2/14/24 1245	HNO3	Groundwater
	24020002-043	2/13/24 1131	HNO3	Groundwater
	24020002-044	2/21/24 1246	HNO3	Groundwater

Ra226/228 combined	Ra226	Ra228																	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emm. O'Connell</i>	<i>2/23/24</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 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: Email:
 Requested Due Date: Billing/PO:

Phone:

PLEASE NOTE

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228												
	24020002-045	2/21/24 1344	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-046	2/21/24 1143	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-047	2/21/24 1037	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-048	2/21/24 1109	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-049	2/21/24 1211	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-050	2/20/24 1015	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-051	2/20/24 1118	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-052	2/20/24 1213	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-053	2/20/24 1405	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-054	2/21/24 1503	HNO3	Aqueous	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-055	2/21/24 0903	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>Erica D. Wells</i>	2/23/24		

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

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228											
	24020002-056	2/19/24 1318	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-057	2/19/24 1204	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-058	2/20/24 1405	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	24020002-059	2/21/24 1458	HNO3	Groundwater	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Aqueous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Aqueous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			HNO3	Groundwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Relinquished By	Date/Time	Received By	Date/Time
<i>Solo Qualls</i>	<i>2/23/24</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

Project#: 24020002

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
 Requested Due Date: Standad TAT Billing/PO: 35742

QC Level: 2

Sampler: Teklab, Inc.

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.

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
	24020002-001	2/15/24 1323	HNO3	Groundwater
	24020002-002	2/19/24 0911	HNO3	Groundwater
	24020002-003	2/19/24 1109	HNO3	Groundwater
	24020002-004	2/19/24 1009	HNO3	Groundwater
	24020002-005	2/19/24 0948	HNO3	Groundwater
	24020002-006	2/16/24 1037	HNO3	Groundwater
	24020002-007	2/21/24 0903	HNO3	Groundwater
	24020002-008	2/13/24 1144	HNO3	Groundwater
	24020002-009	2/16/24 0931	HNO3	Groundwater
	24020002-010	2/13/24 1030	HNO3	Groundwater
	24020002-011	2/14/24 1017	HNO3	Groundwater

Ra226/228 combined
 Ra226
 Ra228



160-53264 Chain of Custody

*Relinquished By: *[Signature]* Date/Time: 2/23/24 1049

Received By: *[Signature]* Date/Time: 2/23/24 1220

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

Project#: 24020002

Contact: Elizabeth Hurley
 Standard TAT

Requested Due Date: []

Sampler: []
 Cooler Temp: []
 Matrix: []
 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.

Phone: 618 344-1004 ext. 33

Email: ehurley@teklabinc.com
 Billing/PO: 35742

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 combined																			
✓	Ra226																			
✓	Ra228																			

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24020002-023	2/20/24 1025	HNO3	Groundwater
	24020002-024	2/20/24 1110	HNO3	Groundwater
	24020002-025	2/15/24 1422	HNO3	Groundwater
	24020002-026	2/21/24 1008	HNO3	Groundwater
	24020002-027	2/20/24 1426	HNO3	Groundwater
	24020002-028	2/20/24 1318	HNO3	Groundwater
	24020002-029	2/19/24 1203	HNO3	Groundwater
	24020002-030	2/19/24 1327	HNO3	Groundwater
	24020002-031	2/14/24 1023	HNO3	Groundwater
	24020002-032	2/19/24 1456	HNO3	Groundwater
	24020002-033	2/14/24 1135	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	2/23/24 1078	<i>[Signature]</i>	2/23/24 1078
<i>[Signature]</i>	2/23/24 1220	<i>[Signature]</i>	2/23/24 1220

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)



Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-53264-1

SDG Number: 24020002

Login Number: 53264

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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 <6mm (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

Qualifiers

Rad

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.
X	Carrier is outside acceptance limits.

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Job ID: 160-53264-1
SDG: 24020002

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

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 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53264-1	24020002-001	Water	02/15/24 13:23	02/23/24 12:20
160-53264-2	24020002-002	Water	02/19/24 09:11	02/23/24 12:20
160-53264-3	24020002-003	Water	02/19/24 11:09	02/23/24 12:20
160-53264-4	24020002-004	Water	02/19/24 10:09	02/23/24 12:20
160-53264-5	24020002-005	Water	02/19/24 09:48	02/23/24 12:20
160-53264-6	24020002-006	Water	02/16/24 10:37	02/23/24 12:20
160-53264-7	24020002-007	Water	02/21/24 09:03	02/23/24 12:20
160-53264-8	24020002-008	Water	02/13/24 11:44	02/23/24 12:20
160-53264-9	24020002-009	Water	02/16/24 09:31	02/23/24 12:20
160-53264-10	24020002-010	Water	02/13/24 10:30	02/23/24 12:20
160-53264-11	24020002-011	Water	02/14/24 10:17	02/23/24 12:20
160-53264-12	24020002-012	Water	02/14/24 09:55	02/23/24 12:20
160-53264-13	24020002-013	Water	02/13/24 14:12	02/23/24 12:20
160-53264-14	24020002-014	Water	02/13/24 12:40	02/23/24 12:20
160-53264-15	24020002-015	Water	02/13/24 12:11	02/23/24 12:20
160-53264-16	24020002-016	Water	02/19/24 11:56	02/23/24 12:20
160-53264-17	24020002-017	Water	02/19/24 12:20	02/23/24 12:20
160-53264-18	24020002-018	Water	02/19/24 13:18	02/23/24 12:20
160-53264-19	24020002-019	Water	02/19/24 14:21	02/23/24 12:20
160-53264-20	24020002-020	Water	02/19/24 14:05	02/23/24 12:20
160-53264-21	24020002-021	Water	02/20/24 09:21	02/23/24 12:20
160-53264-22	24020002-022	Water	02/20/24 09:40	02/23/24 12:20
160-53264-23	24020002-023	Water	02/20/24 10:25	02/23/24 12:20
160-53264-24	24020002-024	Water	02/20/24 11:10	02/23/24 12:20
160-53264-25	24020002-025	Water	02/15/24 14:22	02/23/24 12:20
160-53264-26	24020002-026	Water	02/21/24 10:11	02/23/24 12:20
160-53264-27	24020002-027	Water	02/20/24 14:26	02/23/24 12:20
160-53264-28	24020002-028	Water	02/20/24 13:18	02/23/24 12:20
160-53264-29	24020002-029	Water	02/19/24 12:03	02/23/24 12:20
160-53264-30	24020002-030	Water	02/19/24 13:27	02/23/24 12:20
160-53264-31	24020002-031	Water	02/14/24 10:23	02/23/24 12:20
160-53264-32	24020002-032	Water	02/19/24 14:56	02/23/24 12:20
160-53264-33	24020002-033	Water	02/14/24 11:35	02/23/24 12:20
160-53264-34	24020002-034	Water	02/14/24 14:58	02/23/24 12:20
160-53264-35	24020002-035	Water	02/14/24 13:42	02/23/24 12:20
160-53264-36	24020002-036	Water	02/16/24 10:04	02/23/24 12:20
160-53264-37	24020002-037	Water	02/19/24 11:24	02/23/24 12:20
160-53264-38	24020002-038	Water	02/19/24 14:11	02/23/24 12:20
160-53264-39	24020002-039	Water	02/13/24 14:19	02/23/24 12:20
160-53264-40	24020002-040	Water	02/13/24 13:11	02/23/24 12:20
160-53264-41	24020002-041	Water	02/13/24 12:20	02/23/24 12:20
160-53264-42	24020002-042	Water	02/14/24 12:45	02/23/24 12:20
160-53264-43	24020002-043	Water	02/13/24 11:31	02/23/24 12:20
160-53264-44	24020002-044	Water	02/21/24 12:46	02/23/24 12:20
160-53264-45	24020002-045	Water	02/21/24 13:44	02/23/24 12:20
160-53264-46	24020002-046	Water	02/21/24 11:43	02/23/24 12:20
160-53264-47	24020002-047	Water	02/21/24 10:37	02/23/24 12:20
160-53264-48	24020002-048	Water	02/21/24 11:09	02/23/24 12:20
160-53264-49	24020002-049	Water	02/21/24 12:11	02/23/24 12:20
160-53264-50	24020002-050	Water	02/20/24 10:15	02/23/24 12:20
160-53264-51	24020002-051	Water	02/20/24 11:18	02/23/24 12:20
160-53264-52	24020002-052	Water	02/20/24 12:13	02/23/24 12:20
160-53264-53	24020002-053	Water	02/20/24 14:05	02/23/24 12:20
160-53264-54	24020002-054	Water	02/21/24 15:03	02/23/24 12:20



Sample Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Job ID: 160-53264-1
SDG: 24020002

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-53264-55	24020002-055	Water	02/21/24 09:03	02/23/24 12:20
160-53264-56	24020002-056	Water	02/19/24 13:18	02/23/24 12:20
160-53264-57	24020002-057	Water	02/19/24 12:03	02/23/24 12:20
160-53264-58	24020002-058	Water	02/20/24 14:05	02/23/24 12:20
160-53264-59	24020002-059	Water	02/21/24 14:58	02/23/24 12:20

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

Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-001
 Date Collected: 02/15/24 13:23
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-1
 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	0.137		0.0852	0.0861	1.00	0.113	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		30 - 110					02/27/24 09:54	03/20/24 09:35	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	0.514		0.346	0.349	1.00	0.509	pCi/L	02/27/24 09:58	03/12/24 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.1		30 - 110					02/27/24 09:58	03/12/24 12:33	1
Y Carrier	85.2		30 - 110					02/27/24 09:58	03/12/24 12:33	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	0.651		0.356	0.359	5.00	0.509	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-002
 Date Collected: 02/19/24 09:11
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-2
 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	0.0514	U	0.0660	0.0662	1.00	0.110	pCi/L	02/27/24 09:54	03/20/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					02/27/24 09:54	03/20/24 09:36	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	0.342	U	0.338	0.340	1.00	0.544	pCi/L	02/27/24 09:58	03/12/24 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					02/27/24 09:58	03/12/24 12:33	1
Y Carrier	83.7		30 - 110					02/27/24 09:58	03/12/24 12:33	1

Client Sample Results

245 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Client Sample ID: 24020002-003

Lab Sample ID: 160-53264-3

Date Collected: 02/19/24 11:09

Matrix: Water

Date Received: 02/23/24 12:20

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	0.181	U	0.174	0.174	1.00	0.272	pCi/L	02/27/24 09:54	03/20/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					02/27/24 09:54	03/20/24 09:36	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	0.287	U G	0.779	0.780	1.00	1.37	pCi/L	02/27/24 09:58	03/12/24 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					02/27/24 09:58	03/12/24 12:33	1
Y Carrier	85.6		30 - 110					02/27/24 09:58	03/12/24 12:33	1

Client Sample ID: 24020002-004

Lab Sample ID: 160-53264-4

Date Collected: 02/19/24 10:09

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0396	U	0.0692	0.0693	1.00	0.121	pCi/L	02/27/24 09:54	03/20/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110					02/27/24 09:54	03/20/24 09:36	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	0.400	U	0.313	0.315	1.00	0.480	pCi/L	02/27/24 09:58	03/12/24 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110					02/27/24 09:58	03/12/24 12:33	1
Y Carrier	84.1		30 - 110					02/27/24 09:58	03/12/24 12:33	1

Client Sample ID: 24020002-005

Lab Sample ID: 160-53264-5

Date Collected: 02/19/24 09:48

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0981	U	0.106	0.107	1.00	0.171	pCi/L	02/27/24 09:54	03/20/24 09:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					02/27/24 09:54	03/20/24 09:36	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEE POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-005

Lab Sample ID: 160-53264-5

Date Collected: 02/19/24 09:48

Matrix: Water

Date Received: 02/23/24 12:20

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	0.254	U	0.549	0.550	1.00	0.948	pCi/L	02/27/24 09:58	03/12/24 12:33	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					02/27/24 09:58	03/12/24 12:33	1
Y Carrier	81.5		30 - 110					02/27/24 09:58	03/12/24 12:33	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	0.352	U	0.559	0.560	5.00	0.948	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-006

Lab Sample ID: 160-53264-6

Date Collected: 02/16/24 10:37

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0503	U	0.123	0.123	1.00	0.222	pCi/L	02/27/24 09:54	03/20/24 09:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		30 - 110					02/27/24 09:54	03/20/24 09:34	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	0.325	U G	0.676	0.677	1.00	1.17	pCi/L	02/27/24 09:58	03/12/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		30 - 110					02/27/24 09:58	03/12/24 12:27	1
Y Carrier	81.1		30 - 110					02/27/24 09:58	03/12/24 12:27	1

Client Sample ID: 24020002-007

Lab Sample ID: 160-53264-7

Date Collected: 02/21/24 09:03

Matrix: Water

Date Received: 02/23/24 12:20

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	0.100	U	0.0943	0.0947	1.00	0.144	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					02/27/24 09:54	03/20/24 09:35	1

Client Sample Results

945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEE POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Client Sample ID: 24020002-007

Lab Sample ID: 160-53264-7

Date Collected: 02/21/24 09:03

Matrix: Water

Date Received: 02/23/24 12:20

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	0.143	U	0.507	0.508	1.00	0.901	pCi/L	02/27/24 09:58	03/12/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					02/27/24 09:58	03/12/24 12:27	1
Y Carrier	78.9		30 - 110					02/27/24 09:58	03/12/24 12:27	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	0.243	U	0.516	0.517	5.00	0.901	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-008

Lab Sample ID: 160-53264-8

Date Collected: 02/13/24 11:44

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0459	U	0.0632	0.0633	1.00	0.107	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110					02/27/24 09:54	03/20/24 09:35	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	U	0.355	0.358	1.00	0.548	pCi/L	02/27/24 09:58	03/12/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110					02/27/24 09:58	03/12/24 12:27	1
Y Carrier	83.7		30 - 110					02/27/24 09:58	03/12/24 12:27	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	0.500	U	0.361	0.364	5.00	0.548	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-009

Lab Sample ID: 160-53264-9

Date Collected: 02/16/24 09:31

Matrix: Water

Date Received: 02/23/24 12:20

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	0.113	U	0.0867	0.0873	1.00	0.123	pCi/L	02/27/24 09:54	03/20/24 09:35	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-009
Date Collected: 02/16/24 09:31
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-9
Matrix: Water

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110	02/27/24 09:54	03/20/24 09:35	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	0.656	U	0.445	0.449	1.00	0.669	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	103		30 - 110	02/27/24 09:58	03/12/24 12:27	1
Y Carrier	85.2		30 - 110	02/27/24 09:58	03/12/24 12:27	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	0.769		0.453	0.457	5.00	0.669	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-010
Date Collected: 02/13/24 10:30
Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-10
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	0.139	U	0.122	0.122	1.00	0.186	pCi/L	02/27/24 09:54	03/20/24 09:35	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110	02/27/24 09:54	03/20/24 09:35	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	0.342	U	0.431	0.432	1.00	0.716	pCi/L	02/27/24 09:58	03/12/24 12:27	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110	02/27/24 09:58	03/12/24 12:27	1
Y Carrier	85.2		30 - 110	02/27/24 09:58	03/12/24 12:27	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	0.481	U	0.448	0.449	5.00	0.716	pCi/L		03/21/24 22:32	1

Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-011
 Date Collected: 02/14/24 10:17
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-11
 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	0.0653	U	0.0621	0.0623	1.00	0.0951	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 09:54	03/20/24 09:35	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	0.567		0.335	0.339	1.00	0.483	pCi/L	02/27/24 09:58	03/12/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 09:58	03/12/24 12:27	1
Y Carrier	83.4		30 - 110					02/27/24 09:58	03/12/24 12:27	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	0.632		0.341	0.345	5.00	0.483	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-012
 Date Collected: 02/14/24 09:55
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-12
 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	0.0893	U	0.0980	0.0983	1.00	0.157	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 09:54	03/20/24 09:35	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	0.173	U	0.409	0.409	1.00	0.716	pCi/L	02/27/24 09:58	03/12/24 12:27	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 09:58	03/12/24 12:27	1
Y Carrier	83.4		30 - 110					02/27/24 09:58	03/12/24 12:27	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	0.263	U	0.421	0.421	5.00	0.716	pCi/L		03/21/24 22:32	1

Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-013

Lab Sample ID: 160-53264-13

Date Collected: 02/13/24 14:12

Matrix: Water

Date Received: 02/23/24 12:20

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	0.231		0.0939	0.0962	1.00	0.0935	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110					02/27/24 09:54	03/20/24 09:35	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	0.789		0.403	0.409	1.00	0.563	pCi/L	02/27/24 09:58	03/12/24 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110					02/27/24 09:58	03/12/24 12:28	1
Y Carrier	81.1		30 - 110					02/27/24 09:58	03/12/24 12:28	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	1.02		0.414	0.420	5.00	0.563	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-014

Lab Sample ID: 160-53264-14

Date Collected: 02/13/24 12:40

Matrix: Water

Date Received: 02/23/24 12:20

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	0.194		0.0938	0.0954	1.00	0.115	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 09:54	03/20/24 09:35	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	0.498		0.317	0.320	1.00	0.462	pCi/L	02/27/24 09:58	03/12/24 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 09:58	03/12/24 12:28	1
Y Carrier	87.5		30 - 110					02/27/24 09:58	03/12/24 12:28	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	0.692		0.331	0.334	5.00	0.462	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-015

Lab Sample ID: 160-53264-15

Date Collected: 02/13/24 12:11

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0756	U	0.118	0.118	1.00	0.202	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					02/27/24 09:54	03/20/24 09:35	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	0.346	U	0.428	0.429	1.00	0.709	pCi/L	02/27/24 09:58	03/12/24 12:28	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					02/27/24 09:58	03/12/24 12:28	1
Y Carrier	86.7		30 - 110					02/27/24 09:58	03/12/24 12:28	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	0.422	U	0.444	0.445	5.00	0.709	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-016

Lab Sample ID: 160-53264-16

Date Collected: 02/19/24 11:56

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0830	U	0.0879	0.0882	1.00	0.138	pCi/L	02/27/24 09:59	03/20/24 15:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 09:59	03/20/24 15:01	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	0.162	U	0.482	0.483	1.00	0.855	pCi/L	02/27/24 10:01	03/15/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 10:01	03/15/24 12:09	1
Y Carrier	67.3		30 - 110					02/27/24 10:01	03/15/24 12:09	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	0.245	U	0.490	0.491	5.00	0.855	pCi/L		03/21/24 22:32	1

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Client Sample Results

945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Client Sample ID: 24020002-017

Lab Sample ID: 160-53264-17

Date Collected: 02/19/24 12:20

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0535	U	0.0660	0.0662	1.00	0.108	pCi/L	02/27/24 09:59	03/20/24 15:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.2		30 - 110					02/27/24 09:59	03/20/24 15:01	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	0.941		0.461	0.469	1.00	0.632	pCi/L	02/27/24 10:01	03/15/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.2		30 - 110					02/27/24 10:01	03/15/24 12:09	1
Y Carrier	67.7		30 - 110					02/27/24 10:01	03/15/24 12:09	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	0.994		0.466	0.474	5.00	0.632	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-018

Lab Sample ID: 160-53264-18

Date Collected: 02/19/24 13:18

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0891	U	0.104	0.104	1.00	0.169	pCi/L	02/27/24 09:59	03/20/24 15:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					02/27/24 09:59	03/20/24 15:12	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	0.557	U	0.494	0.497	1.00	0.781	pCi/L	02/27/24 10:01	03/15/24 12:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.4		30 - 110					02/27/24 10:01	03/15/24 12:09	1
Y Carrier	77.4		30 - 110					02/27/24 10:01	03/15/24 12:09	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	0.646	U	0.505	0.508	5.00	0.781	pCi/L		03/21/24 22:32	1

Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-019

Lab Sample ID: 160-53264-19

Date Collected: 02/19/24 14:21

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0508	U	0.0742	0.0743	1.00	0.127	pCi/L	02/27/24 09:59	03/20/24 15:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 09:59	03/20/24 15:12	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	-0.0808	U	0.251	0.251	1.00	0.497	pCi/L	02/27/24 10:01	03/15/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 10:01	03/15/24 12:10	1
Y Carrier	81.5		30 - 110					02/27/24 10:01	03/15/24 12:10	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	0.0508	U	0.262	0.262	5.00	0.497	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-020

Lab Sample ID: 160-53264-20

Date Collected: 02/19/24 14:05

Matrix: Water

Date Received: 02/23/24 12:20

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	0.336		0.160	0.163	1.00	0.193	pCi/L	02/27/24 09:59	03/20/24 15:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					02/27/24 09:59	03/20/24 15:12	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	0.524	U	0.509	0.511	1.00	0.813	pCi/L	02/27/24 10:01	03/15/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					02/27/24 10:01	03/15/24 12:10	1
Y Carrier	73.6		30 - 110					02/27/24 10:01	03/15/24 12:10	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	0.859		0.534	0.536	5.00	0.813	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-021

Lab Sample ID: 160-53264-21

Date Collected: 02/20/24 09:21

Matrix: Water

Date Received: 02/23/24 12:20

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	1.08		0.368	0.380	1.00	0.378	pCi/L	02/27/24 09:59	03/20/24 15:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.6		30 - 110					02/27/24 09:59	03/20/24 15:12	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	1.42	G	0.908	0.917	1.00	1.33	pCi/L	02/27/24 10:01	03/15/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	70.6		30 - 110					02/27/24 10:01	03/15/24 12:10	1
Y Carrier	80.4		30 - 110					02/27/24 10:01	03/15/24 12:10	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	2.50		0.980	0.993	5.00	1.33	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-022

Lab Sample ID: 160-53264-22

Date Collected: 02/20/24 09:40

Matrix: Water

Date Received: 02/23/24 12:20

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	0.104	U	0.0904	0.0909	1.00	0.138	pCi/L	02/27/24 09:59	03/20/24 15:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 09:59	03/20/24 15:12	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	0.0448	U	0.279	0.279	1.00	0.509	pCi/L	02/27/24 10:01	03/15/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 10:01	03/15/24 12:10	1
Y Carrier	81.1		30 - 110					02/27/24 10:01	03/15/24 12:10	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	0.149	U	0.293	0.293	5.00	0.509	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-023

Lab Sample ID: 160-53264-23

Date Collected: 02/20/24 10:25

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0925	0.0928	1.00	0.149	pCi/L	02/27/24 09:59	03/20/24 15:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 09:59	03/20/24 15:13	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	-0.00428	U	0.270	0.270	1.00	0.509	pCi/L	02/27/24 10:01	03/15/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 10:01	03/15/24 12:10	1
Y Carrier	78.5		30 - 110					02/27/24 10:01	03/15/24 12:10	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	0.285	0.286	5.00	0.509	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-024

Lab Sample ID: 160-53264-24

Date Collected: 02/20/24 11:10

Matrix: Water

Date Received: 02/23/24 12:20

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	0.109	U	0.158	0.158	1.00	0.270	pCi/L	02/27/24 09:59	03/20/24 15:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.2		30 - 110					02/27/24 09:59	03/20/24 15:13	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	1.77	G	0.910	0.925	1.00	1.24	pCi/L	02/27/24 10:01	03/15/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.2		30 - 110					02/27/24 10:01	03/15/24 12:10	1
Y Carrier	74.0		30 - 110					02/27/24 10:01	03/15/24 12:10	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	1.88		0.924	0.938	5.00	1.24	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-025

Lab Sample ID: 160-53264-25

Date Collected: 02/15/24 14:22

Matrix: Water

Date Received: 02/23/24 12:20

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	0.254	U	0.251	0.252	1.00	0.388	pCi/L	02/27/24 09:59	03/20/24 15:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	52.0		30 - 110					02/27/24 09:59	03/20/24 15:13	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	1.79	U G	1.30	1.31	1.00	1.97	pCi/L	02/27/24 10:01	03/15/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	52.0		30 - 110					02/27/24 10:01	03/15/24 12:10	1
Y Carrier	81.9		30 - 110					02/27/24 10:01	03/15/24 12:10	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	2.04		1.32	1.33	5.00	1.97	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-026

Lab Sample ID: 160-53264-26

Date Collected: 02/21/24 10:11

Matrix: Water

Date Received: 02/23/24 12:20

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	0.223		0.107	0.109	1.00	0.122	pCi/L	02/27/24 09:59	03/20/24 15:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					02/27/24 09:59	03/20/24 15:13	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		0.435	0.445	1.00	0.567	pCi/L	02/27/24 10:01	03/15/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					02/27/24 10:01	03/15/24 12:11	1
Y Carrier	81.5		30 - 110					02/27/24 10:01	03/15/24 12:11	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	1.24		0.448	0.458	5.00	0.567	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-027
 Date Collected: 02/20/24 14:26
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-27
 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	0.0870	U	0.103	0.103	1.00	0.169	pCi/L	02/27/24 09:59	03/20/24 15:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110					02/27/24 09:59	03/20/24 15:13	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	0.689	U	0.505	0.509	1.00	0.779	pCi/L	02/27/24 10:01	03/15/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110					02/27/24 10:01	03/15/24 12:11	1
Y Carrier	68.8		30 - 110					02/27/24 10:01	03/15/24 12:11	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	0.776	U	0.515	0.519	5.00	0.779	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-028
 Date Collected: 02/20/24 13:18
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-28
 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	0.363		0.144	0.148	1.00	0.149	pCi/L	02/27/24 09:59	03/20/24 15:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					02/27/24 09:59	03/20/24 15:13	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	0.680		0.439	0.444	1.00	0.644	pCi/L	02/27/24 10:01	03/15/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					02/27/24 10:01	03/15/24 12:11	1
Y Carrier	78.9		30 - 110					02/27/24 10:01	03/15/24 12:11	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	1.04		0.462	0.468	5.00	0.644	pCi/L		03/21/24 22:32	1

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Client Sample Results

945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Client Sample ID: 24020002-029

Lab Sample ID: 160-53264-29

Date Collected: 02/19/24 12:03

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0195	U	0.0950	0.0950	1.00	0.184	pCi/L	02/27/24 09:59	03/20/24 15:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					02/27/24 09:59	03/20/24 15:13	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	-0.186	U	0.451	0.451	1.00	0.862	pCi/L	02/27/24 10:01	03/15/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					02/27/24 10:01	03/15/24 12:11	1
Y Carrier	81.9		30 - 110					02/27/24 10:01	03/15/24 12:11	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	0.0195	U	0.461	0.461	5.00	0.862	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-030

Lab Sample ID: 160-53264-30

Date Collected: 02/19/24 13:27

Matrix: Water

Date Received: 02/23/24 12:20

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	0.158		0.108	0.109	1.00	0.143	pCi/L	02/27/24 09:59	03/20/24 15:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					02/27/24 09:59	03/20/24 15:14	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	-0.241	U	0.389	0.390	1.00	0.779	pCi/L	02/27/24 10:01	03/15/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					02/27/24 10:01	03/15/24 12:04	1
Y Carrier	81.9		30 - 110					02/27/24 10:01	03/15/24 12:04	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	0.158	U	0.404	0.405	5.00	0.779	pCi/L		03/21/24 22:32	1

Client Sample Results

945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Client Sample ID: 24020002-031

Lab Sample ID: 160-53264-31

Date Collected: 02/14/24 10:23

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0431	U	0.0778	0.0779	1.00	0.137	pCi/L	02/27/24 09:59	03/20/24 15:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					02/27/24 09:59	03/20/24 15:14	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	0.249	U	0.301	0.302	1.00	0.498	pCi/L	02/27/24 10:01	03/15/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	97.7		30 - 110					02/27/24 10:01	03/15/24 12:04	1
Y Carrier	83.0		30 - 110					02/27/24 10:01	03/15/24 12:04	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	0.292	U	0.311	0.312	5.00	0.498	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-032

Lab Sample ID: 160-53264-32

Date Collected: 02/19/24 14:56

Matrix: Water

Date Received: 02/23/24 12:20

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	0.106	0.107	1.00	0.169	pCi/L	02/27/24 09:59	03/20/24 15:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					02/27/24 09:59	03/20/24 15:14	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	-0.0381	U	0.270	0.270	1.00	0.513	pCi/L	02/27/24 10:01	03/15/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					02/27/24 10:01	03/15/24 12:04	1
Y Carrier	84.1		30 - 110					02/27/24 10:01	03/15/24 12:04	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	0.106	U	0.290	0.290	5.00	0.513	pCi/L		03/21/24 22:32	1

Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-033

Lab Sample ID: 160-53264-33

Date Collected: 02/14/24 11:35

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0488	U	0.0934	0.0935	1.00	0.165	pCi/L	02/27/24 09:59	03/20/24 15:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					02/27/24 09:59	03/20/24 15:14	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	0.223	U	0.331	0.332	1.00	0.559	pCi/L	02/27/24 10:01	03/15/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.4		30 - 110					02/27/24 10:01	03/15/24 12:04	1
Y Carrier	78.9		30 - 110					02/27/24 10:01	03/15/24 12:04	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	0.272	U	0.344	0.345	5.00	0.559	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-034

Lab Sample ID: 160-53264-34

Date Collected: 02/14/24 14:58

Matrix: Water

Date Received: 02/23/24 12:20

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	0.306	U	0.216	0.218	1.00	0.310	pCi/L	02/27/24 09:59	03/20/24 15:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					02/27/24 09:59	03/20/24 15:07	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	0.0757	U G	0.603	0.603	1.00	1.11	pCi/L	02/27/24 10:01	03/15/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.2		30 - 110					02/27/24 10:01	03/15/24 12:04	1
Y Carrier	85.2		30 - 110					02/27/24 10:01	03/15/24 12:04	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	0.382	U	0.641	0.641	5.00	1.11	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-035

Lab Sample ID: 160-53264-35

Date Collected: 02/14/24 13:42

Matrix: Water

Date Received: 02/23/24 12:20

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	0.205		0.113	0.115	1.00	0.151	pCi/L	02/27/24 09:59	03/20/24 15:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					02/27/24 09:59	03/20/24 15:07	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	0.113	U	0.314	0.314	1.00	0.555	pCi/L	02/27/24 10:01	03/15/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					02/27/24 10:01	03/15/24 12:04	1
Y Carrier	82.6		30 - 110					02/27/24 10:01	03/15/24 12:04	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	0.318	U	0.334	0.334	5.00	0.555	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-036

Lab Sample ID: 160-53264-36

Date Collected: 02/16/24 10:04

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0476	U	0.0930	0.0931	1.00	0.166	pCi/L	02/27/24 10:02	03/20/24 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		30 - 110					02/27/24 10:02	03/20/24 09:29	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	-0.0187	U	0.471	0.471	1.00	0.892	pCi/L	02/27/24 10:05	03/14/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.2		30 - 110					02/27/24 10:05	03/14/24 12:22	1
Y Carrier	63.2		30 - 110					02/27/24 10:05	03/14/24 12:22	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	0.0476	U	0.480	0.480	5.00	0.892	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-037

Lab Sample ID: 160-53264-37

Date Collected: 02/19/24 11:24

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0796	0.0801	1.00	0.114	pCi/L	02/27/24 10:02	03/20/24 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.7		30 - 110					02/27/24 10:02	03/20/24 09:29	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	0.299	U	0.410	0.411	1.00	0.688	pCi/L	02/27/24 10:05	03/14/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.7		30 - 110					02/27/24 10:05	03/14/24 12:22	1
Y Carrier	68.4		30 - 110					02/27/24 10:05	03/14/24 12:22	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	0.401	U	0.418	0.419	5.00	0.688	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-038

Lab Sample ID: 160-53264-38

Date Collected: 02/19/24 14:11

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0388	U	0.0553	0.0554	1.00	0.0941	pCi/L	02/27/24 10:02	03/20/24 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					02/27/24 10:02	03/20/24 09:29	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	0.197	U	0.305	0.305	1.00	0.518	pCi/L	02/27/24 10:05	03/14/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					02/27/24 10:05	03/14/24 12:22	1
Y Carrier	81.5		30 - 110					02/27/24 10:05	03/14/24 12:22	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	0.235	U	0.310	0.310	5.00	0.518	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-039

Lab Sample ID: 160-53264-39

Date Collected: 02/13/24 14:19

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0791	U	0.0711	0.0714	1.00	0.107	pCi/L	02/27/24 10:02	03/20/24 09:29	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					02/27/24 10:02	03/20/24 09:29	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	0.260	U	0.307	0.308	1.00	0.506	pCi/L	02/27/24 10:05	03/14/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	100		30 - 110					02/27/24 10:05	03/14/24 12:22	1
Y Carrier	79.6		30 - 110					02/27/24 10:05	03/14/24 12:22	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	0.339	U	0.315	0.316	5.00	0.506	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-040

Lab Sample ID: 160-53264-40

Date Collected: 02/13/24 13:11

Matrix: Water

Date Received: 02/23/24 12:20

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	0.270		0.130	0.133	1.00	0.152	pCi/L	02/27/24 10:02	03/20/24 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110					02/27/24 10:02	03/20/24 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	0.111	U	0.359	0.360	1.00	0.648	pCi/L	02/27/24 10:05	03/14/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.2		30 - 110					02/27/24 10:05	03/14/24 12:22	1
Y Carrier	83.7		30 - 110					02/27/24 10:05	03/14/24 12:22	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	0.381	U	0.382	0.384	5.00	0.648	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-041
 Date Collected: 02/13/24 12:20
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-41
 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	0.810		0.201	0.214	1.00	0.131	pCi/L	02/27/24 10:02	03/20/24 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					02/27/24 10:02	03/20/24 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	0.800		0.499	0.505	1.00	0.736	pCi/L	02/27/24 10:05	03/14/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.1		30 - 110					02/27/24 10:05	03/14/24 12:22	1
Y Carrier	84.1		30 - 110					02/27/24 10:05	03/14/24 12:22	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	1.61		0.538	0.548	5.00	0.736	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-042
 Date Collected: 02/14/24 12:45
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-42
 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	0.0359	U	0.0518	0.0519	1.00	0.0884	pCi/L	02/27/24 10:02	03/20/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					02/27/24 10:02	03/20/24 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	0.288	U	0.335	0.336	1.00	0.551	pCi/L	02/27/24 10:05	03/14/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					02/27/24 10:05	03/14/24 12:23	1
Y Carrier	83.0		30 - 110					02/27/24 10:05	03/14/24 12:23	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	0.324	U	0.339	0.340	5.00	0.551	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-043

Lab Sample ID: 160-53264-43

Date Collected: 02/13/24 11:31

Matrix: Water

Date Received: 02/23/24 12:20

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	0.131	U	0.0994	0.100	1.00	0.140	pCi/L	02/27/24 10:02	03/20/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					02/27/24 10:02	03/20/24 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	0.727		0.457	0.462	1.00	0.670	pCi/L	02/27/24 10:05	03/14/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.5		30 - 110					02/27/24 10:05	03/14/24 12:23	1
Y Carrier	81.9		30 - 110					02/27/24 10:05	03/14/24 12:23	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	0.858		0.468	0.473	5.00	0.670	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-044

Lab Sample ID: 160-53264-44

Date Collected: 02/21/24 12:46

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0626	U	0.0729	0.0731	1.00	0.119	pCi/L	02/27/24 10:02	03/20/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110					02/27/24 10:02	03/20/24 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	0.148	U	0.277	0.277	1.00	0.481	pCi/L	02/27/24 10:05	03/14/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110					02/27/24 10:05	03/14/24 12:23	1
Y Carrier	81.9		30 - 110					02/27/24 10:05	03/14/24 12:23	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	0.211	U	0.286	0.286	5.00	0.481	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-045
 Date Collected: 02/21/24 13:44
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-45
 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	0.0955	U	0.129	0.129	1.00	0.216	pCi/L	02/27/24 10:02	03/20/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	56.3		30 - 110					02/27/24 10:02	03/20/24 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	5.10	G	1.24	1.32	1.00	1.30	pCi/L	02/27/24 10:05	03/14/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	56.3		30 - 110					02/27/24 10:05	03/14/24 12:23	1
Y Carrier	81.9		30 - 110					02/27/24 10:05	03/14/24 12:23	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	5.19		1.25	1.33	5.00	1.30	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-046
 Date Collected: 02/21/24 11:43
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-46
 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	0.0789	U	0.0864	0.0867	1.00	0.137	pCi/L	02/27/24 10:02	03/20/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					02/27/24 10:02	03/20/24 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	0.251	U	0.427	0.428	1.00	0.734	pCi/L	02/27/24 10:05	03/14/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					02/27/24 10:05	03/14/24 12:23	1
Y Carrier	81.5		30 - 110					02/27/24 10:05	03/14/24 12:23	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	0.330	U	0.436	0.437	5.00	0.734	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-047

Lab Sample ID: 160-53264-47

Date Collected: 02/21/24 10:37

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0996	0.100	1.00	0.160	pCi/L	02/27/24 10:02	03/20/24 09:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.7		30 - 110					02/27/24 10:02	03/20/24 09:42	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	-0.0478	U	0.342	0.342	1.00	0.641	pCi/L	02/27/24 10:05	03/14/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.7		30 - 110					02/27/24 10:05	03/14/24 12:23	1
Y Carrier	86.0		30 - 110					02/27/24 10:05	03/14/24 12:23	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	0.0931	U	0.356	0.356	5.00	0.641	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-048

Lab Sample ID: 160-53264-48

Date Collected: 02/21/24 11:09

Matrix: Water

Date Received: 02/23/24 12:20

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	0.00785	U	0.0544	0.0544	1.00	0.109	pCi/L	02/27/24 10:02	03/20/24 14:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					02/27/24 10:02	03/20/24 14:59	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	0.227	U	0.266	0.267	1.00	0.437	pCi/L	02/27/24 10:05	03/14/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					02/27/24 10:05	03/14/24 12:24	1
Y Carrier	91.6		30 - 110					02/27/24 10:05	03/14/24 12:24	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	0.235	U	0.272	0.272	5.00	0.437	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-049
 Date Collected: 02/21/24 12:11
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-49
 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	0.0194	U	0.0556	0.0556	1.00	0.106	pCi/L	02/27/24 10:02	03/20/24 14:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					02/27/24 10:02	03/20/24 14:59	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	0.463	0.465	1.00	0.750	pCi/L	02/27/24 10:05	03/14/24 12:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.4		30 - 110					02/27/24 10:05	03/14/24 12:24	1
Y Carrier	75.9		30 - 110					02/27/24 10:05	03/14/24 12:24	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	0.487	U	0.466	0.468	5.00	0.750	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-050
 Date Collected: 02/20/24 10:15
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-50
 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	0.0866	U	0.0831	0.0835	1.00	0.129	pCi/L	02/27/24 10:02	03/20/24 14:59	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					02/27/24 10:02	03/20/24 14:59	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	0.557	U	0.426	0.429	1.00	0.661	pCi/L	02/27/24 10:05	03/14/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					02/27/24 10:05	03/14/24 12:17	1
Y Carrier	78.1		30 - 110					02/27/24 10:05	03/14/24 12:17	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	0.644	U	0.434	0.437	5.00	0.661	pCi/L		03/21/24 22:32	1

Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-051

Lab Sample ID: 160-53264-51

Date Collected: 02/20/24 11:18

Matrix: Water

Date Received: 02/23/24 12:20

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		0.100	0.101	1.00	0.122	pCi/L	02/27/24 10:02	03/20/24 15:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 10:02	03/20/24 15:00	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	0.180	U	0.375	0.375	1.00	0.651	pCi/L	02/27/24 10:05	03/14/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 10:05	03/14/24 12:17	1
Y Carrier	89.7		30 - 110					02/27/24 10:05	03/14/24 12:17	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	0.352	U	0.388	0.388	5.00	0.651	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-052

Lab Sample ID: 160-53264-52

Date Collected: 02/20/24 12:13

Matrix: Water

Date Received: 02/23/24 12:20

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	-0.0218	U	0.0441	0.0441	1.00	0.108	pCi/L	02/27/24 10:02	03/20/24 15:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110					02/27/24 10:02	03/20/24 15:00	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	-0.0283	U	0.248	0.248	1.00	0.476	pCi/L	02/27/24 10:05	03/14/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110					02/27/24 10:05	03/14/24 12:17	1
Y Carrier	85.6		30 - 110					02/27/24 10:05	03/14/24 12:17	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	0.000	U	0.252	0.252	5.00	0.476	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-053

Lab Sample ID: 160-53264-53

Date Collected: 02/20/24 14:05

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0460	U	0.0643	0.0645	1.00	0.109	pCi/L	02/27/24 10:02	03/20/24 15:00	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110					02/27/24 10:02	03/20/24 15:00	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	0.328	U	0.322	0.323	1.00	0.517	pCi/L	02/27/24 10:05	03/14/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.2		30 - 110					02/27/24 10:05	03/14/24 12:17	1
Y Carrier	87.5		30 - 110					02/27/24 10:05	03/14/24 12:17	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	0.328	0.329	5.00	0.517	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-054

Lab Sample ID: 160-53264-54

Date Collected: 02/21/24 15:03

Matrix: Water

Date Received: 02/23/24 12:20

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	-0.0161	U	0.0346	0.0346	1.00	0.0923	pCi/L	02/27/24 10:02	03/20/24 15:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 10:02	03/20/24 15:01	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	0.366	U	0.325	0.326	1.00	0.513	pCi/L	02/27/24 10:05	03/14/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	101		30 - 110					02/27/24 10:05	03/14/24 12:17	1
Y Carrier	83.7		30 - 110					02/27/24 10:05	03/14/24 12:17	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	0.366	U	0.327	0.328	5.00	0.513	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-055
 Date Collected: 02/21/24 09:03
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-55
 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	0.113		0.0740	0.0747	1.00	0.0928	pCi/L	02/27/24 10:02	03/20/24 15:01	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					02/27/24 10:02	03/20/24 15:01	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	0.168	U	0.318	0.318	1.00	0.552	pCi/L	02/27/24 10:05	03/14/24 12:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					02/27/24 10:05	03/14/24 12:17	1
Y Carrier	79.6		30 - 110					02/27/24 10:05	03/14/24 12:17	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	0.281	U	0.326	0.327	5.00	0.552	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-056
 Date Collected: 02/19/24 13:18
 Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-56
 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	0.116	U	0.0824	0.0830	1.00	0.117	pCi/L	02/27/24 10:05	03/20/24 07:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					02/27/24 10:05	03/20/24 07:16	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	0.224	U	0.304	0.305	1.00	0.509	pCi/L	02/27/24 10:09	03/13/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					02/27/24 10:09	03/13/24 12:12	1
Y Carrier	81.9		30 - 110					02/27/24 10:09	03/13/24 12:12	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	0.340	U	0.315	0.316	5.00	0.509	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-057

Lab Sample ID: 160-53264-57

Date Collected: 02/19/24 12:03

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0631	U	0.0662	0.0664	1.00	0.104	pCi/L	02/27/24 10:05	03/20/24 07:16	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					02/27/24 10:05	03/20/24 07:16	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	0.192	U	0.318	0.318	1.00	0.542	pCi/L	02/27/24 10:09	03/13/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					02/27/24 10:09	03/13/24 12:12	1
Y Carrier	86.4		30 - 110					02/27/24 10:09	03/13/24 12:12	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	0.255	U	0.325	0.325	5.00	0.542	pCi/L		03/21/24 22:32	1

Client Sample ID: 24020002-058

Lab Sample ID: 160-53264-58

Date Collected: 02/20/24 14:05

Matrix: Water

Date Received: 02/23/24 12:20

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	0.183		0.103	0.105	1.00	0.124	pCi/L	02/27/24 10:05	03/20/24 07:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					02/27/24 10:05	03/20/24 07:17	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	0.106	U	0.433	0.433	1.00	0.775	pCi/L	02/27/24 10:09	03/13/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.9		30 - 110					02/27/24 10:09	03/13/24 12:12	1
Y Carrier	84.9		30 - 110					02/27/24 10:09	03/13/24 12:12	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	0.290	U	0.445	0.446	5.00	0.775	pCi/L		03/21/24 22:32	1

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Client Sample Results

ATTACHMENT B.
 945 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 Job No: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24020002-059

Lab Sample ID: 160-53264-59

Date Collected: 02/21/24 14:58

Matrix: Water

Date Received: 02/23/24 12:20

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	0.0762	U	0.0684	0.0688	1.00	0.103	pCi/L	02/27/24 10:05	03/20/24 07:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 10:05	03/20/24 07:17	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	0.218	U	0.293	0.294	1.00	0.489	pCi/L	02/27/24 10:09	03/13/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					02/27/24 10:09	03/13/24 12:12	1
Y Carrier	126	X	30 - 110					02/27/24 10:09	03/13/24 12:12	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	0.294	U	0.301	0.302	5.00	0.489	pCi/L		03/21/24 22:32	1

QC Sample Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-649957/1-A
Matrix: Water
Analysis Batch: 653266

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649957

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.07810	U	0.0845	0.0848	1.00	0.136	pCi/L	02/27/24 09:54	03/20/24 07:35	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	99.7		30 - 110					02/27/24 09:54	03/20/24 07:35	1

Lab Sample ID: LCS 160-649957/2-A
Matrix: Water
Analysis Batch: 653266

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649957

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	9.939		1.04	1.00	0.0956	pCi/L	88	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Ba Carrier	101		30 - 110					02/27/24 09:54	03/20/24 07:35

Lab Sample ID: 160-53264-2 DU
Matrix: Water
Analysis Batch: 653266

Client Sample ID: 24020002-002
Prep Type: Total/NA
Prep Batch: 649957

Analyte	Sample		DU		Total	RL	MDC	Unit	RER	RER Limit
	Result	Sample Qual	Result	DU Qual	Uncert. (2σ+/-)					
Radium-226	0.0514	U	0.07438	U	0.0744	1.00	0.116	pCi/L	0.16	1
Carrier	DU %Yield	DU Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	96.2		30 - 110					02/27/24 09:59	03/20/24 15:01	1

Lab Sample ID: MB 160-649959/1-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649959

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	0.01135	U	0.0576	0.0576	1.00	0.115	pCi/L	02/27/24 09:59	03/20/24 15:01	1
Carrier	MB %Yield	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac			
Ba Carrier	96.7		30 - 110					02/27/24 09:59	03/20/24 15:01	1

Lab Sample ID: LCS 160-649959/2-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649959

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.90		1.15	1.00	0.122	pCi/L	96	75 - 125

Eurofins St. Louis

QC Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-649959/2-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649959

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	102		30 - 110

Lab Sample ID: 160-53264-22 DU
Matrix: Water
Analysis Batch: 653266

Client Sample ID: 24020002-022
Prep Type: Total/NA
Prep Batch: 649959

Analyte	Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
	Result	Qual								
Radium-226	0.104	U	0.05084	U	0.0868	1.00	0.151	pCi/L	0.30	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	94.4		30 - 110

Lab Sample ID: MB 160-649961/1-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649961

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-226	-0.02262	U	0.0427	0.0427	1.00	0.105	pCi/L	02/27/24 10:02	03/20/24 09:28	1

Carrier	MB %Yield	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	106		30 - 110	02/27/24 10:02	03/20/24 09:28	1

Lab Sample ID: LCS 160-649961/2-A
Matrix: Water
Analysis Batch: 653196

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649961

Analyte	Spike Added	LCS		Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
		Result	Qual						
Radium-226	11.3	10.33		1.09	1.00	0.101	pCi/L	91	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	103		30 - 110

Lab Sample ID: 160-53264-50 DU
Matrix: Water
Analysis Batch: 653196

Client Sample ID: 24020002-050
Prep Type: Total/NA
Prep Batch: 649961

Analyte	Sample		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
	Result	Qual								
Radium-226	0.0866	U	-0.02167	U	0.0454	1.00	0.110	pCi/L	0.84	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	96.7		30 - 110

QC Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: MB 160-649963/1-A
 Matrix: Water
 Analysis Batch: 653196

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 649963

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-226	-0.007554	U	0.0478	0.0478	1.00	0.105	pCi/L	02/27/24 10:05	03/20/24 07:16	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier						30 - 110	02/27/24 10:05	03/20/24 07:16

Lab Sample ID: LCS 160-649963/2-A
 Matrix: Water
 Analysis Batch: 653196

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 649963

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-226	11.3	10.23		1.08	1.00	0.0993	pCi/L	90	75 - 125
Carrier	LCS	LCS	Limits						
Ba Carrier	%Yield	Qualifier							

Lab Sample ID: 160-53264-59 DU
 Matrix: Water
 Analysis Batch: 653196

Client Sample ID: 24020002-059
 Prep Type: Total/NA
 Prep Batch: 649963

Analyte	Sample		DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Sample Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-226	0.0762	U	-0.00074	U	0.0492	1.00	0.104	pCi/L	0.65	1
Carrier	DU	DU	Limits							
Ba Carrier	%Yield	Qualifier								

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-649958/1-A
 Matrix: Water
 Analysis Batch: 652091

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 649958

Analyte	MB		Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	MB Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.3189	U	0.332	0.333	1.00	0.538	pCi/L	02/27/24 09:58	03/12/24 12:32	1
Carrier	MB		Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	%Yield	MB Qualifier						30 - 110	02/27/24 09:58	03/12/24 12:32
Y Carrier	84.1		30 - 110					02/27/24 09:58	03/12/24 12:32	1

QC Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-649958/2-A
 Matrix: Water
 Analysis Batch: 652091

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 649958

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.13	10.00		1.33	1.00	0.509	pCi/L	110	75 - 125
Carrier		LCS %Yield	LCS Qualifier	Limits					
Ba Carrier		101		30 - 110					
Y Carrier		82.2		30 - 110					

Lab Sample ID: 160-53264-2 DU
 Matrix: Water
 Analysis Batch: 652091

Client Sample ID: 24020002-002
 Prep Type: Total/NA
 Prep Batch: 649958

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.342	U	0.4988	U	0.356	1.00	0.531	pCi/L	0.23	1
Carrier		DU %Yield	DU Qualifier	Limits						
Ba Carrier		96.2		30 - 110						
Y Carrier		84.5		30 - 110						

Lab Sample ID: MB 160-649960/1-A
 Matrix: Water
 Analysis Batch: 652700

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 649960

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.3230	U	0.260	0.261	1.00	0.570	pCi/L	02/27/24 10:01	03/15/24 12:09	1
Carrier		MB %Yield	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Ba Carrier		96.7		30 - 110				02/27/24 10:01	03/15/24 12:09	1
Y Carrier		82.6		30 - 110				02/27/24 10:01	03/15/24 12:09	1

Lab Sample ID: LCS 160-649960/2-A
 Matrix: Water
 Analysis Batch: 652700

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 649960

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	9.12	9.604		1.29	1.00	0.549	pCi/L	105	75 - 125
Carrier		LCS %Yield	LCS Qualifier	Limits					
Ba Carrier		102		30 - 110					
Y Carrier		83.4		30 - 110					

QC Sample Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: 160-53264-22 DU
Matrix: Water
Analysis Batch: 652700

Client Sample ID: 24020002-022
Prep Type: Total/NA
Prep Batch: 649960

Analyte	Sample		DU		Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual						
Radium-228	0.0448	U	0.1492	U	0.350	1.00	0.613	pCi/L	0.17	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	94.4		30 - 110							
Y Carrier	75.5		30 - 110							

Lab Sample ID: MB 160-649962/1-A
Matrix: Water
Analysis Batch: 652406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 649962

Analyte	MB		Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier								
Radium-228	-0.1231	U	0.273	0.273	1.00	0.538	pCi/L	02/27/24 10:05	03/14/24 12:21	1
MB MB										
Carrier	%Yield	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Ba Carrier	106		30 - 110				02/27/24 10:05	03/14/24 12:21	1	
Y Carrier	84.1		30 - 110				02/27/24 10:05	03/14/24 12:21	1	

Lab Sample ID: LCS 160-649962/2-A
Matrix: Water
Analysis Batch: 652406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 649962

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	Limits
LCS LCS									
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	103		30 - 110						
Y Carrier	82.2		30 - 110						

Lab Sample ID: 160-53264-50 DU
Matrix: Water
Analysis Batch: 652408

Client Sample ID: 24020002-050
Prep Type: Total/NA
Prep Batch: 649962

Analyte	Sample		DU		Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual						
Radium-228	0.557	U	-0.04210	U	0.280	1.00	0.537	pCi/L	0.85	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	96.7		30 - 110							
Y Carrier	79.6		30 - 110							

QC Sample Results

ATTACHMENT B.

845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-649964/1-A
 Matrix: Water
 Analysis Batch: 652315

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 649964

Analyte	MB	MB	Count	Total	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
	Result	Qualifier	Uncert. (2σ+/-)	Uncert. (2σ+/-)						
Radium-228	0.004376	U	0.255	0.255	1.00	0.485	pCi/L	02/27/24 10:09	03/13/24 12:42	1
Carrier	MB %Yield	MB Qualifier	Limits				Prepared		Analyzed	
Ba Carrier	98.7		30 - 110				02/27/24 10:09		03/13/24 12:42	
Y Carrier	86.7		30 - 110				02/27/24 10:09		03/13/24 12:42	

Lab Sample ID: LCS 160-649964/2-A
 Matrix: Water
 Analysis Batch: 652315

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 649964

Analyte	Spike Added	LCS Result	LCS Qual	Total	RL	MDC	Unit	%Rec	%Rec Limits
				Uncert. (2σ+/-)					
Radium-228	9.13	10.56		1.40	1.00	0.571	pCi/L	116	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	98.5		30 - 110						
Y Carrier	84.9		30 - 110						

Lab Sample ID: 160-53264-59 DU
 Matrix: Water
 Analysis Batch: 652334

Client Sample ID: 24020002-059
 Prep Type: Total/NA
 Prep Batch: 649964

Analyte	Sample	Sample	DU	DU	Total	RL	MDC	Unit	RER	RER
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					Limit
Radium-228	0.218	U	-0.3747	U F	0.231	1.00	0.536	pCi/L	1.13	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	103		30 - 110							
Y Carrier	83.4		30 - 110							

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

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Rad

Prep Batch: 649957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-1	24020002-001	Total/NA	Water	PrecSep-21	
160-53264-2	24020002-002	Total/NA	Water	PrecSep-21	
160-53264-3	24020002-003	Total/NA	Water	PrecSep-21	
160-53264-4	24020002-004	Total/NA	Water	PrecSep-21	
160-53264-5	24020002-005	Total/NA	Water	PrecSep-21	
160-53264-6	24020002-006	Total/NA	Water	PrecSep-21	
160-53264-7	24020002-007	Total/NA	Water	PrecSep-21	
160-53264-8	24020002-008	Total/NA	Water	PrecSep-21	
160-53264-9	24020002-009	Total/NA	Water	PrecSep-21	
160-53264-10	24020002-010	Total/NA	Water	PrecSep-21	
160-53264-11	24020002-011	Total/NA	Water	PrecSep-21	
160-53264-12	24020002-012	Total/NA	Water	PrecSep-21	
160-53264-13	24020002-013	Total/NA	Water	PrecSep-21	
160-53264-14	24020002-014	Total/NA	Water	PrecSep-21	
160-53264-15	24020002-015	Total/NA	Water	PrecSep-21	
MB 160-649957/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649957/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53264-2 DU	24020002-002	Total/NA	Water	PrecSep-21	

Prep Batch: 649958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-1	24020002-001	Total/NA	Water	PrecSep_0	
160-53264-2	24020002-002	Total/NA	Water	PrecSep_0	
160-53264-3	24020002-003	Total/NA	Water	PrecSep_0	
160-53264-4	24020002-004	Total/NA	Water	PrecSep_0	
160-53264-5	24020002-005	Total/NA	Water	PrecSep_0	
160-53264-6	24020002-006	Total/NA	Water	PrecSep_0	
160-53264-7	24020002-007	Total/NA	Water	PrecSep_0	
160-53264-8	24020002-008	Total/NA	Water	PrecSep_0	
160-53264-9	24020002-009	Total/NA	Water	PrecSep_0	
160-53264-10	24020002-010	Total/NA	Water	PrecSep_0	
160-53264-11	24020002-011	Total/NA	Water	PrecSep_0	
160-53264-12	24020002-012	Total/NA	Water	PrecSep_0	
160-53264-13	24020002-013	Total/NA	Water	PrecSep_0	
160-53264-14	24020002-014	Total/NA	Water	PrecSep_0	
160-53264-15	24020002-015	Total/NA	Water	PrecSep_0	
MB 160-649958/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649958/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53264-2 DU	24020002-002	Total/NA	Water	PrecSep_0	

Prep Batch: 649959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-16	24020002-016	Total/NA	Water	PrecSep-21	
160-53264-17	24020002-017	Total/NA	Water	PrecSep-21	
160-53264-18	24020002-018	Total/NA	Water	PrecSep-21	
160-53264-19	24020002-019	Total/NA	Water	PrecSep-21	
160-53264-20	24020002-020	Total/NA	Water	PrecSep-21	
160-53264-21	24020002-021	Total/NA	Water	PrecSep-21	
160-53264-22	24020002-022	Total/NA	Water	PrecSep-21	
160-53264-23	24020002-023	Total/NA	Water	PrecSep-21	
160-53264-24	24020002-024	Total/NA	Water	PrecSep-21	

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

Rad (Continued)

Prep Batch: 649959 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-25	24020002-025	Total/NA	Water	PrecSep-21	
160-53264-26	24020002-026	Total/NA	Water	PrecSep-21	
160-53264-27	24020002-027	Total/NA	Water	PrecSep-21	
160-53264-28	24020002-028	Total/NA	Water	PrecSep-21	
160-53264-29	24020002-029	Total/NA	Water	PrecSep-21	
160-53264-30	24020002-030	Total/NA	Water	PrecSep-21	
160-53264-31	24020002-031	Total/NA	Water	PrecSep-21	
160-53264-32	24020002-032	Total/NA	Water	PrecSep-21	
160-53264-33	24020002-033	Total/NA	Water	PrecSep-21	
160-53264-34	24020002-034	Total/NA	Water	PrecSep-21	
160-53264-35	24020002-035	Total/NA	Water	PrecSep-21	
MB 160-649959/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649959/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53264-22 DU	24020002-022	Total/NA	Water	PrecSep-21	

Prep Batch: 649960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-16	24020002-016	Total/NA	Water	PrecSep_0	
160-53264-17	24020002-017	Total/NA	Water	PrecSep_0	
160-53264-18	24020002-018	Total/NA	Water	PrecSep_0	
160-53264-19	24020002-019	Total/NA	Water	PrecSep_0	
160-53264-20	24020002-020	Total/NA	Water	PrecSep_0	
160-53264-21	24020002-021	Total/NA	Water	PrecSep_0	
160-53264-22	24020002-022	Total/NA	Water	PrecSep_0	
160-53264-23	24020002-023	Total/NA	Water	PrecSep_0	
160-53264-24	24020002-024	Total/NA	Water	PrecSep_0	
160-53264-25	24020002-025	Total/NA	Water	PrecSep_0	
160-53264-26	24020002-026	Total/NA	Water	PrecSep_0	
160-53264-27	24020002-027	Total/NA	Water	PrecSep_0	
160-53264-28	24020002-028	Total/NA	Water	PrecSep_0	
160-53264-29	24020002-029	Total/NA	Water	PrecSep_0	
160-53264-30	24020002-030	Total/NA	Water	PrecSep_0	
160-53264-31	24020002-031	Total/NA	Water	PrecSep_0	
160-53264-32	24020002-032	Total/NA	Water	PrecSep_0	
160-53264-33	24020002-033	Total/NA	Water	PrecSep_0	
160-53264-34	24020002-034	Total/NA	Water	PrecSep_0	
160-53264-35	24020002-035	Total/NA	Water	PrecSep_0	
MB 160-649960/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649960/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53264-22 DU	24020002-022	Total/NA	Water	PrecSep_0	

Prep Batch: 649961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-36	24020002-036	Total/NA	Water	PrecSep-21	
160-53264-37	24020002-037	Total/NA	Water	PrecSep-21	
160-53264-38	24020002-038	Total/NA	Water	PrecSep-21	
160-53264-39	24020002-039	Total/NA	Water	PrecSep-21	
160-53264-40	24020002-040	Total/NA	Water	PrecSep-21	
160-53264-41	24020002-041	Total/NA	Water	PrecSep-21	
160-53264-42	24020002-042	Total/NA	Water	PrecSep-21	
160-53264-43	24020002-043	Total/NA	Water	PrecSep-21	

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEE POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

Rad (Continued)

Prep Batch: 649961 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-44	24020002-044	Total/NA	Water	PrecSep-21	
160-53264-45	24020002-045	Total/NA	Water	PrecSep-21	
160-53264-46	24020002-046	Total/NA	Water	PrecSep-21	
160-53264-47	24020002-047	Total/NA	Water	PrecSep-21	
160-53264-48	24020002-048	Total/NA	Water	PrecSep-21	
160-53264-49	24020002-049	Total/NA	Water	PrecSep-21	
160-53264-50	24020002-050	Total/NA	Water	PrecSep-21	
160-53264-51	24020002-051	Total/NA	Water	PrecSep-21	
160-53264-52	24020002-052	Total/NA	Water	PrecSep-21	
160-53264-53	24020002-053	Total/NA	Water	PrecSep-21	
160-53264-54	24020002-054	Total/NA	Water	PrecSep-21	
160-53264-55	24020002-055	Total/NA	Water	PrecSep-21	
MB 160-649961/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649961/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53264-50 DU	24020002-050	Total/NA	Water	PrecSep-21	

Prep Batch: 649962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-36	24020002-036	Total/NA	Water	PrecSep_0	
160-53264-37	24020002-037	Total/NA	Water	PrecSep_0	
160-53264-38	24020002-038	Total/NA	Water	PrecSep_0	
160-53264-39	24020002-039	Total/NA	Water	PrecSep_0	
160-53264-40	24020002-040	Total/NA	Water	PrecSep_0	
160-53264-41	24020002-041	Total/NA	Water	PrecSep_0	
160-53264-42	24020002-042	Total/NA	Water	PrecSep_0	
160-53264-43	24020002-043	Total/NA	Water	PrecSep_0	
160-53264-44	24020002-044	Total/NA	Water	PrecSep_0	
160-53264-45	24020002-045	Total/NA	Water	PrecSep_0	
160-53264-46	24020002-046	Total/NA	Water	PrecSep_0	
160-53264-47	24020002-047	Total/NA	Water	PrecSep_0	
160-53264-48	24020002-048	Total/NA	Water	PrecSep_0	
160-53264-49	24020002-049	Total/NA	Water	PrecSep_0	
160-53264-50	24020002-050	Total/NA	Water	PrecSep_0	
160-53264-51	24020002-051	Total/NA	Water	PrecSep_0	
160-53264-52	24020002-052	Total/NA	Water	PrecSep_0	
160-53264-53	24020002-053	Total/NA	Water	PrecSep_0	
160-53264-54	24020002-054	Total/NA	Water	PrecSep_0	
160-53264-55	24020002-055	Total/NA	Water	PrecSep_0	
MB 160-649962/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649962/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53264-50 DU	24020002-050	Total/NA	Water	PrecSep_0	

Prep Batch: 649963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-56	24020002-056	Total/NA	Water	PrecSep-21	
160-53264-57	24020002-057	Total/NA	Water	PrecSep-21	
160-53264-58	24020002-058	Total/NA	Water	PrecSep-21	
160-53264-59	24020002-059	Total/NA	Water	PrecSep-21	
MB 160-649963/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-649963/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-53264-59 DU	24020002-059	Total/NA	Water	PrecSep-21	

Eurofins St. Louis

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

Rad

Prep Batch: 649964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-53264-56	24020002-056	Total/NA	Water	PrecSep_0	
160-53264-57	24020002-057	Total/NA	Water	PrecSep_0	
160-53264-58	24020002-058	Total/NA	Water	PrecSep_0	
160-53264-59	24020002-059	Total/NA	Water	PrecSep_0	
MB 160-649964/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-649964/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-53264-59 DU	24020002-059	Total/NA	Water	PrecSep_0	

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Tracer/Carrier Summary

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba	(30-110)
160-53264-1	24020002-001	91.1	
160-53264-2	24020002-002	98.7	
160-53264-2 DU	24020002-002	96.2	
160-53264-3	24020002-003	88.6	
160-53264-4	24020002-004	99.2	
160-53264-5	24020002-005	95.4	
160-53264-6	24020002-006	73.4	
160-53264-7	24020002-007	89.3	
160-53264-8	24020002-008	91.9	
160-53264-9	24020002-009	103	
160-53264-10	24020002-010	94.4	
160-53264-11	24020002-011	102	
160-53264-12	24020002-012	102	
160-53264-13	24020002-013	95.2	
160-53264-14	24020002-014	101	
160-53264-15	24020002-015	94.9	
160-53264-16	24020002-016	102	
160-53264-17	24020002-017	94.2	
160-53264-18	24020002-018	94.4	
160-53264-19	24020002-019	101	
160-53264-20	24020002-020	88.3	
160-53264-21	24020002-021	70.6	
160-53264-22	24020002-022	102	
160-53264-22 DU	24020002-022	94.4	
160-53264-23	24020002-023	101	
160-53264-24	24020002-024	81.2	
160-53264-25	24020002-025	52.0	
160-53264-26	24020002-026	89.1	
160-53264-27	24020002-027	91.9	
160-53264-28	24020002-028	100	
160-53264-29	24020002-029	98.7	
160-53264-30	24020002-030	96.4	
160-53264-31	24020002-031	97.7	
160-53264-32	24020002-032	99.0	
160-53264-33	24020002-033	95.4	
160-53264-34	24020002-034	82.2	
160-53264-35	24020002-035	94.9	
160-53264-36	24020002-036	98.2	
160-53264-37	24020002-037	94.7	
160-53264-38	24020002-038	99.5	
160-53264-39	24020002-039	100	
160-53264-40	24020002-040	95.2	
160-53264-41	24020002-041	93.1	
160-53264-42	24020002-042	98.0	
160-53264-43	24020002-043	99.5	
160-53264-44	24020002-044	99.2	
160-53264-45	24020002-045	56.3	
160-53264-46	24020002-046	94.9	
160-53264-47	24020002-047	93.7	

Tracer/Carrier Summary

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Method: 903.0 - Radium-226 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)
160-53264-48	24020002-048	98.5
160-53264-49	24020002-049	96.4
160-53264-50	24020002-050	90.9
160-53264-50 DU	24020002-050	96.7
160-53264-51	24020002-051	101
160-53264-52	24020002-052	99.7
160-53264-53	24020002-053	99.2
160-53264-54	24020002-054	101
160-53264-55	24020002-055	91.4
160-53264-56	24020002-056	99.0
160-53264-57	24020002-057	99.0
160-53264-58	24020002-058	94.9
160-53264-59	24020002-059	102
160-53264-59 DU	24020002-059	103
LCS 160-649957/2-A	Lab Control Sample	101
LCS 160-649959/2-A	Lab Control Sample	102
LCS 160-649961/2-A	Lab Control Sample	103
LCS 160-649963/2-A	Lab Control Sample	98.5
MB 160-649957/1-A	Method Blank	99.7
MB 160-649959/1-A	Method Blank	96.7
MB 160-649961/1-A	Method Blank	106
MB 160-649963/1-A	Method Blank	98.7

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-53264-1	24020002-001	91.1	85.2
160-53264-2	24020002-002	98.7	83.7
160-53264-2 DU	24020002-002	96.2	84.5
160-53264-3	24020002-003	88.6	85.6
160-53264-4	24020002-004	99.2	84.1
160-53264-5	24020002-005	95.4	81.5
160-53264-6	24020002-006	73.4	81.1
160-53264-7	24020002-007	89.3	78.9
160-53264-8	24020002-008	91.9	83.7
160-53264-9	24020002-009	103	85.2
160-53264-10	24020002-010	94.4	85.2
160-53264-11	24020002-011	102	83.4
160-53264-12	24020002-012	102	83.4
160-53264-13	24020002-013	95.2	81.1
160-53264-14	24020002-014	101	87.5
160-53264-15	24020002-015	94.9	86.7
160-53264-16	24020002-016	102	67.3
160-53264-17	24020002-017	94.2	67.7
160-53264-18	24020002-018	94.4	77.4

Eurofins St. Louis

Tracer/Carrier Summary

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
 SDG: 24020002

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Yield (Acceptance Limits)	
		Ba (30-110)	Y (30-110)
160-53264-19	24020002-019	101	81.5
160-53264-20	24020002-020	88.3	73.6
160-53264-21	24020002-021	70.6	80.4
160-53264-22	24020002-022	102	81.1
160-53264-22 DU	24020002-022	94.4	75.5
160-53264-23	24020002-023	101	78.5
160-53264-24	24020002-024	81.2	74.0
160-53264-25	24020002-025	52.0	81.9
160-53264-26	24020002-026	89.1	81.5
160-53264-27	24020002-027	91.9	68.8
160-53264-28	24020002-028	100	78.9
160-53264-29	24020002-029	98.7	81.9
160-53264-30	24020002-030	96.4	81.9
160-53264-31	24020002-031	97.7	83.0
160-53264-32	24020002-032	99.0	84.1
160-53264-33	24020002-033	95.4	78.9
160-53264-34	24020002-034	82.2	85.2
160-53264-35	24020002-035	94.9	82.6
160-53264-36	24020002-036	98.2	63.2
160-53264-37	24020002-037	94.7	68.4
160-53264-38	24020002-038	99.5	81.5
160-53264-39	24020002-039	100	79.6
160-53264-40	24020002-040	95.2	83.7
160-53264-41	24020002-041	93.1	84.1
160-53264-42	24020002-042	98.0	83.0
160-53264-43	24020002-043	99.5	81.9
160-53264-44	24020002-044	99.2	81.9
160-53264-45	24020002-045	56.3	81.9
160-53264-46	24020002-046	94.9	81.5
160-53264-47	24020002-047	93.7	86.0
160-53264-48	24020002-048	98.5	91.6
160-53264-49	24020002-049	96.4	75.9
160-53264-50	24020002-050	90.9	78.1
160-53264-50 DU	24020002-050	96.7	79.6
160-53264-51	24020002-051	101	89.7
160-53264-52	24020002-052	99.7	85.6
160-53264-53	24020002-053	99.2	87.5
160-53264-54	24020002-054	101	83.7
160-53264-55	24020002-055	91.4	79.6
160-53264-56	24020002-056	99.0	81.9
160-53264-57	24020002-057	99.0	86.4
160-53264-58	24020002-058	94.9	84.9
160-53264-59	24020002-059	102	126 X
160-53264-59 DU	24020002-059	103	83.4
LCS 160-649958/2-A	Lab Control Sample	101	82.2
LCS 160-649960/2-A	Lab Control Sample	102	83.4
LCS 160-649962/2-A	Lab Control Sample	103	82.2
LCS 160-649964/2-A	Lab Control Sample	98.5	84.9
MB 160-649958/1-A	Method Blank	99.7	84.1
MB 160-649960/1-A	Method Blank	96.7	82.6

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-53264-1
SDG: 24020002

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

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)
MB 160-649962/1-A	Method Blank	106	84.1
MB 160-649964/1-A	Method Blank	98.7	86.7

Tracer/Carrier Legend

Ba = Ba Carrier
Y = Y Carrier

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Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

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	66.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
002	G1001	Groundwater Sample	46.0	None	N	Clear	Good	Good	Good	Yes	Yes
003	G1003	Groundwater Sample	66.0	None	N	Partly cloudy	Good	Good	Good	Yes	No
004	G101	Groundwater Sample	49.0	None	SE	Clear	Good	Good	Good	Yes	Yes
005	G102	Groundwater Sample	48.0	None	W	Clear	Good	Good	Good	Yes	Yes
006	G103	Groundwater Sample	50.0	None	W	Clear	Good	Good	Good	Yes	Yes
007	G105	Groundwater Sample	51.0	None	W	Clear	Good	Good	Good	Yes	Yes
008	G106	Groundwater Sample	54.0	None	W	Clear	Good	Good	Good	Yes	Yes
009	G107	Groundwater Sample	54.0	None	W	Clear	Good	Good	Good	Yes	Yes
010	G108	Groundwater Sample	55.0	None	W	Clear	Good	Good	Good	Yes	Yes
011	G109	Groundwater Sample	55.0	None	W	Clear	Good	Good	Good	Yes	Yes
012	G110	Groundwater Sample	56.0	None	W	Clear	Good	Good	Good	Yes	Yes
013	G111	Groundwater Sample	48.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
014	G119	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
015	G120	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
016	G121	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
017	G122	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
018	G123	Groundwater Sample	48.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
019	G124	Groundwater Sample	49.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
020	G125	Groundwater Sample	49.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
021	G126	Groundwater Sample	50.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
022	G151	Groundwater Sample	33.0	None	N	Clear	Good	Good	Good	Yes	Yes
023	G152	Groundwater Sample	40.0	None	N	Clear	Good	Good	Good	Yes	Yes
024	G153	Groundwater Sample	38.0	None	N	Clear	Good	Good	Good	Yes	Yes
025	G154	Groundwater Sample	35.0	None	N	Clear	Good	Good	Good	Yes	Yes
026	G155	Groundwater Sample	33.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
027	G200	Groundwater Sample	48.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
028	G206	Groundwater Sample	47.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
029	G206D	Groundwater Sample	31.0	Light	SW	Cloudy	Good	Good	Good	Yes	Yes
030	G207	Groundwater Sample	46.0	None	N	Clear	Good	Good	Good	Yes	Yes
031	G208	Groundwater Sample	43.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
032	G209	Groundwater Sample	42.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
033	G210	Groundwater Sample	40.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
034	G211	Groundwater Sample	46.0	None	W	Clear	Good	Good	Good	Yes	Yes
035	G212	Groundwater Sample	44.0	None	W	Clear	Good	Good	Good	Yes	Yes
036	G213	Groundwater Sample	41.0	None	W	Clear	Good	Good	Good	Yes	Yes
037	G214	Groundwater Sample	52.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
038	G215	Groundwater Sample	52.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
039	G216	Groundwater Sample	51.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
040	G217	Groundwater Sample	50.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
041	G218	Groundwater Sample	48.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
042	G270	Groundwater Sample	45.0	None	N	Clear	Good	Good	Good	Yes	Yes



Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

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
043	G271	Groundwater Sample	47.0	None	N	Clear	Good	Good	Good	Yes	Yes
044	G272	Groundwater Sample	48.0	None	N	Clear	Good	Good	Good	Yes	Yes
045	G273	Groundwater Sample	50.0	None	N	Clear	Good	Good	Good	Yes	Yes
046	G274	Groundwater Sample	51.0	None	N	Clear	Good	Good	Good	Yes	Yes
047	G275	Groundwater Sample	52.0	None	N	Clear	Good	Good	Good	Yes	Yes
048	G275D	Groundwater Sample	52.0	None	N	Clear	Good	Good	Good	Yes	Yes
049	G276	Groundwater Sample	40.0	None	N	Clear	Good	Good	Good	Yes	Yes
050	G277	Groundwater Sample	43.0	None	N	Clear	Good	Good	Good	Yes	Yes
051	G278	Groundwater Sample	40.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
052	G279	Groundwater Sample	47.0	None	N	Clear	Good	Good	Good	Yes	Yes
053	G280	Groundwater Sample	50.0	None	N	Clear	Good	Good	Good	Yes	Yes
054	G281	Groundwater Sample	50.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
055	G283	Groundwater Sample	50.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
056	G284	Groundwater Sample	54.0	None	NW	Clear	Good	Good	Good	Yes	Yes
057	G285	Groundwater Sample	54.0	None	NW	Clear	Good	Good	Good	Yes	Yes
058	G301	Groundwater Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
059	G302	Groundwater Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
060	G303	Groundwater Sample	44.0	None	W	Clear	Good	Good	Good	Yes	Yes
061	G305	Groundwater Sample	44.0	None	E	Clear	Good	Good	Good	Yes	Yes
062	G306	Groundwater Sample	46.0	None	W	Clear	Good	Good	Good	Yes	Yes
063	G307	Groundwater Sample	50.0	None	W	Clear	Good	Damaged	Good	Yes	No
064	G307D	Groundwater Sample	50.0	None	W	Clear	Good	Good	Good	Yes	Yes
065	G308	Groundwater Sample	30.0	Light	NW	Cloudy	Good	Good	Good	Yes	Yes
066	G310	Groundwater Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
067	G312	Groundwater Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
068	G313	Groundwater Sample	45.0	None	W	Clear	Good	Good	Good	Yes	Yes
069	G314	Groundwater Sample	45.0	None	W	Clear	Good	Good	Good	Yes	Yes
070	G314D	Groundwater Sample	44.0	None	W	Clear	Good	Good	Good	Yes	Yes
071	G315	Groundwater Sample	46.0	None	W	Clear	Good	Good	Good	Yes	Yes
072	G316	Groundwater Sample	44.0	None	W	Clear	Good	Good	Good	Yes	Yes
073	G401	Groundwater Sample	64.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
074	G402	Groundwater Sample	65.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
075	G403	Groundwater Sample	60.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
076	G404	Groundwater Sample	55.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
077	G405	Groundwater Sample	57.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
078	G406	Groundwater Sample	62.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
079	G407	Groundwater Sample	41.0	None	NW	Clear	Good	Good	Good	Yes	Yes
080	G410	Groundwater Sample	42.0	None	NW	Clear	Good	Good	Good	Yes	Yes
081	G411	Groundwater Sample	41.0	None	NW	Clear	Good	Good	Good	Yes	Yes
082	L201	Leachate Sample	56.0	None	N	Partly cloudy	Other (see note)	Other (see note)	Other (see note)	Yes	No
083	L202	Leachate Sample	56.0	None	N	Partly cloudy	Other (see note)	Other (see note)	Other (see note)	Yes	No
084	L203	Leachate Sample	56.0	None	N	Partly cloudy	Other (see note)	Other (see note)	Other (see note)	Yes	No



Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary

Coffeen- 1Q 2024

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
085	NE Riser	Leachate Sample	66.0	None	N	Partly cloudy	Good	Good	Good	Yes	No
086	R104	Groundwater Sample	53.0	None	W	Clear	Good	Good	Good	Yes	Yes
087	R201	Groundwater Sample	58.0	None	N	Clear	Good	Good	Good	Yes	Yes
088	R205	Groundwater Sample	38.0	None	W	Clear	Good	Good	Good	Yes	Yes
089	SG-02	DTW Only	42.0	None	N	Clear					
090	SG-03	DTW Only	42.0	None	N	Clear					
091	T127	Groundwater Sample	52.0	None	N	Clear	Good	Good	Good	Yes	Yes
092	T128	Groundwater Sample	48.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
093	X201	Groundwater Sample	38.0	None	N	Clear	Other (see note)	Other (see note)	Other (see note)	Yes	No
094	XPW01	Groundwater Sample	37.0	None	W	Clear	Good	Good	Good	Yes	No
095	XPW02	Groundwater Sample	30.0	Light	E	Cloudy	Good	Good	Good	Yes	No
096	XSG-01	DTW Only	42.0	None	N	Clear					
097	Field Blank	QA/QC Sample	48.0	None	N	Partly cloudy					
098	G102 Duplicate	QA/QC Sample	48.0	None	W	Clear	Good	Good	Good	Yes	Yes
099	G200 Duplicate	QA/QC Sample	48.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
100	G273 Duplicate	QA/QC Sample	50.0	None	N	Clear	Good	Good	Good	Yes	Yes
101	G301 Duplicate	QA/QC Sample	46.0	None	E	Clear	Good	Good	Good	Yes	Yes
102	R201 Duplicate	QA/QC Sample	58.0	None	N	Clear	Good	Good	Good	Yes	Yes
103	Equipment Blank 1	QA/QC Sample	48.0	None	N	Partly cloudy					

Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 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 Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	AP2D	JC	2/21/24 14:34	20.34	35.43	JC	2/21/2024	14:35	14:54	Submersible Pump	2"	9.0	473.7
002	G1001	DC	2/15/24 12:59	6.31	13.79	TAC	2/15/2024	13:01	13:23	Peristaltic Pump	2"	4.5	204.5
003	G1003	JC	2/21/24 14:01	11.15	14.79	JC	2/21/2024	N/A	N/A	Submersible Pump	2"	N/A	N/A
004	G101	JC	2/15/24 12:28	9.69	24.30	JC	2/15/2024	12:28	13:03	Bladder Pump	2"	5.0	142.9
005	G102	JC	2/14/24 10:57	8.81	20.00	JC	2/14/2024	10:58	11:13	Bladder Pump	2"	3.5	233.3
006	G103	JC	2/14/24 11:34	11.96	26.90	JC	2/14/2024	11:35	11:50	Bladder Pump	2"	3.0	200.0
007	G105	JC	2/14/24 12:01	9.32	27.70	JC	2/14/2024	12:02	12:13	Bladder Pump	2"	2.0	181.8
008	G106	JC	2/14/24 12:47	10.02	25.60	JC	2/14/2024	12:48	12:58	Bladder Pump	2"	2.0	200.0
009	G107	JC	2/14/24 13:07	10.52	22.70	JC	2/14/2024	13:08	13:30	Bladder Pump	2"	3.5	159.1
010	G108	JC	2/14/24 13:37	11.43	26.60	JC	2/14/2024	13:38	13:47	Bladder Pump	2"	2.0	222.2
011	G109	JC	2/14/24 13:56	11.90	26.30	JC	2/14/2024	13:56	14:05	Bladder Pump	2"	2.0	222.2
012	G110	JC	2/14/24 14:12	12.76	27.50	JC	2/14/2024	14:12	14:21	Bladder Pump	2"	2.0	222.2
013	G111	JC	2/15/24 8:52	14.03	24.30	JC	2/15/2024	08:54	09:03	Bladder Pump	2"	1.5	166.7
014	G119	JC	2/15/24 9:37	15.40	27.40	JC	2/15/2024	09:38	09:47	Bladder Pump	2"	1.5	166.7
015	G120	JC	2/15/24 9:54	15.84	26.70	JC	2/15/2024	09:55	10:04	Bladder Pump	2"	2.0	222.2
016	G121	JC	2/15/24 10:22	17.34	29.10	JC	2/15/2024	10:23	10:40	Bladder Pump	2"	3.0	176.5
017	G122	JC	2/15/24 10:52	17.96	26.50	JC	2/15/2024	10:53	11:05	Bladder Pump	2"	2.0	166.7
018	G123	JC	2/15/24 11:20	16.60	30.90	JC	2/15/2024	11:22	11:31	Bladder Pump	2"	1.5	166.7
019	G124	JC	2/15/24 11:44	17.42	26.70	JC	2/15/2024	11:44	11:53	Bladder Pump	2"	1.5	166.7
020	G125	JC	2/15/24 12:05	17.39	26.70	JC	2/15/2024	12:06	12:19	Bladder Pump	2"	2.0	153.8
021	G126	JC	2/15/24 13:13	10.55	20.40	JC	2/15/2024	13:13	13:22	Bladder Pump	2"	1.5	166.7
022	G151	JC	2/19/24 8:58	12.13	23.60	JC	2/19/2024	09:00	09:11	Bladder Pump	2"	3.0	272.7
023	G152	JC	2/19/24 10:21	11.14	22.00	JC	2/19/2024	10:27	11:09	Submersible Pump	2"	13.0	309.5
024	G153	JC	2/19/24 9:59	13.73	23.90	JC	2/19/2024	09:59	10:09	Bladder Pump	2"	2.5	250.0
025	G154	JC	2/19/24 9:29	13.36	22.80	JC	2/19/2024	09:29	09:48	Bladder Pump	2"	4.5	236.8
026	G155	JC	2/16/24 9:56	13.42	26.20	JC	2/16/2024	09:56	10:37	Bladder Pump	2"	6.0	146.3
027	G200	JC	2/21/24 8:47	5.62	20.70	JC	2/21/2024	08:48	09:03	Submersible Pump	2"	4.5	300.0
028	G206	BG	2/13/24 11:35	11.50	26.30	BG	2/13/2024	11:35	11:44	Bladder Pump	2"	2.5	277.8
029	G206D	JC	2/16/24 9:22	29.30		JC	2/16/2024	09:22	09:31	Bladder Pump	2"	2.0	222.2
030	G207	DC	2/15/24 11:26	11.50	26.60	DC	2/15/2024	11:27	11:55	Peristaltic Pump	2"	6.0	214.3
031	G208	BG	2/13/24 10:45	10.80	26.60	BG	2/13/2024	10:45	11:00	Bladder Pump	2"	2.5	166.7
032	G209	BG	2/13/24 10:10	10.59	25.50	BG	2/13/2024	10:11	10:30	Bladder Pump	2"	2.6	136.8
033	G210	BG	2/13/24 9:30	11.71	25.00	BG	2/13/2024	09:30	09:48	Bladder Pump	2"	3.0	166.7
034	G211	JC	2/14/24 10:29	12.50	26.30	JC	2/14/2024	10:29	10:46	Bladder Pump	2"	3.0	176.5
035	G212	JC	2/14/24 10:06	12.95	26.30	JC	2/14/2024	10:07	10:17	Bladder Pump	2"	2.5	250.0
036	G213	JC	2/14/24 9:30	13.23	26.50	JC	2/14/2024	09:31	09:55	Bladder Pump	2"	4.0	166.7
037	G214	BG	2/13/24 14:22	16.06	26.50	BG	2/13/2024	14:22	14:37	Bladder Pump	2"	2.0	133.3
038	G215	BG	2/13/24 13:49	15.60	26.90	BG	2/13/2024	13:49	14:12	Bladder Pump	2"	3.0	130.4
039	G216	BG	2/13/24 12:52	14.88	28.50	BG	2/13/2024	12:52	13:40	Bladder Pump	2"	12.0	250.0
040	G217	BG	2/13/24 12:24	16.17	28.40	BG	2/13/2024	00:12	12:40	Bladder Pump	2"	2.0	2.7
041	G218	BG	2/13/24 12:01	15.07	28.50	BG	2/13/2024	12:01	12:11	Bladder Pump	2"	2.5	250.0
042	G270	JC	2/19/24 11:28	2.86	20.40	JC	2/19/2024	11:29	11:56	Bladder Pump	2"	4.0	148.1



Site Samping Event: Coffeen 1Q24
 LIMS Workorder: 24020001
 Technician(s): DC, JC, TC, BG

**Groundwater Sampling Summary
 Coffeen- 1Q 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 Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
043	G271	JC	2/19/24 12:10	11.05	18.70	JC	2/19/2024	12:11	12:20	Bladder Pump	2"	1.5	166.7
044	G272	JC	2/19/24 12:30	10.25	17.40	JC	2/19/2024	12:31	12:51	Bladder Pump	2"	3.0	150.0
045	G273	JC	2/19/24 13:03	10.95	18.90	JC	2/19/2024	13:03	13:18	Bladder Pump	2"	3.0	200.0
046	G274	JC	2/19/24 13:35	14.33	20.40	JC	2/19/2024	13:36	13:45	Bladder Pump	2"	2.0	222.2
047	G275	JC	2/19/24 14:07	13.35	15.30	JC	2/19/2024	14:14	14:21	Bladder Pump	2"	1.0	142.9
048	G275D	JC	2/19/24 13:54	38.99	62.70	JC	2/19/2024	13:55	14:05	Bladder Pump	2"	2.0	200.0
049	G276	JC	2/20/24 8:57	27.70	30.90	JC	2/20/2024	09:06	09:21	Submersible Pump	2"	4.0	266.7
050	G277	JC	2/20/24 9:30	20.26	22.30	JC	2/20/2024	09:31	09:40	Bladder Pump	2"	1.0	111.1
051	G278	TAC	2/15/24 10:34	25.14	26.40	TAC	2/15/2024	10:37	11:03	Peristaltic Pump	2"	3.0	115.4
052	G279	JC	2/20/24 10:15	24.63	30.80	JC	2/20/2024	10:16	10:25	Bladder Pump	2"	1.0	111.1
053	G280	JC	2/20/24 10:50	6.40	20.20	JC	2/20/2024	10:51	11:10	Bladder Pump	2"	3.0	157.9
054	G281	JC	2/15/24 13:47	5.91	22.80	JC	2/15/2024	13:48	14:22	Bladder Pump	2"	6.0	176.5
055	G283	JC	2/21/24 9:32	5.30	20.80	JC	2/21/2024	09:32	10:11	Bladder Pump	2"	5.0	128.2
056	G284	DC	2/20/24 13:52	11.77	16.30	DC	2/20/2024	13:54	14:26	Bladder Pump	2"	5.0	156.3
057	G285	DC	2/20/24 12:49	6.65	26.80	DC	2/20/2024	12:51	13:18	Bladder Pump	2"	3.0	111.1
058	G301	DC	2/19/24 11:44	6.95	18.60	DC	2/19/2024	11:44	12:03	Bladder Pump	2"	5.0	263.2
059	G302	DC	2/19/24 12:44	9.55	20.50	DC	2/19/2024	12:45	13:27	Bladder Pump	2"	8.0	190.5
060	G303	TAC	2/14/24 9:54	5.72	23.30	DC	2/14/2024	09:55	10:23	Bladder Pump	2"	4.0	142.9
061	G305	DC	2/19/24 14:36	6.66	21.50	DC	2/19/2024	14:37	14:56	Bladder Pump	2"	6.0	315.8
062	G306	DC	2/14/24 10:59	6.78	20.90	DC	2/14/2024	11:00	11:35	Bladder Pump	2"	10.0	285.7
063	G307	TAC	2/14/24 13:55	0.05	20.60	TAC	2/14/2024	13:55	14:58	Peristaltic Pump	2"	13.0	206.3
064	G307D	DC	2/14/24 13:05	5.04	62.00	DC	2/14/2024	13:06	13:42	Bladder Pump	2"	7.0	194.4
065	G308	TAC	2/16/24 9:37	4.79	18.20	DC	2/16/2024	09:38	10:04	Bladder Pump	2"	4.0	153.8
066	G310	TAC	2/19/24 11:01	8.78	18.40	DC	2/19/2024	11:01	11:24	Bladder Pump	2"	6.0	260.9
067	G312	DC	2/19/24 13:47	11.95	17.80	DC	2/19/2024	13:47	14:11	Bladder Pump	2"	6.0	250.0
068	G313	TAC	2/13/24 13:43	3.71	14.30	TAC	2/13/2024	13:43	14:19	Bladder Pump	2"	10.0	277.8
069	G314	TAC	2/13/24 12:50	6.70	22.80	TAC	2/13/2024	12:51	13:11	Bladder Pump	2"	3.5	175.0
070	G314D	TAC	2/13/24 11:56	6.15	52.30	TAC	2/13/2024	11:58	12:20	Bladder Pump	2"	4.0	181.8
071	G315	DC	2/14/24 12:21	2.40	17.40	DC	2/14/2024	12:23	12:45	Bladder Pump	2"	6.0	272.7
072	G316	TAC	2/13/24 10:57	11.91	18.10	TAC	2/13/2024	11:07	11:31	Bladder Pump	2"	6.0	250.0
073	G401	JC	2/21/24 12:33	21.96	21.80	JC	2/21/2024	12:33	12:46	Bladder Pump	2"	1.5	115.4
074	G402	JC	2/21/24 13:29	9.81	23.40	JC	2/21/2024	13:29	13:44	Bladder Pump	2"	1.8	116.7
075	G403	JC	2/21/24 11:28	6.41	20.80	JC	2/21/2024	11:28	11:43	Bladder Pump	2"	3.0	200.0
076	G404	JC	2/21/24 10:26	4.30	14.10	JC	2/21/2024	10:26	10:37	Bladder Pump	2"	1.5	136.4
077	G405	JC	2/21/24 10:53	6.30	16.40	JC	2/21/2024	10:54	11:09	Bladder Pump	2"	2.0	133.3
078	G406	JC	2/21/24 12:01	12.13	22.30	JC	2/21/2024	12:01	12:11	Bladder Pump	2"	2.0	200.0
079	G407	DC	2/20/24 9:31	6.10	23.00	DC	2/20/2024	09:32	10:15	Bladder Pump	2"	7.0	162.8
080	G410	DC	2/20/24 10:51	8.75	16.70	DC	2/20/2024	10:52	11:18	Bladder Pump	2"	5.0	192.3
081	G411	DC	2/20/24 11:49	7.54	19.20	DC	2/20/2024	11:50	12:13	Bladder Pump	2"	4.0	173.9
082	L201	JC	2/22/24 9:54	2.10									
083	L202	JC	2/22/24 9:49	2.21									
084	L203	JC	2/22/24 10:03	2.06									



Site Sampling Event: Coffeen 1Q24
 LIMS Workorder: 24020001
 Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
 Coffeen- 1Q 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 Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
085	NE Riser	JC	2/21/24 14:14	7.02		JC	2/21/2024	14:16	14:25	Bladder Pump	2"	2.0	222.2
086	R104	JC	2/14/24 12:22	8.65	22.70	JC	2/14/2024	12:23	12:38	Bladder Pump	2"	2.0	133.3
087	R201	JC	2/20/24 13:47	4.06	22.20	JC	2/20/2024	13:48	14:05	Submersible Pump	2"	5.0	294.1
088	R205	JC	2/14/24 8:55	6.71	19.00	JC	2/14/2024	08:56	09:22	Bladder Pump	2"	6.0	230.8
089	SG-02	TAC	2/12/24 15:01	7.22				00:00					
090	SG-03	BG	2/12/24 11:43	8.44				00:00					
091	T127	JC	2/20/24 11:41	14.63		JC	2/20/2024	11:42	12:58	Bladder Pump	2"	10.0	131.6
092	T128	JC	2/15/24 9:17	14.67	28.70	JC	2/15/2024	09:17	09:29	Bladder Pump	2"	2.0	166.7
093	X201	JC	2/20/24 11:29	27.91		JC	2/20/2024	08:47	08:47	Bailer			
094	XPW01	TAC	2/19/24 10:27	5.32	16.10	DC	2/19/2024	10:31	10:48	Bladder Pump	2"	6.0	352.9
095	XPW02	DC	2/16/24 10:30	10.40	21.30	DC	2/16/2024	10:31	10:45	Bladder Pump	2"	4.0	285.7
096	XSG-01	TAC	2/12/24 15:10	6.72									
097	Field Blank												
098	G102 Duplicate	JC	2/14/24 10:57	8.81	20.00	JC	2/14/2024	10:58	11:13	Bladder Pump	2"	3.5	233.3
099	G200 Duplicate	JC	2/21/24 8:47	5.62	20.70	JC	2/21/2024	08:48	09:03	Submersible Pump	2"	4.5	300.0
100	G273 Duplicate	JC	2/19/24 13:03	10.95	18.90	JC	2/19/2024	13:03	13:18	Bladder Pump	2"	3.0	200.0
101	G301 Duplicate	DC	2/19/24 11:44	6.95	18.60	DC	2/19/2024	11:44	12:03	Bladder Pump	2"	5.0	263.2
102	R201 Duplicate	JC	2/20/24 13:47	4.06	22.20	JC	2/20/2024	13:48	14:05	Submersible Pump	2"	5.0	294.1
103	Equipment Blank 1												

Site Samping Event: Coffeen 1Q24
 LIMS Workorder: 24020001
 Technician(s): DC, JC, TC, BG

**Groundwater Sampling Summary
 Coffeen- 1Q 2024**

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	AP2D	JC	02/21/24	14:54	Low Flow	No	Slightly cloudy	None	rust	20.58	0.24
002	G1001	TAC	02/15/24	13:23	Low Flow	No	Clear	None	none	9.40	3.09
003	G1003	JC	02/21/24	14:02							
004	G101	JC	02/15/24	13:03	Low Flow	Yes	Clear	None	none	9.69	0.00
005	G102	JC	02/14/24	11:13	Low Flow	Yes	Clear	None	none	8.81	0.00
006	G103	JC	02/14/24	11:50	Low Flow	Yes	Clear	None	none	13.32	1.36
007	G105	JC	02/14/24	12:13	Low Flow	Yes	Clear	None	none	10.00	0.68
008	G106	JC	02/14/24	12:58	Low Flow	Yes	Clear	None	none	10.02	0.00
009	G107	JC	02/14/24	13:30	Low Flow	Yes	Clear	None	none	10.52	0.00
010	G108	JC	02/14/24	13:47	Low Flow	Yes	Clear	None	none	11.43	0.00
011	G109	JC	02/14/24	14:05	Low Flow	Yes	Clear	None	none	11.90	0.00
012	G110	JC	02/14/24	14:21	Low Flow	Yes	Clear	None	none	12.76	0.00
013	G111	JC	02/15/24	09:03	Low Flow	Yes	Clear	None	none	14.03	0.00
014	G119	JC	02/15/24	09:47	Low Flow	Yes	Clear	None	none	15.40	0.00
015	G120	JC	02/15/24	10:04	Low Flow	Yes	Clear	None	none	18.06	2.22
016	G121	JC	02/15/24	10:40	Low Flow	Yes	Clear	None	none	19.47	2.13
017	G122	JC	02/15/24	11:05	Low Flow	Yes	Clear	None	none	19.67	1.71
018	G123	JC	02/15/24	11:31	Low Flow	Yes	Clear	None	none	16.60	0.00
019	G124	JC	02/15/24	11:53	Low Flow	Yes	Clear	None	none	17.42	0.00
020	G125	JC	02/15/24	12:19	Low Flow	Yes	Clear	None	none	18.66	1.27
021	G126	JC	02/15/24	13:22	Low Flow	Yes	Clear	None	none	10.55	0.00
022	G151	JC	02/19/24	09:11	Low Flow	Yes	Clear	None	none	12.13	0.00
023	G152	JC	02/19/24	11:09	Low Flow	Yes	Slightly cloudy	None	lt brown	18.35	7.21
024	G153	JC	02/19/24	10:09	Low Flow	Yes	Clear	None	none	13.73	0.00
025	G154	JC	02/19/24	09:48	Low Flow	Yes	Clear	None	none	13.36	0.00
026	G155	JC	02/16/24	10:37	Low Flow	Yes	Slightly cloudy	None	none	13.42	0.00
027	G200	JC	02/21/24	09:03	Low Flow	Yes	Clear	None	none	6.06	0.44
028	G206	bg	02/13/24	11:44	Low Flow	Yes	Clear	None	Clear	13.61	2.11
029	G206D	JC	02/16/24	09:31	Low Flow	Yes	Clear	None	none	29.30	0.00
030	G207	TAC	02/15/24	11:55	Low Flow	Yes	Clear	None	Clear	15.44	3.94
031	G208	BG	02/13/24	11:00	Low Flow	Yes	Clear	None	Clear	10.79	-0.01
032	G209	BG	02/13/24	10:30	Low Flow	Yes	Clear	None	Clear	12.28	1.69
033	G210	BG	02/13/24	09:48	Low Flow	Yes	Clear	None	Clear	12.55	0.84
034	G211	JC	02/14/24	10:46	Low Flow	Yes	Clear	None	none	12.50	0.00
035	G212	JC	02/14/24	10:17	Low Flow	Yes	Clear	None	none	12.95	0.00
036	G213	JC	02/14/24	09:55	Low Flow	Yes	Clear	None	none	13.23	0.00
037	G214	BG	02/13/24	14:37	Low Flow	Yes	Clear	None	Clear	17.04	0.98
038	G215	BG	02/13/24	14:12	Low Flow	Yes	Clear	None	Clear	15.77	0.17
039	G216	BG	02/13/24	13:40	Low Flow	Yes	Cloudy	None	Clear	17.65	2.77
040	G217	BG	02/13/24	12:40	Low Flow	Yes	Clear	None	Clear	16.10	-0.07
041	G218	BG	02/13/24	12:11	Low Flow	Yes	Clear	None	Clear	15.00	-0.07
042	G270	JC	02/19/24	11:56	Low Flow	Yes	Slightly cloudy	None	none	3.25	0.39



Site Samping Event: Coffeen 1Q24
LIMS Workorder: 24020001
Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary
Coffeen- 1Q 2024

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
043	G271	JC	02/19/24	12:20	Low Flow	Yes	Clear	None	none	12.18	1.13
044	G272	JC	02/19/24	12:51	Low Flow	Yes	Clear	None	none	10.25	0.00
045	G273	JC	02/19/24	13:18	Low Flow	Yes	Clear	None	none	10.95	0.00
046	G274	JC	02/19/24	13:45	Low Flow	Yes	Clear	None	none	14.33	0.00
047	G275	JC	02/19/24	14:21	Low Flow	Yes	Clear	None	none	13.35	0.00
048	G275D	JC	02/19/24	14:05	Low Flow	No	Clear	Moderate	none	41.52	2.53
049	G276	JC	02/20/24	09:21	Low Flow	Yes	Clear	None	none	30.84	3.14
050	G277	JC	02/20/24	09:40	Low Flow	Yes	Clear	None	none	20.26	0.00
051	G278	TAC	02/15/24	11:03	Low Flow	Yes	Clear	None	Clear	26.25	1.11
052	G279	JC	02/20/24	10:25	Low Flow	Yes	Clear	None	none	24.63	0.00
053	G280	JC	02/20/24	11:10	Low Flow	Yes	Slightly cloudy	None	none	6.40	0.00
054	G281	JC	02/15/24	14:22	Low Flow	Yes	Slightly cloudy	None	none	5.91	0.00
055	G283	JC	02/21/24	10:11	Low Flow	No	Slightly cloudy	None	none	5.35	0.05
056	G284	TAC	02/20/24	14:26	Low Flow	No	Clear	None	Clear	12.28	0.51
057	G285	TAC	02/20/24	13:18	Low Flow	No	Clear	None	Clear	10.76	4.11
058	G301	TAC	02/19/24	12:03	Low Flow	No	Clear	None	none	8.49	1.54
059	G302	TAC	02/19/24	13:27	Low Flow	No	Clear	None	Clear	11.34	1.79
060	G303	TAC	02/14/24	10:23	Low Flow	No	Clear	None	Clear	7.19	1.47
061	G305	TAC	02/19/24	14:56	Low Flow	No	Clear	None	Clear	6.74	0.08
062	G306	TAC	02/14/24	11:35	Low Flow	No	Clear	None	Clear	8.99	2.21
063	G307	TAC	02/14/24	14:58	Low Flow	No	Cloudy	None	Lite Brown	0.05	0.00
064	G307D	TAC	02/14/24	13:42	Low Flow	No	Clear	None	none	6.18	1.14
065	G308	TAC	02/16/24	10:04	Low Flow	No	Clear	None	none	5.36	0.57
066	G310	TAC	02/19/24	11:24	Low Flow	No	Clear	None	none	9.24	0.46
067	G312	TAC	02/19/24	14:11	Low Flow	No	Clear	None	none	13.00	1.05
068	G313	TAC	02/13/24	14:19	Low Flow	No	Clear	Slight	none	4.44	0.73
069	G314	TAC	02/13/24	13:11	Low Flow	No	Clear	None	Clear	11.38	4.68
070	G314D	TAC	02/13/24	12:20	Low Flow	No	Clear	None	Clear	12.39	6.24
071	G315	TAC	02/14/24	12:45	Low Flow	No	Clear	None	Clear	3.00	0.60
072	G316	TAC	02/13/24	11:31	Low Flow	No	Clear	None	Clear	12.71	0.80
073	G401	JC	02/21/24	12:46	Low Flow	Yes	Slightly cloudy	None	none	22.12	0.16
074	G402	JC	02/21/24	13:44	Low Flow	Yes	Slightly cloudy	None	none	9.81	0.00
075	G403	JC	02/21/24	11:43	Low Flow	Yes	Clear	None	none	6.96	0.55
076	G404	JC	02/21/24	10:37	Low Flow	Yes	Clear	None	none	4.30	0.00
077	G405	JC	02/21/24	11:09	Low Flow	Yes	Clear	None	none	6.30	0.00
078	G406	JC	02/21/24	12:11	Low Flow	Yes	Clear	None	none	12.13	0.00
079	G407	TAC	02/20/24	10:15	Low Flow	Yes	Clear	None	Clear	12.62	6.52
080	G410	TAC	02/20/24	11:18	Low Flow	Yes	Clear	None	Clear	10.10	1.35
081	G411	TAC	02/20/24	12:13	Low Flow	Yes	Clear	None	Clear	7.86	0.32
082	L201	JC	02/22/24	09:56	No purge	No	Slightly cloudy	Slight	none		
083	L202	JC	02/22/24	09:50	No purge	No	Slightly cloudy	Slight	none		
084	L203	JC	02/22/24	10:04	No purge	No	Slightly cloudy	Slight	none		



Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary

Coffeen- 1Q 2024

WO Sample	Well ID	Sampling Activities and Observations									
		Sampler Initials	Date	Time	Sampling Method	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
085	NE Riser	JC	02/21/24	14:25	Low Flow	No	Clear	None	none		
086	R104	JC	02/14/24	12:38	Low Flow	Yes	Clear	None	none	10.66	2.01
087	R201	JC	02/20/24	14:05	Low Flow	Yes	Clear	None	none	6.06	2.00
088	R205	JC	02/14/24	09:22	Low Flow	Yes	Clear	None	none	6.71	0.00
089	SG-02										
090	SG-03										
091	T127	JC	02/20/24	12:58	Low Flow	Yes	Slightly cloudy	None	none	14.63	0.00
092	T128	JC	02/15/24	09:29	Low Flow	Yes	Clear	None	none	14.67	0.00
093	X201	JC	02/20/24	08:47	No purge	No	Clear	None	none	27.91	0.00
094	XPW01	TAC	02/19/24	10:48	Low Flow	No	Clear	None	none	5.32	0.00
095	XPW02	TAC	02/16/24	10:45	Low Flow	No	Clear	None	none	10.71	0.31
096	XSG-01										
097	Field Blank	JC	02/21/24	15:03							
098	G102 Duplicate	JC	02/14/24	11:13	Low Flow	Yes	Clear	None	none	8.81	0.00
099	G200 Duplicate	JC	02/21/24	09:03	Low Flow	Yes	Clear	None	none	6.06	0.44
100	G273 Duplicate	JC	02/19/24	13:18	Low Flow	Yes	Clear	None	none	10.95	0.00
101	G301 Duplicate	TAC	02/19/24	12:03	Low Flow	No	Clear	None	none	8.49	1.54
102	R201 Duplicate	JC	02/20/24	14:05	Low Flow	Yes	Clear	None	none	6.06	2.00
103	Equipment Blank 1	JC	02/21/24	14:58							

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Summary

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

WO Sample	Well ID	COMMENTS
001	AP2D	
002	G1001	
003	G1003	DTW is bottom of well. No pump in well. Hard bottom.
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	
036	G213	
037	G214	
038	G215	
039	G216	
040	G217	
041	G218	
042	G270	

Site Samping Event: Coffeen 1Q24

Groundwater Sampling Summary

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

WO Sample	Well ID	COMMENTS
043	G271	
044	G272	
045	G273	
046	G274	
047	G275	13.35 to T.O.P.
048	G275D	
049	G276	
050	G277	20.26 to T.O.P.
051	G278	Well went dry during fill of bottles. Waited for recharge to
052	G279	
053	G280	
054	G281	
055	G283	
056	G284	Water level below T.O.P.
057	G285	
058	G301	
059	G302	
060	G303	
061	G305	
062	G306	
063	G307	
064	G307D	
065	G308	
066	G310	
067	G312	
068	G313	
069	G314	
070	G314D	
071	G315	
072	G316	
073	G401	ending depth was TOP.
074	G402	
075	G403	
076	G404	
077	G405	
078	G406	
079	G407	
080	G410	
081	G411	
082	L201	Sampled direct from leachate line; DTW from control panel
083	L202	Sampled direct from leachate line; DTW from control panel
084	L203	Sampled direct from leachate line; DTW from control panel



Site Samping Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary

Coffeen- 1Q 2024

WO Sample	Well ID	COMMENTS
085	NE Riser	
086	R104	
087	R201	
088	R205	
089	SG-02	
090	SG-03	
091	T127	
092	T128	
093	X201	grab - not a well. Reading is in meter as R201.
094	XPW01	
095	XPW02	
096	XSG-01	
097	Field Blank	
098	G102 Duplicate	
099	G200 Duplicate	
100	G273 Duplicate	
101	G301 Duplicate	
102	R201 Duplicate	
103	Equipment Blank 1	

Site Samping Event: Coffeen 1Q24
 LIMS Workorder: 24020001
 Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
Coffeen- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID	LIMS ID		
AP2D	2/21/2024	14:54	17.7	63.9	6.70	1,915.4	1.96	59.03	150.4	20.34	45720	24020001-001A		
G1001	2/15/2024	13:23	10.1	50.2	6.97	1,312.2	4.50	5.55	157.7	6.31	45600	24020001-002A		
G1003	2/21/2024	14:02	<i>Dry- No Sample</i>							N/A	N/A			24020001-003A
G101	2/15/2024	13:03	12.8	55.0	7.21	860.7	1.27	14.55	148.3	9.69	45720	24020001-004A		
G102	2/14/2024	11:13	12.7	54.9	7.17	980.2	2.40	8.69	148.7	8.81	45720	24020001-005A		
G103	2/14/2024	11:50	13.9	57.0	7.10	903.4	4.60	9.94	147.5	11.96	45720	24020001-006A		
G105	2/14/2024	12:12	14.3	57.7	7.10	891.5	2.22	8.80	147.6	9.32	45720	24020001-007A		
G106	2/14/2024	12:58	13.3	55.9	7.08	1,024.1	4.78	5.75	150.0	10.02	45720	24020001-008A		
G107	2/14/2024	13:30	13.8	56.8	7.24	808.8	5.47	14.00	145.7	10.52	45720	24020001-009A		
G108	2/14/2024	13:47	14.0	57.2	7.19	795.0	4.04	7.68	146.8	11.43	45720	24020001-010A		
G109	2/14/2024	14:05	14.1	57.4	6.96	1,003.4	2.01	8.96	153.4	11.90	45720	24020001-011A		
G110	2/14/2024	14:21	14.2	57.6	6.92	940.8	2.70	6.82	153.6	12.76	45720	24020001-012A		
G111	2/15/2024	9:03	13.4	56.1	6.56	910.2	3.34	1.72	178.1	14.03	45720	24020001-013A		
G119	2/15/2024	9:47	13.7	56.7	7.11	749.3	4.81	2.19	159.4	15.40	45720	24020001-014A		
G120	2/15/2024	10:04	13.6	56.5	7.09	925.1	6.57	4.11	160.2	15.84	45720	24020001-015A		
G121	2/15/2024	10:40	12.8	55.0	7.03	1,014.1	6.11	10.95	160.5	17.34	45720	24020001-016A		
G122	2/15/2024	11:05	13.4	56.1	6.85	1,218.1	5.63	10.73	164.8	17.96	45720	24020001-017A		
G123	2/15/2024	11:31	13.4	56.1	7.05	1,008.5	3.28	8.59	149.7	16.60	45720	24020001-018A		
G124	2/15/2024	11:53	13.4	56.1	7.16	915.8	5.35	3.83	150.9	17.42	45720	24020001-019A		
G125	2/15/2024	12:19	14.0	57.2	7.31	941.7	6.43	2.26	150.6	17.39	45720	24020001-020A		
G126	2/15/2024	13:22	13.2	55.8	7.19	874.3	3.69	1.46	151.4	10.55	45720	24020001-021A		
G151	2/19/2024	9:11	13.0	55.4	6.90	947.4	4.49	5.97	176.0	12.13	45720	24020001-022A		
G152	2/19/2024	11:09	11.0	51.8	7.10	882.0	3.80	28.58	148.9	11.14	45720	24020001-023A		
G153	2/19/2024	10:09	13.1	55.6	6.69	4,105.7	2.65	3.82	167.6	13.73	45720	24020001-024A		
G154	2/19/2024	9:48	13.4	56.1	7.23	689.8	2.29	9.35	148.5	13.36	45720	24020001-025A		
G155	2/16/2024	10:37	12.3	54.1	7.17	987.2	3.75	17.60	140.6	13.42	45720	24020001-026A		
G200	2/21/2024	9:03	11.8	53.2	6.69	861.9	2.45	10.96	170.9	5.62	45720	24020001-027A		
G206	2/13/2024	11:44	14.3	57.7	7.17	875.0	1.48	4.45	95.5	11.50	45720	24020001-028A		
G206D	2/16/2024	9:31	11.7	53.1	6.63	1,038.4	2.53	6.33	172.8	29.30	45720	24020001-029A		
G207	2/15/2024	11:55	13.6	56.5	7.18	612.2	2.81	1.87	124.5	11.50	45600	24020001-030A		
G208	2/13/2024	11:00	14.0	57.2	7.29	582.7	4.91	2.77	129.4	10.80	45720	24020001-031A		
G209	2/13/2024	10:30	13.6	56.5	6.83	1,277.6	1.65	6.89	139.2	10.59	45720	24020001-032A		
G210	2/13/2024	9:48	13.7	56.7	7.12	941.5	3.57	11.31	138.6	11.71	45720	24020001-033A		
G211	2/14/2024	10:46	14.5	58.1	7.17	841.2	3.41	14.18	149.7	12.50	45720	24020001-034A		
G212	2/14/2024	10:17	13.9	57.0	7.09	736.4	4.26	3.41	152.2	12.95	45720	24020001-035A		
G213	2/14/2024	9:55	13.7	56.7	6.98	722.7	4.92	11.77	156.6	13.23	45720	24020001-036A		
G214	2/13/2024	14:37	14.5	58.1	7.09	1,011.7	2.71	7.95	114.8	16.06	45720	24020001-037A		
G215	2/13/2024	14:12	14.1	57.4	6.85	2,017.8	1.61	10.14	121.5	15.60	45720	24020001-038A		
G216	2/13/2024	13:39	14.6	58.3	6.83	2,206.5	1.10	11.15	103.7	14.88	45720	24020001-039A		
G217	2/13/2024	12:40	14.2	57.6	6.85	1,593.3	1.56	11.23	128.9	16.17	45720	24020001-040A		
G218	2/13/2024	12:11	14.2	57.6	6.86	1,564.1	1.69	20.20	125.2	15.07	45720	24020001-041A		
G270	2/19/2024	11:56	10.6	51.1	7.15	733.0	2.98	23.96	147.0	2.86	45720	24020001-042A		
G271	2/19/2024	12:20	13.2	55.8	7.28	1,030.5	6.01	7.82	148.8	11.05	45720	24020001-043A		
G272	2/19/2024	12:51	13.0	55.4	7.25	1,297.0	5.58	8.34	151.8	10.25	45720	24020001-044A		
G273	2/19/2024	13:18	13.6	56.5	6.99	1,680.5	1.76	9.78	151.0	10.95	45720	24020001-045A		
G274	2/19/2024	13:45	13.8	56.8	7.13	1,043.2	2.98	2.04	143.2	14.33	45720	24020001-046A		
G275	2/19/2024	14:21	12.9	55.2	6.95	1,407.7	4.06	5.69	134.4	13.35	45720	24020001-047A		



Site Samping Event: Coffeen 1Q24
 LIMS Workorder: 24020001
 Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary
 Coffeen- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID	LIMS ID	
G275D	2/19/2024	14:05	13.8	56.8	7.19	1,501.8	1.91	13.32	129.9	38.99	45720	24020001-048A	
G276	2/20/2024	9:21	12.2	54.0	6.68	1,348.3	5.92	16.95	173.7	27.70	45720	24020001-049A	
G277	2/20/2024	9:40	12.4	54.3	6.65	1,910.1	4.41	11.76	172.9	20.26	45720	24020001-050A	
G278	2/15/2024	11:03	12.8	55.0	6.65	3,507.0	1.48	7.42	145.9	25.14	45600	24020001-051A	
G279	2/20/2024	10:25	14.3	57.7	6.75	5,991.5	3.65	4.72	173.7	24.63	45720	24020001-052A	
G280	2/20/2024	11:10	12.2	54.0	7.36	883.1	3.51	26.73	135.9	6.40	45720	24020001-053A	
G281	2/15/2024	14:22	12.8	55.0	6.92	1,368.1	2.53	31.10	155.5	5.91	45720	24020001-054A	
G283	2/21/2024	10:11	11.1	52.0	6.88	1,271.7	1.01	22.65	156.0	5.30	45720	24020001-055A	
G284	2/20/2024	14:26	11.7	53.1	7.13	653.4	2.51	2.87	128.4	11.77	45600	24020001-056A	
G285	2/20/2024	13:18	12.4	54.3	6.74	1,558.9	0.53	12.10	126.9	6.65	45600	24020001-057A	
G301	2/19/2024	12:03	12.2	54.0	6.59	991.1	0.72	22.24	109.9	6.95	45600	24020001-058A	
G302	2/19/2024	13:27	12.5	54.5	6.66	1,371.4	1.64	69.26	25.0	9.55	45600	24020001-059A	
G303	2/14/2024	10:23	11.7	53.1	6.69	1,751.6	1.38	30.79	116.5	5.72	45600	24020001-060A	
G305	2/19/2024	14:56	13.1	55.6	7.16	1,443.0	0.64	23.73	95.6	6.66	45600	24020001-061A	
G306	2/14/2024	11:35	12.9	55.2	6.34	663.0	2.42	30.08	137.2	6.78	45600	24020001-062A	
G307	2/14/2024	14:58	14.8	58.6	6.93	1,046.5	1.09	256.42	98.6	0.05	45600	24020001-063A	
G307D	2/14/2024	13:42	14.1	57.4	7.07	1,207.3	2.50	16.04	30.5	5.04	45600	24020001-064A	
G308	2/16/2024	10:04	11.3	52.3	7.08	1,533.1	0.56	6.78	119.4	4.79	45600	24020001-065A	
G310	2/19/2024	11:24	12.7	54.9	7.07	1,141.7	0.52	2.32	93.4	8.78	45600	24020001-066A	
G312	2/19/2024	14:11	12.6	54.7	6.33	1,454.0	1.15	3.37	83.9	11.95	45600	24020001-067A	
G313	2/13/2024	14:19	12.2	54.0	6.78	1,625.5	0.34	33.28	91.4	3.71	45600	24020001-068A	
G314	2/13/2024	13:11	11.8	53.2	6.56	2,975.1	0.54	116.64	4.9	6.70	45600	24020001-069A	
G314D	2/13/2024	12:20	12.5	54.5	6.80	2,524.5	0.40	115.06	-15.6	6.15	45600	24020001-070A	
G315	2/14/2024	12:45	11.8	53.2	6.69	1,161.3	0.62	3.06	153.2	2.40	45600	24020001-071A	
G316	2/13/2024	11:31	10.9	51.6	6.87	1,742.0	0.68	1.21	-68.4	11.91	45600	24020001-072A	
G401	2/21/2024	12:46	15.8	60.4	5.68	2,985.8	1.38	9.98	177.0	21.96	45720	24020001-073A	
G402	2/21/2024	13:44	13.9	57.0	6.75	1,711.6	4.12	29.32	147.0	9.81	45720	24020001-074A	
G403	2/21/2024	11:43	13.3	55.9	6.88	738.3	2.57	7.53	146.4	6.41	45720	24020001-075A	
G404	2/21/2024	10:37	11.2	52.2	6.84	1,262.6	3.13	5.14	151.4	4.30	45720	24020001-076A	
G405	2/21/2024	11:09	12.5	54.5	6.85	2,026.2	2.81	8.87	152.9	6.30	45720	24020001-077A	
G406	2/21/2024	12:11	15.2	59.4	6.58	1,417.7	2.87	0.71	158.2	12.13	45720	24020001-078A	
G407	2/20/2024	10:15	13.0	55.4	6.78	1,849.5	3.48	6.85	141.3	6.10	45600	24020001-079A	
G410	2/20/2024	11:18	12.0	53.6	6.46	957.3	1.79	1.46	118.6	8.75	45600	24020001-080A	
G411	2/20/2024	12:13	12.5	54.5	7.25	742.1	2.18	6.15	118.8	7.54	45600	24020001-081A	
L201	2/22/2024	9:56	16.0	60.8	11.54	6,499.0	7.07	4.64	-38.6	2.10	45720	24020001-082A	
L202	2/22/2024	9:50	18.2	64.8	11.53	15,607.5	6.09	8.56	-33.6	2.21	45720	24020001-083A	
L203	2/22/2024	10:04	18.6	65.5	11.75	7,304.8	4.39	4.23	-46.2	2.06	45720	24020001-084A	
NE Riser	2/21/2024	14:25	12.2	54.0	6.54	17,574.9	2.52	1.94	181.7	7.02	45720	24020001-085A	
R104	2/14/2024	12:38	12.9	55.2	7.43	830.1	5.98	5.26	140.9	8.65	45720	24020001-086A	
R201	2/20/2024	14:05	13.9	57.0	7.00	971.2	1.57	14.47	147.0	4.06	45720	24020001-087A	
R205	2/14/2024	9:22	12.4	54.3	6.52	1,429.5	1.42	14.07	170.0	6.71	45720	24020001-088A	
SG-02	2/12/2024	15:01								DTW Only	7.22	N/A	24020001-089A
SG-03	2/12/2024	11:43								DTW Only	8.44	N/A	24020001-090A
T127	2/20/2024	12:58	14.3	57.7	7.07	835.2	2.81	49.63	148.7	14.63	45720	24020001-091A	
T128	2/15/2024	9:29	13.6	56.5	6.84	793.6	3.99	0.82	165.5	14.67	45720	24020001-092A	
X201	2/20/2024	8:47	3.6	38.5	4.43	19,872.2	10.58	5.96	244.9	27.91	45720	24020001-093A	
XPW01	2/19/2024	10:48	14.3	57.7	7.86	1,014.2	0.56	11.22	72.9	5.32	45600	24020001-094A	



Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Stabilized Field Parameters Summary

Coffeen- 1Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Instrument ID	LIMS ID
XPW02	2/16/2024	10:45	16.5	61.7	7.70	667.7	0.48	4.05	-146.8	10.40	45600	24020001-095A
XSG-01	2/12/2024	15:10	DTW Only							6.72	N/A	24020001-096A
Field Blank	2/21/2024	15:03	QA/QC Sample							N/A	24020001-097A	
G102 Duplicate	2/14/2024	11:13	12.7	54.9	7.17	980.2	2.40	8.69	148.7	8.81	45720	24020001-098A
G200 Duplicate	2/21/2024	9:03	11.8	53.2	6.69	861.9	2.45	10.96	170.9	5.62	45720	24020001-099A
G273 Duplicate	2/19/2024	13:18	13.6	56.5	6.99	1,680.5	1.76	9.78	151.0	10.95	45720	24020001-100A
G301 Duplicate	2/19/2024	12:03	12.2	54.0	6.59	991.1	0.72	22.24	109.9	6.95	45600	24020001-101A
R201 Duplicate	2/20/2024	14:05	13.9	57.0	7.00	971.2	1.57	14.47	147.0	4.06	45720	24020001-102A
Equipment Blank 1	2/21/2024	14:58	QA/QC Sample							N/A	24020001-103A	

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP2D	2/21/2024	14:42	20.34	17.4	63.3	6.85	1,837.0	3.97	68.32	140.3
AP2D	2/21/2024	14:45	20.34	17.1	62.8	6.77	1,878.2	3.21	65.54	146.6
AP2D	2/21/2024	14:48	20.34	17.1	62.8	6.73	1,892.0	2.67	55.06	149.0
AP2D	2/21/2024	14:51	20.34	17.5	63.5	6.71	1,903.1	2.29	61.68	150.0
AP2D	2/21/2024	14:54	20.34	17.7	63.9	6.70	1,915.4	1.96	59.03	150.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1001	2/15/2024	13:14	6.31	10.2	50.4	7.00	1,325.5	5.01	9.37	159.0
G1001	2/15/2024	13:17	6.31	10.3	50.5	7.00	1,323.5	4.91	8.08	158.4
G1001	2/15/2024	13:20	6.31	10.0	50.0	6.99	1,321.3	4.70	7.58	158.0
G1001	2/15/2024	13:23	6.31	10.1	50.2	6.97	1,312.2	4.50	5.55	157.7
G1001	2/15/2024	13:14	6.31	10.2	50.4	7.00	1,325.5	5.01	9.37	159.0
G1001	2/15/2024	13:17	6.31	10.3	50.5	7.00	1,323.5	4.91	8.08	158.4
G1001	2/15/2024	13:20	6.31	10.0	50.0	6.99	1,321.3	4.70	7.58	158.0
G1001	2/15/2024	13:23	6.31	10.1	50.2	6.97	1,312.2	4.50	5.55	157.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1003	2/21/2024	14:02	N/A							

Dry- No Sample

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G101	2/15/2024	12:39	9.69	12.9	55.2	7.27	884.7	2.28	38.37	149.0
G101	2/15/2024	12:42	9.69	12.9	55.2	7.25	875.1	1.97	32.44	149.0
G101	2/15/2024	12:45	9.69	12.9	55.2	7.24	869.8	1.78	27.09	149.0
G101	2/15/2024	12:48	9.69	12.8	55.0	7.23	867.0	1.63	23.91	149.0
G101	2/15/2024	12:51	9.69	12.8	55.0	7.23	865.9	1.53	20.72	148.9
G101	2/15/2024	12:54	9.69	12.8	55.0	7.22	864.0	1.45	20.28	148.7
G101	2/15/2024	12:57	9.69	12.8	55.0	7.22	863.0	1.37	17.64	148.6
G101	2/15/2024	13:00	9.69	12.8	55.0	7.22	861.7	1.31	15.07	148.5
G101	2/15/2024	13:03	9.69	12.8	55.0	7.21	860.7	1.27	14.55	148.3

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102	2/14/2024	11:04	8.81	13.0	55.4	7.23	1,114.6	3.03	21.02	150.6
G102	2/14/2024	11:07	8.81	12.9	55.2	7.18	1,100.9	2.30	13.22	150.7
G102	2/14/2024	11:10	8.81	12.8	55.0	7.16	1,071.4	2.08	12.46	149.8
G102	2/14/2024	11:13	8.81	12.7	54.9	7.17	980.2	2.40	8.69	148.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G103	2/14/2024	11:44	11.96	13.9	57.0	7.13	900.2	5.10	14.74	147.0
G103	2/14/2024	11:47	11.96	13.9	57.0	7.13	898.8	4.95	12.08	147.0
G103	2/14/2024	11:50	11.96	13.9	57.0	7.10	903.4	4.60	9.94	147.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	2/14/2024	12:06	9.32	13.5	56.3	7.22	892.2	3.99	20.82	146.8
G105	2/14/2024	12:09	9.32	13.7	56.7	7.14	888.9	2.62	10.48	147.5
G105	2/14/2024	12:12	9.32	14.3	57.7	7.10	891.5	2.22	8.80	147.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	2/14/2024	12:52	10.02	13.4	56.1	7.16	1,009.7	6.19	14.51	149.0
G106	2/14/2024	12:55	10.02	13.2	55.8	7.11	1,024.1	5.16	9.92	149.6
G106	2/14/2024	12:58	10.02	13.3	55.9	7.08	1,024.1	4.78	5.75	150.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G107	2/14/2024	13:18	10.52	13.6	56.5	7.30	812.2	6.30	23.13	144.7
G107	2/14/2024	13:21	10.52	13.7	56.7	7.28	811.8	6.05	19.06	145.1
G107	2/14/2024	13:24	10.52	13.8	56.8	7.26	809.6	5.83	17.44	145.4
G107	2/14/2024	13:27	10.52	13.9	57.0	7.25	809.2	5.63	15.73	145.6
G107	2/14/2024	13:30	10.52	13.8	56.8	7.24	808.8	5.47	14.00	145.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G108	2/14/2024	13:41	11.43	13.9	57.0	7.30	776.5	6.41	6.67	145.3
G108	2/14/2024	13:44	11.43	14.1	57.4	7.22	794.5	4.58	10.26	146.4
G108	2/14/2024	13:47	11.43	14.0	57.2	7.19	795.0	4.04	7.68	146.8

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	2/14/2024	13:59	11.90	13.8	56.8	7.24	971.2	6.52	9.96	150.3
G109	2/14/2024	14:02	11.90	14.0	57.2	7.02	1,002.5	3.03	7.44	152.7
G109	2/14/2024	14:05	11.90	14.1	57.4	6.96	1,003.4	2.01	8.96	153.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G110	2/14/2024	14:15	12.76	13.9	57.0	7.11	936.6	4.19	4.11	151.7
G110	2/14/2024	14:18	12.76	14.2	57.6	6.97	944.8	3.02	9.10	153.1
G110	2/14/2024	14:21	12.76	14.2	57.6	6.92	940.8	2.70	6.82	153.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	2/15/2024	8:57	14.03	13.2	55.8	6.16	896.8	6.82	3.80	190.0
G111	2/15/2024	9:00	14.03	13.4	56.1	6.41	921.3	4.10	2.05	183.6
G111	2/15/2024	9:03	14.03	13.4	56.1	6.56	910.2	3.34	1.72	178.1

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	2/15/2024	9:41	15.40	13.3	55.9	7.21	728.4	7.50	2.91	160.9
G119	2/15/2024	9:44	15.40	13.6	56.5	7.13	747.8	5.51	2.74	160.4
G119	2/15/2024	9:47	15.40	13.7	56.7	7.11	749.3	4.81	2.19	159.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	2/15/2024	9:58	15.84	13.2	55.8	7.17	912.5	8.38	5.47	160.5
G120	2/15/2024	10:01	15.84	13.6	56.5	7.10	923.6	6.96	4.33	160.7
G120	2/15/2024	10:04	15.84	13.6	56.5	7.09	925.1	6.57	4.11	160.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G121	2/15/2024	10:31	17.34	13.5	56.3	7.04	1,014.0	6.26	35.90	160.3
G121	2/15/2024	10:34	17.34	13.2	55.8	7.03	1,016.4	6.19	17.60	160.4
G121	2/15/2024	10:37	17.34	12.8	55.0	7.03	1,016.4	6.16	14.89	160.3
G121	2/15/2024	10:40	17.34	12.8	55.0	7.03	1,014.1	6.11	10.95	160.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G122	2/15/2024	10:59	17.96	13.4	56.1	6.93	1,238.8	5.89	21.75	164.0
G122	2/15/2024	11:02	17.96	13.3	55.9	6.87	1,223.5	5.74	15.69	164.6
G122	2/15/2024	11:05	17.96	13.4	56.1	6.85	1,218.1	5.63	10.73	164.8

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G123	2/15/2024	11:25	16.60	12.8	55.0	7.35	961.0	7.96	4.77	142.4
G123	2/15/2024	11:28	16.60	13.5	56.3	7.14	994.4	5.24	14.19	147.6
G123	2/15/2024	11:31	16.60	13.4	56.1	7.05	1,008.5	3.28	8.59	149.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G124	2/15/2024	11:47	17.42	13.6	56.5	7.29	915.8	7.87	15.54	148.4
G124	2/15/2024	11:50	17.42	13.6	56.5	7.19	916.9	6.08	7.01	150.3
G124	2/15/2024	11:53	17.42	13.4	56.1	7.16	915.8	5.35	3.83	150.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	2/15/2024	12:10	17.39	14.2	57.6	7.43	936.9	7.36	5.09	150.9
G125	2/15/2024	12:13	17.39	14.1	57.4	7.37	936.7	7.23	2.23	150.3
G125	2/15/2024	12:16	17.39	14.0	57.2	7.34	939.0	6.80	2.01	150.5
G125	2/15/2024	12:19	17.39	14.0	57.2	7.31	941.7	6.43	2.26	150.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G126	2/15/2024	13:16	10.55	12.9	55.2	7.37	909.6	7.07	2.75	150.7
G126	2/15/2024	13:19	10.55	13.2	55.8	7.24	896.1	4.52	1.62	151.2
G126	2/15/2024	13:22	10.55	13.2	55.8	7.19	874.3	3.69	1.46	151.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G151	2/19/2024	9:05	12.13	13.1	55.6	6.60	975.1	5.30	23.05	185.4
G151	2/19/2024	9:08	12.13	13.0	55.4	6.80	952.4	4.82	9.45	179.5
G151	2/19/2024	9:11	12.13	13.0	55.4	6.90	947.4	4.49	5.97	176.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G152	2/19/2024	11:00	11.14	11.0	51.8	7.11	908.1	5.00	54.05	148.9
G152	2/19/2024	11:03	11.14	10.9	51.6	7.11	896.5	4.56	41.78	148.8
G152	2/19/2024	11:06	11.14	10.9	51.6	7.10	889.3	4.17	33.80	148.8
G152	2/19/2024	11:09	11.14	11.0	51.8	7.10	882.0	3.80	28.58	148.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G153	2/19/2024	10:03	13.73	13.2	55.8	6.68	4,284.0	3.82	13.36	171.5
G153	2/19/2024	10:06	13.73	13.2	55.8	6.66	4,230.8	2.57	6.61	169.2
G153	2/19/2024	10:09	13.73	13.1	55.6	6.69	4,105.7	2.65	3.82	167.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G154	2/19/2024	9:39	13.36	13.3	55.9	7.24	690.6	2.92	18.81	148.8
G154	2/19/2024	9:42	13.36	13.3	55.9	7.23	689.6	2.63	13.73	148.9
G154	2/19/2024	9:45	13.36	13.4	56.1	7.23	690.1	2.44	13.18	148.7
G154	2/19/2024	9:48	13.36	13.4	56.1	7.23	689.8	2.29	9.35	148.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G155	2/16/2024	10:19	13.42	12.2	54.0	7.24	990.9	5.21	34.53	133.2
G155	2/16/2024	10:22	13.42	12.3	54.1	7.21	990.6	5.01	25.87	137.9
G155	2/16/2024	10:25	13.42	12.4	54.3	7.20	989.7	4.68	25.89	138.8
G155	2/16/2024	10:28	13.42	12.4	54.3	7.19	989.6	4.37	22.74	139.6
G155	2/16/2024	10:31	13.42	12.3	54.1	7.18	989.6	4.15	19.00	140.1
G155	2/16/2024	10:34	13.42	12.3	54.1	7.17	988.6	3.92	18.15	140.4
G155	2/16/2024	10:37	13.42	12.3	54.1	7.17	987.2	3.75	17.60	140.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200	2/21/2024	8:51	5.62	10.8	51.4	5.88	873.9	8.11	239.67	177.3
G200	2/21/2024	8:54	5.62	11.3	52.3	6.33	872.9	4.83	67.64	176.5
G200	2/21/2024	8:57	5.62	11.5	52.7	6.51	866.6	3.60	31.43	175.1
G200	2/21/2024	9:00	5.62	11.6	52.9	6.62	862.6	2.87	15.60	173.0
G200	2/21/2024	9:03	5.62	11.8	53.2	6.69	861.9	2.45	10.96	170.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206	2/13/2024	11:38	11.50	14.5	58.1	7.21	866.9	2.50	9.67	95.9
G206	2/13/2024	11:41	11.50	14.2	57.6	7.19	869.3	1.78	6.24	96.1
G206	2/13/2024	11:44	11.50	14.3	57.7	7.17	875.0	1.48	4.45	95.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206D	2/13/2024	11:23	29.30	14.2	57.6	7.30	1,052.9	4.19	11.04	128.3
G206D	2/13/2024	11:26	29.30	13.9	57.0	7.20	1,051.7	2.54	11.65	122.9
G206D	2/13/2024	11:29	29.30	13.9	57.0	7.21	1,046.9	1.96	23.62	109.4
G206D	2/16/2024	9:25	29.30	10.2	50.4	6.09	1,076.2	5.32	15.03	187.7
G206D	2/16/2024	9:28	29.30	11.5	52.7	6.41	1,038.6	3.67	5.72	181.2
G206D	2/16/2024	9:31	29.30	11.7	53.1	6.63	1,038.4	2.53	6.33	172.8

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G207	2/15/2024	11:43	11.50	13.0	55.4	7.25	616.6	3.56	3.58	124.9
G207	2/15/2024	11:46	11.50	13.2	55.8	7.23	619.3	3.38	4.03	125.2
G207	2/15/2024	11:49	11.50	13.3	55.9	7.21	614.2	3.04	3.20	125.1
G207	2/15/2024	11:52	11.50	13.4	56.1	7.19	614.2	3.02	3.14	125.0
G207	2/15/2024	11:55	11.50	13.6	56.5	7.18	612.2	2.81	1.87	124.5
G207	2/15/2024	11:43	11.50	13.0	55.4	7.25	616.6	3.56	3.58	124.9
G207	2/15/2024	11:46	11.50	13.2	55.8	7.23	619.3	3.38	4.03	125.2
G207	2/15/2024	11:49	11.50	13.3	55.9	7.21	614.2	3.04	3.20	125.1
G207	2/15/2024	11:52	11.50	13.4	56.1	7.19	614.2	3.02	3.14	125.0
G207	2/15/2024	11:55	11.50	13.6	56.5	7.18	612.2	2.81	1.87	124.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	2/13/2024	10:51	10.80	14.1	57.4	7.45	584.3	6.01	8.12	126.0
G208	2/13/2024	10:54	10.80	14.0	57.2	7.36	584.8	5.36	6.07	127.9
G208	2/13/2024	10:57	10.80	14.0	57.2	7.31	584.1	5.07	3.95	128.9
G208	2/13/2024	11:00	10.80	14.0	57.2	7.29	582.7	4.91	2.77	129.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G209	2/13/2024	10:21	10.59	13.4	56.1	6.88	1,278.5	2.57	17.89	140.2
G209	2/13/2024	10:24	10.59	13.5	56.3	6.85	1,277.9	2.13	13.12	140.1
G209	2/13/2024	10:27	10.59	13.6	56.5	6.84	1,277.3	1.85	10.95	139.7
G209	2/13/2024	10:30	10.59	13.6	56.5	6.83	1,277.6	1.65	6.89	139.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G210	2/13/2024	9:36	11.71	13.4	56.1	7.20	939.1	5.18	23.80	129.6
G210	2/13/2024	9:39	11.71	13.7	56.7	7.15	940.1	4.32	17.23	135.0
G210	2/13/2024	9:42	11.71	13.6	56.5	7.13	940.0	3.95	15.16	137.1
G210	2/13/2024	9:45	11.71	13.7	56.7	7.12	940.2	3.74	10.79	138.1
G210	2/13/2024	9:48	11.71	13.7	56.7	7.12	941.5	3.57	11.31	138.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	2/14/2024	10:37	12.50	14.3	57.7	7.20	842.8	4.35	18.79	151.8
G211	2/14/2024	10:40	12.50	14.4	57.9	7.18	841.8	3.85	14.94	151.1
G211	2/14/2024	10:43	12.50	14.5	58.1	7.17	840.7	3.59	15.29	150.4
G211	2/14/2024	10:46	12.50	14.5	58.1	7.17	841.2	3.41	14.18	149.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G212	2/14/2024	10:11	12.95	13.7	56.7	7.18	730.7	6.57	6.12	152.1
G212	2/14/2024	10:14	12.95	13.8	56.8	7.13	733.8	5.37	4.34	152.1
G212	2/14/2024	10:17	12.95	13.9	57.0	7.09	736.4	4.26	3.41	152.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G213	2/14/2024	9:46	13.23	13.7	56.7	6.96	722.7	5.18	24.40	157.7
G213	2/14/2024	9:49	13.23	13.6	56.5	6.97	722.6	5.15	19.05	157.3
G213	2/14/2024	9:52	13.23	13.6	56.5	6.97	722.8	5.01	14.63	157.1
G213	2/14/2024	9:55	13.23	13.7	56.7	6.98	722.7	4.92	11.77	156.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G214	2/13/2024	14:31	16.06	14.4	57.9	7.12	1,028.2	3.05	14.14	114.0
G214	2/13/2024	14:34	16.06	14.5	58.1	7.11	1,014.6	2.95	9.82	114.4
G214	2/13/2024	14:37	16.06	14.5	58.1	7.09	1,011.7	2.71	7.95	114.8

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G215	2/13/2024	14:00	15.60	14.1	57.4	6.86	2,014.8	1.92	16.53	122.0
G215	2/13/2024	14:03	15.60	14.1	57.4	6.86	2,015.6	1.72	15.32	122.0
G215	2/13/2024	14:06	15.60	14.0	57.2	6.85	2,016.7	1.58	11.83	121.8
G215	2/13/2024	14:09	15.60	14.1	57.4	6.85	2,016.1	1.51	11.96	121.6
G215	2/13/2024	14:12	15.60	14.1	57.4	6.85	2,017.8	1.61	10.14	121.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G216	2/13/2024	13:24	14.88	14.5	58.1	6.83	2,205.5	1.17	26.09	110.4
G216	2/13/2024	13:27	14.88	14.5	58.1	6.83	2,204.7	1.16	24.03	109.1
G216	2/13/2024	13:30	14.88	14.5	58.1	6.83	2,206.0	1.15	18.90	107.7
G216	2/13/2024	13:33	14.88	14.6	58.3	6.83	2,206.3	1.14	15.82	106.5
G216	2/13/2024	13:36	14.88	14.6	58.3	6.83	2,205.1	1.12	12.31	105.1
G216	2/13/2024	13:39	14.88	14.6	58.3	6.83	2,206.5	1.10	11.15	103.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217	2/13/2024	12:28	16.17	14.2	57.6	6.97	1,591.7	3.55	17.31	129.0
G217	2/13/2024	12:31	16.17	14.2	57.6	6.91	1,591.9	2.66	13.17	129.5
G217	2/13/2024	12:34	16.17	14.2	57.6	6.88	1,591.5	2.15	11.43	129.4
G217	2/13/2024	12:37	16.17	14.3	57.7	6.86	1,591.7	1.80	12.26	129.3
G217	2/13/2024	12:40	16.17	14.2	57.6	6.85	1,593.3	1.56	11.23	128.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	2/13/2024	12:05	15.07	14.0	57.2	6.94	1,547.5	3.22	19.12	125.0
G218	2/13/2024	12:08	15.07	14.1	57.4	6.88	1,549.8	2.13	19.63	125.4
G218	2/13/2024	12:11	15.07	14.2	57.6	6.86	1,564.1	1.69	20.20	125.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G270	2/19/2024	11:47	2.86	10.6	51.1	7.18	733.5	3.24	31.50	146.1
G270	2/19/2024	11:50	2.86	10.6	51.1	7.16	733.3	3.12	27.13	146.4
G270	2/19/2024	11:53	2.86	10.6	51.1	7.15	732.9	3.02	24.62	146.8
G270	2/19/2024	11:56	2.86	10.6	51.1	7.15	733.0	2.98	23.96	147.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G271	2/19/2024	12:14	11.05	13.0	55.4	7.36	1,144.6	8.42	9.69	147.6
G271	2/19/2024	12:17	11.05	13.0	55.4	7.31	1,063.3	6.54	10.55	148.5
G271	2/19/2024	12:20	11.05	13.2	55.8	7.28	1,030.5	6.01	7.82	148.8

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G272	2/19/2024	12:42	10.25	13.0	55.4	7.32	1,301.3	6.37	30.40	150.3
G272	2/19/2024	12:45	10.25	13.0	55.4	7.30	1,290.1	6.18	17.15	150.8
G272	2/19/2024	12:48	10.25	13.0	55.4	7.28	1,293.0	5.89	10.94	151.3
G272	2/19/2024	12:51	10.25	13.0	55.4	7.25	1,297.0	5.58	8.34	151.8

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273	2/19/2024	13:12	10.95	13.5	56.3	7.06	1,661.5	2.83	27.92	147.7
G273	2/19/2024	13:15	10.95	13.5	56.3	7.01	1,675.5	2.11	14.56	149.8
G273	2/19/2024	13:18	10.95	13.6	56.5	6.99	1,680.5	1.76	9.78	151.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G274	2/19/2024	13:39	14.33	14.0	57.2	7.33	1,029.7	4.96	9.11	136.0
G274	2/19/2024	13:42	14.33	13.9	57.0	7.22	984.7	3.80	3.96	140.1
G274	2/19/2024	13:45	14.33	13.8	56.8	7.13	1,043.2	2.98	2.04	143.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275	2/19/2024	14:15	13.35	12.4	54.3	7.04	1,411.8	4.53	14.32	128.9
G275	2/19/2024	14:18	13.35	12.7	54.9	6.98	1,410.2	4.21	10.20	132.1
G275	2/19/2024	14:21	13.35	12.9	55.2	6.95	1,407.7	4.06	5.69	134.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275D	2/19/2024	13:59	38.99	14.2	57.6	7.20	1,492.6	4.04	8.13	130.3
G275D	2/19/2024	14:02	38.99	13.6	56.5	7.18	1,502.1	2.50	9.19	129.6
G275D	2/19/2024	14:05	38.99	13.8	56.8	7.19	1,501.8	1.91	13.32	129.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G276	2/20/2024	9:09	27.70	13.1	55.6	6.16	1,384.6	7.47	21.75	177.8
G276	2/20/2024	9:12	27.70	12.8	55.0	6.45	1,346.2	6.37	57.17	178.7
G276	2/20/2024	9:15	27.70	12.2	54.0	6.57	1,342.8	5.54	34.08	176.7
G276	2/20/2024	9:18	27.70	12.0	53.6	6.66	1,345.8	6.31	17.62	174.7
G276	2/20/2024	9:21	27.70	12.2	54.0	6.68	1,348.3	5.92	16.95	173.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G277	2/20/2024	9:34	20.26	12.3	54.1	6.83	1,984.9	7.62	16.18	169.1
G277	2/20/2024	9:37	20.26	12.3	54.1	6.69	1,931.0	5.53	17.43	172.1
G277	2/20/2024	9:40	20.26	12.4	54.3	6.65	1,910.1	4.41	11.76	172.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G278	2/15/2024	10:54	25.14	12.7	54.9	6.63	3,561.9	2.27	20.28	149.1
G278	2/15/2024	10:57	25.14	12.8	55.0	6.64	3,555.7	1.88	25.94	147.9
G278	2/15/2024	11:00	25.14	12.9	55.2	6.65	3,524.0	1.65	20.88	146.7
G278	2/15/2024	11:03	25.14	12.8	55.0	6.65	3,507.0	1.48	7.42	145.9
G278	2/15/2024	10:54	25.14	12.7	54.9	6.63	3,561.9	2.27	20.28	149.1
G278	2/15/2024	10:57	25.14	12.8	55.0	6.64	3,555.7	1.88	25.94	147.9
G278	2/15/2024	11:00	25.14	12.9	55.2	6.65	3,524.0	1.65	20.88	146.7
G278	2/15/2024	11:03	25.14	12.8	55.0	6.65	3,507.0	1.48	7.42	145.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G279	2/20/2024	10:19	24.63	12.8	55.0	7.05	7,213.0	8.64	2.84	174.7
G279	2/20/2024	10:22	24.63	13.9	57.0	6.85	6,595.6	5.20	3.94	174.0
G279	2/20/2024	10:25	24.63	14.3	57.7	6.75	5,991.5	3.65	4.72	173.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G280	2/20/2024	11:01	6.40	12.2	54.0	7.44	888.4	4.15	30.29	131.9
G280	2/20/2024	11:04	6.40	12.1	53.8	7.40	885.0	3.87	31.84	133.7
G280	2/20/2024	11:07	6.40	12.1	53.8	7.38	883.3	3.66	27.48	134.9
G280	2/20/2024	11:10	6.40	12.2	54.0	7.36	883.1	3.51	26.73	135.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G281	2/15/2024	14:16	5.91	12.7	54.9	6.93	1,367.9	2.68	33.43	154.8
G281	2/15/2024	14:19	5.91	12.8	55.0	6.92	1,367.9	2.59	30.45	155.2
G281	2/15/2024	14:22	5.91	12.8	55.0	6.92	1,368.1	2.53	31.10	155.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G283	2/21/2024	9:47	5.30	10.9	51.6	6.85	1,273.2	1.65	63.54	160.2
G283	2/21/2024	9:50	5.30	10.9	51.6	6.85	1,271.7	1.48	56.58	159.6
G283	2/21/2024	9:53	5.30	10.9	51.6	6.85	1,270.4	1.36	50.53	159.0
G283	2/21/2024	9:56	5.30	11.0	51.8	6.86	1,268.5	1.27	46.20	158.4
G283	2/21/2024	9:59	5.30	10.9	51.6	6.86	1,265.3	1.17	37.64	157.9
G283	2/21/2024	10:02	5.30	10.9	51.6	6.87	1,272.0	1.12	32.91	157.3
G283	2/21/2024	10:05	5.30	10.9	51.6	6.87	1,273.4	1.08	26.23	156.9
G283	2/21/2024	10:08	5.30	11.0	51.8	6.87	1,272.2	1.04	24.05	156.5
G283	2/21/2024	10:11	5.30	11.1	52.0	6.88	1,271.7	1.01	22.65	156.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G284	2/20/2024	14:20	11.77	11.7	53.1	7.15	646.1	3.03	5.28	128.4
G284	2/20/2024	14:23	11.77	11.7	53.1	7.14	650.2	2.73	3.76	128.4
G284	2/20/2024	14:26	11.77	11.7	53.1	7.13	653.4	2.51	2.87	128.4
G284	2/20/2024	14:20	11.77	11.7	53.1	7.15	646.1	3.03	5.28	128.4
G284	2/20/2024	14:23	11.77	11.7	53.1	7.14	650.2	2.73	3.76	128.4
G284	2/20/2024	14:26	11.77	11.7	53.1	7.13	653.4	2.51	2.87	128.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G285	2/20/2024	13:12	6.65	12.3	54.1	6.73	1,556.4	0.64	32.03	128.1
G285	2/20/2024	13:15	6.65	12.3	54.1	6.74	1,556.7	0.58	13.54	127.5
G285	2/20/2024	13:18	6.65	12.4	54.3	6.74	1,558.9	0.53	12.10	126.9
G285	2/20/2024	13:12	6.65	12.3	54.1	6.73	1,556.4	0.64	32.03	128.1
G285	2/20/2024	13:15	6.65	12.3	54.1	6.74	1,556.7	0.58	13.54	127.5
G285	2/20/2024	13:18	6.65	12.4	54.3	6.74	1,558.9	0.53	12.10	126.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301	2/19/2024	11:54	6.95	12.2	54.0	6.64	999.7	0.82	41.03	109.6
G301	2/19/2024	11:57	6.95	12.2	54.0	6.61	997.2	0.76	36.47	109.8
G301	2/19/2024	12:00	6.95	12.2	54.0	6.60	993.5	0.74	27.25	109.9
G301	2/19/2024	12:03	6.95	12.2	54.0	6.59	991.1	0.72	22.24	109.9
G301	2/19/2024	11:54	6.95	12.2	54.0	6.64	999.7	0.82	41.03	109.6
G301	2/19/2024	11:57	6.95	12.2	54.0	6.61	997.2	0.76	36.47	109.8
G301	2/19/2024	12:00	6.95	12.2	54.0	6.60	993.5	0.74	27.25	109.9
G301	2/19/2024	12:03	6.95	12.2	54.0	6.59	991.1	0.72	22.24	109.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G302	2/19/2024	13:15	9.55	12.4	54.3	6.70	1,381.0	1.87	230.63	6.0
G302	2/19/2024	13:18	9.55	12.4	54.3	6.68	1,368.2	1.78	146.43	11.8
G302	2/19/2024	13:21	9.55	12.4	54.3	6.67	1,364.8	1.67	96.96	17.2
G302	2/19/2024	13:24	9.55	12.5	54.5	6.67	1,367.7	1.71	76.08	21.6
G302	2/19/2024	13:27	9.55	12.5	54.5	6.66	1,371.4	1.64	69.26	25.0
G302	2/19/2024	13:15	9.55	12.4	54.3	6.70	1,381.0	1.87	230.63	6.0
G302	2/19/2024	13:18	9.55	12.4	54.3	6.68	1,368.2	1.78	146.43	11.8
G302	2/19/2024	13:21	9.55	12.4	54.3	6.67	1,364.8	1.67	96.96	17.2
G302	2/19/2024	13:24	9.55	12.5	54.5	6.67	1,367.7	1.71	76.08	21.6
G302	2/19/2024	13:27	9.55	12.5	54.5	6.66	1,371.4	1.64	69.26	25.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G303	2/14/2024	10:14	5.72	11.7	53.1	6.69	1,767.5	1.97	15.54	117.3
G303	2/14/2024	10:17	5.72	11.7	53.1	6.69	1,759.7	1.75	22.35	117.0
G303	2/14/2024	10:20	5.72	11.7	53.1	6.69	1,759.0	1.55	24.71	116.8
G303	2/14/2024	10:23	5.72	11.7	53.1	6.69	1,751.6	1.38	30.79	116.5
G303	2/14/2024	10:14	5.72	11.7	53.1	6.69	1,767.5	1.97	15.54	117.3
G303	2/14/2024	10:17	5.72	11.7	53.1	6.69	1,759.7	1.75	22.35	117.0
G303	2/14/2024	10:20	5.72	11.7	53.1	6.69	1,759.0	1.55	24.71	116.8
G303	2/14/2024	10:23	5.72	11.7	53.1	6.69	1,751.6	1.38	30.79	116.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G305	2/19/2024	14:47	6.66	13.1	55.6	7.20	1,438.6	1.17	38.86	97.9
G305	2/19/2024	14:50	6.66	13.1	55.6	7.18	1,437.6	0.84	26.42	97.0
G305	2/19/2024	14:53	6.66	13.2	55.8	7.17	1,439.3	0.71	20.30	96.3
G305	2/19/2024	14:56	6.66	13.1	55.6	7.16	1,443.0	0.64	23.73	95.6
G305	2/19/2024	14:47	6.66	13.1	55.6	7.20	1,438.6	1.17	38.86	97.9
G305	2/19/2024	14:50	6.66	13.1	55.6	7.18	1,437.6	0.84	26.42	97.0
G305	2/19/2024	14:53	6.66	13.2	55.8	7.17	1,439.3	0.71	20.30	96.3
G305	2/19/2024	14:56	6.66	13.1	55.6	7.16	1,443.0	0.64	23.73	95.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G306	2/14/2024	11:11	6.78	12.5	54.5	6.66	690.4	5.39	34.66	129.9
G306	2/14/2024	11:14	6.78	12.6	54.7	6.62	694.8	5.01	25.39	131.2
G306	2/14/2024	11:17	6.78	12.6	54.7	6.59	698.4	4.60	20.88	132.2
G306	2/14/2024	11:20	6.78	12.8	55.0	6.54	697.7	4.12	20.39	133.2
G306	2/14/2024	11:23	6.78	12.7	54.9	6.49	692.9	3.66	20.80	134.2
G306	2/14/2024	11:26	6.78	12.8	55.0	6.44	683.4	3.24	22.68	135.2
G306	2/14/2024	11:29	6.78	12.8	55.0	6.40	676.3	2.91	26.57	136.0
G306	2/14/2024	11:32	6.78	12.8	55.0	6.37	670.6	2.65	27.82	136.6
G306	2/14/2024	11:35	6.78	12.9	55.2	6.34	663.0	2.42	30.08	137.2
G306	2/14/2024	11:11	6.78	12.5	54.5	6.66	690.4	5.39	34.66	129.9
G306	2/14/2024	11:14	6.78	12.6	54.7	6.62	694.8	5.01	25.39	131.2
G306	2/14/2024	11:17	6.78	12.6	54.7	6.59	698.4	4.60	20.88	132.2
G306	2/14/2024	11:20	6.78	12.8	55.0	6.54	697.7	4.12	20.39	133.2
G306	2/14/2024	11:23	6.78	12.7	54.9	6.49	692.9	3.66	20.80	134.2
G306	2/14/2024	11:26	6.78	12.8	55.0	6.44	683.4	3.24	22.68	135.2
G306	2/14/2024	11:29	6.78	12.8	55.0	6.40	676.3	2.91	26.57	136.0
G306	2/14/2024	11:32	6.78	12.8	55.0	6.37	670.6	2.65	27.82	136.6
G306	2/14/2024	11:35	6.78	12.9	55.2	6.34	663.0	2.42	30.08	137.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307	2/14/2024	14:46	0.05	14.7	58.5	6.93	1,046.9	1.28	339.87	99.3
G307	2/14/2024	14:49	0.05	14.8	58.6	6.93	1,048.2	1.23	335.02	99.2
G307	2/14/2024	14:52	0.05	14.8	58.6	6.93	1,047.0	1.17	303.02	99.0
G307	2/14/2024	14:55	0.05	14.8	58.6	6.93	1,046.9	1.12	280.82	98.8
G307	2/14/2024	14:58	0.05	14.8	58.6	6.93	1,046.5	1.09	256.42	98.6
G307	2/14/2024	14:46	0.05	14.7	58.5	6.93	1,046.9	1.28	339.87	99.3
G307	2/14/2024	14:49	0.05	14.8	58.6	6.93	1,048.2	1.23	335.02	99.2
G307	2/14/2024	14:52	0.05	14.8	58.6	6.93	1,047.0	1.17	303.02	99.0
G307	2/14/2024	14:55	0.05	14.8	58.6	6.93	1,046.9	1.12	280.82	98.8
G307	2/14/2024	14:58	0.05	14.8	58.6	6.93	1,046.5	1.09	256.42	98.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307D	2/14/2024	13:21	5.04	13.9	57.0	7.09	1,238.1	0.73	41.40	5.1
G307D	2/14/2024	13:24	5.04	14.0	57.2	7.08	1,239.0	0.63	31.68	-2.1
G307D	2/14/2024	13:27	5.04	14.0	57.2	7.09	1,225.6	1.11	32.67	-1.0
G307D	2/14/2024	13:30	5.04	14.1	57.4	7.08	1,214.3	1.77	35.03	8.2
G307D	2/14/2024	13:33	5.04	14.2	57.6	7.08	1,209.1	2.17	22.07	17.0
G307D	2/14/2024	13:36	5.04	14.3	57.7	7.07	1,207.5	2.35	19.15	23.1
G307D	2/14/2024	13:39	5.04	14.2	57.6	7.07	1,212.3	2.44	17.09	27.4
G307D	2/14/2024	13:42	5.04	14.1	57.4	7.07	1,207.3	2.50	16.04	30.5
G307D	2/14/2024	13:21	5.04	13.9	57.0	7.09	1,238.1	0.73	41.40	5.1
G307D	2/14/2024	13:24	5.04	14.0	57.2	7.08	1,239.0	0.63	31.68	-2.1
G307D	2/14/2024	13:27	5.04	14.0	57.2	7.09	1,225.6	1.11	32.67	-1.0
G307D	2/14/2024	13:30	5.04	14.1	57.4	7.08	1,214.3	1.77	35.03	8.2
G307D	2/14/2024	13:33	5.04	14.2	57.6	7.08	1,209.1	2.17	22.07	17.0
G307D	2/14/2024	13:36	5.04	14.3	57.7	7.07	1,207.5	2.35	19.15	23.1
G307D	2/14/2024	13:39	5.04	14.2	57.6	7.07	1,212.3	2.44	17.09	27.4
G307D	2/14/2024	13:42	5.04	14.1	57.4	7.07	1,207.3	2.50	16.04	30.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G308	2/16/2024	9:55	4.79	11.1	52.0	7.08	1,525.5	0.87	12.05	120.1
G308	2/16/2024	9:58	4.79	11.1	52.0	7.08	1,532.2	0.70	10.49	119.9
G308	2/16/2024	10:01	4.79	11.2	52.2	7.08	1,533.8	0.62	8.39	119.6
G308	2/16/2024	10:04	4.79	11.3	52.3	7.08	1,533.1	0.56	6.78	119.4
G308	2/16/2024	9:55	4.79	11.1	52.0	7.08	1,525.5	0.87	12.05	120.1
G308	2/16/2024	9:58	4.79	11.1	52.0	7.08	1,532.2	0.70	10.49	119.9
G308	2/16/2024	10:01	4.79	11.2	52.2	7.08	1,533.8	0.62	8.39	119.6
G308	2/16/2024	10:04	4.79	11.3	52.3	7.08	1,533.1	0.56	6.78	119.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G310	2/19/2024	11:15	8.78	12.6	54.7	7.09	1,136.7	0.66	4.13	93.4
G310	2/19/2024	11:18	8.78	12.6	54.7	7.08	1,137.9	0.60	3.29	93.4
G310	2/19/2024	11:21	8.78	12.6	54.7	7.07	1,139.8	0.55	2.44	93.4
G310	2/19/2024	11:24	8.78	12.7	54.9	7.07	1,141.7	0.52	2.32	93.4
G310	2/19/2024	11:15	8.78	12.6	54.7	7.09	1,136.7	0.66	4.13	93.4
G310	2/19/2024	11:18	8.78	12.6	54.7	7.08	1,137.9	0.60	3.29	93.4
G310	2/19/2024	11:21	8.78	12.6	54.7	7.07	1,139.8	0.55	2.44	93.4
G310	2/19/2024	11:24	8.78	12.7	54.9	7.07	1,141.7	0.52	2.32	93.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G312	2/19/2024	14:02	11.95	12.5	54.5	6.38	1,193.1	1.47	3.56	78.9
G312	2/19/2024	14:05	11.95	12.6	54.7	6.35	1,269.5	1.27	2.78	80.3
G312	2/19/2024	14:08	11.95	12.6	54.7	6.33	1,361.5	1.20	3.07	82.3
G312	2/19/2024	14:11	11.95	12.6	54.7	6.33	1,454.0	1.15	3.37	83.9
G312	2/19/2024	14:02	11.95	12.5	54.5	6.38	1,193.1	1.47	3.56	78.9
G312	2/19/2024	14:05	11.95	12.6	54.7	6.35	1,269.5	1.27	2.78	80.3
G312	2/19/2024	14:08	11.95	12.6	54.7	6.33	1,361.5	1.20	3.07	82.3
G312	2/19/2024	14:11	11.95	12.6	54.7	6.33	1,454.0	1.15	3.37	83.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G313	2/13/2024	14:10	3.71	12.3	54.1	6.78	1,621.3	0.39	23.16	94.0
G313	2/13/2024	14:13	3.71	12.3	54.1	6.78	1,624.5	0.37	26.06	93.0
G313	2/13/2024	14:16	3.71	12.2	54.0	6.78	1,625.1	0.36	31.60	92.1
G313	2/13/2024	14:19	3.71	12.2	54.0	6.78	1,625.5	0.34	33.28	91.4
G313	2/13/2024	14:10	3.71	12.3	54.1	6.78	1,621.3	0.39	23.16	94.0
G313	2/13/2024	14:13	3.71	12.3	54.1	6.78	1,624.5	0.37	26.06	93.0
G313	2/13/2024	14:16	3.71	12.2	54.0	6.78	1,625.1	0.36	31.60	92.1
G313	2/13/2024	14:19	3.71	12.2	54.0	6.78	1,625.5	0.34	33.28	91.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314	2/13/2024	13:02	6.70	11.9	53.4	6.56	2,981.7	0.69	49.58	12.6
G314	2/13/2024	13:05	6.70	11.8	53.2	6.56	2,974.7	0.60	103.37	8.2
G314	2/13/2024	13:08	6.70	11.8	53.2	6.56	2,974.7	0.56	69.19	5.9
G314	2/13/2024	13:11	6.70	11.8	53.2	6.56	2,975.1	0.54	116.64	4.9
G314	2/13/2024	13:02	6.70	11.9	53.4	6.56	2,981.7	0.69	49.58	12.6
G314	2/13/2024	13:05	6.70	11.8	53.2	6.56	2,974.7	0.60	103.37	8.2
G314	2/13/2024	13:08	6.70	11.8	53.2	6.56	2,974.7	0.56	69.19	5.9
G314	2/13/2024	13:11	6.70	11.8	53.2	6.56	2,975.1	0.54	116.64	4.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314D	2/13/2024	12:08	6.15	12.2	54.0	6.82	2,460.9	0.61	61.66	25.2
G314D	2/13/2024	12:11	6.15	12.4	54.3	6.81	2,484.4	0.51	61.63	7.9
G314D	2/13/2024	12:14	6.15	12.5	54.5	6.81	2,510.3	0.46	32.06	-3.1
G314D	2/13/2024	12:17	6.15	12.4	54.3	6.80	2,518.9	0.43	84.05	-10.3
G314D	2/13/2024	12:20	6.15	12.5	54.5	6.80	2,524.5	0.40	115.06	-15.6
G314D	2/13/2024	12:08	6.15	12.2	54.0	6.82	2,460.9	0.61	61.66	25.2
G314D	2/13/2024	12:11	6.15	12.4	54.3	6.81	2,484.4	0.51	61.63	7.9
G314D	2/13/2024	12:14	6.15	12.5	54.5	6.81	2,510.3	0.46	32.06	-3.1
G314D	2/13/2024	12:17	6.15	12.4	54.3	6.80	2,518.9	0.43	84.05	-10.3
G314D	2/13/2024	12:20	6.15	12.5	54.5	6.80	2,524.5	0.40	115.06	-15.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G315	2/14/2024	12:36	2.40	11.7	53.1	6.71	1,162.1	0.85	6.55	154.4
G315	2/14/2024	12:39	2.40	11.8	53.2	6.70	1,160.3	0.73	5.16	154.0
G315	2/14/2024	12:42	2.40	11.8	53.2	6.69	1,160.0	0.66	3.73	153.6
G315	2/14/2024	12:45	2.40	11.8	53.2	6.69	1,161.3	0.62	3.06	153.2
G315	2/14/2024	12:36	2.40	11.7	53.1	6.71	1,162.1	0.85	6.55	154.4
G315	2/14/2024	12:39	2.40	11.8	53.2	6.70	1,160.3	0.73	5.16	154.0
G315	2/14/2024	12:42	2.40	11.8	53.2	6.69	1,160.0	0.66	3.73	153.6
G315	2/14/2024	12:45	2.40	11.8	53.2	6.69	1,161.3	0.62	3.06	153.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G316	2/13/2024	11:22	11.91	10.8	51.4	6.86	1,716.8	1.06	2.93	-51.1
G316	2/13/2024	11:25	11.91	10.8	51.4	6.87	1,727.6	0.88	1.81	-58.3
G316	2/13/2024	11:28	11.91	10.9	51.6	6.87	1,734.0	0.78	1.23	-63.8
G316	2/13/2024	11:31	11.91	10.9	51.6	6.87	1,742.0	0.68	1.21	-68.4
G316	2/13/2024	11:22	11.91	10.8	51.4	6.86	1,716.8	1.06	2.93	-51.1
G316	2/13/2024	11:25	11.91	10.8	51.4	6.87	1,727.6	0.88	1.81	-58.3
G316	2/13/2024	11:28	11.91	10.9	51.6	6.87	1,734.0	0.78	1.23	-63.8
G316	2/13/2024	11:31	11.91	10.9	51.6	6.87	1,742.0	0.68	1.21	-68.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G401	2/21/2024	12:37	21.96	16.0	60.8	5.45	2,975.6	2.95	119.74	194.6
G401	2/21/2024	12:40	21.96	15.9	60.6	5.59	2,987.4	2.01	63.36	186.4
G401	2/21/2024	12:43	21.96	15.9	60.6	5.65	2,987.4	1.62	23.61	181.2
G401	2/21/2024	12:46	21.96	15.8	60.4	5.68	2,985.8	1.38	9.98	177.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G402	2/21/2024	13:35	9.81	14.0	57.2	6.68	1,713.5	3.28	35.88	145.6
G402	2/21/2024	13:38	9.81	13.9	57.0	6.71	1,712.5	3.34	30.30	146.4
G402	2/21/2024	13:41	9.81	13.9	57.0	6.73	1,710.7	3.64	28.79	146.8
G402	2/21/2024	13:44	9.81	13.9	57.0	6.75	1,711.6	4.12	29.32	147.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G403	2/21/2024	11:37	6.41	13.3	55.9	6.92	739.2	3.02	21.68	144.2
G403	2/21/2024	11:40	6.41	13.3	55.9	6.89	738.2	2.74	11.56	145.5
G403	2/21/2024	11:43	6.41	13.3	55.9	6.88	738.3	2.57	7.53	146.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G404	2/21/2024	10:31	4.30	11.5	52.7	6.84	1,840.3	3.87	17.06	153.1
G404	2/21/2024	10:34	4.30	11.4	52.5	6.82	1,443.7	3.11	9.21	151.9
G404	2/21/2024	10:37	4.30	11.2	52.2	6.84	1,262.6	3.13	5.14	151.4

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G405	2/21/2024	10:57	6.30	12.1	53.8	7.12	1,862.6	5.57	25.43	145.6
G405	2/21/2024	11:00	6.30	12.4	54.3	6.97	1,845.0	4.31	24.64	149.2
G405	2/21/2024	11:03	6.30	12.4	54.3	6.90	1,950.9	3.61	13.09	151.4
G405	2/21/2024	11:06	6.30	12.6	54.7	6.87	1,996.4	3.12	10.95	152.3
G405	2/21/2024	11:09	6.30	12.5	54.5	6.85	2,026.2	2.81	8.87	152.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G406	2/21/2024	12:05	12.13	15.3	59.5	6.70	1,407.9	4.69	2.48	154.0
G406	2/21/2024	12:08	12.13	15.3	59.5	6.60	1,420.4	3.35	1.20	157.0
G406	2/21/2024	12:11	12.13	15.2	59.4	6.58	1,417.7	2.87	0.71	158.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G407	2/20/2024	10:06	6.10	12.9	55.2	6.80	1,854.8	3.89	6.35	140.4
G407	2/20/2024	10:09	6.10	13.0	55.4	6.79	1,855.6	3.75	6.41	140.6
G407	2/20/2024	10:12	6.10	13.0	55.4	6.79	1,851.5	3.63	6.77	140.9
G407	2/20/2024	10:15	6.10	13.0	55.4	6.78	1,849.5	3.48	6.85	141.3
G407	2/20/2024	10:06	6.10	12.9	55.2	6.80	1,854.8	3.89	6.35	140.4
G407	2/20/2024	10:09	6.10	13.0	55.4	6.79	1,855.6	3.75	6.41	140.6
G407	2/20/2024	10:12	6.10	13.0	55.4	6.79	1,851.5	3.63	6.77	140.9
G407	2/20/2024	10:15	6.10	13.0	55.4	6.78	1,849.5	3.48	6.85	141.3

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G410	2/20/2024	11:06	8.75	11.8	53.2	6.50	939.2	3.64	7.26	134.0
G410	2/20/2024	11:09	8.75	11.9	53.4	6.48	944.7	3.23	4.71	129.6
G410	2/20/2024	11:12	8.75	11.9	53.4	6.47	951.2	2.86	3.09	125.6
G410	2/20/2024	11:15	8.75	11.9	53.4	6.46	957.1	2.19	1.72	121.9
G410	2/20/2024	11:18	8.75	12.0	53.6	6.46	957.3	1.79	1.46	118.6
G410	2/20/2024	11:06	8.75	11.8	53.2	6.50	939.2	3.64	7.26	134.0
G410	2/20/2024	11:09	8.75	11.9	53.4	6.48	944.7	3.23	4.71	129.6
G410	2/20/2024	11:12	8.75	11.9	53.4	6.47	951.2	2.86	3.09	125.6
G410	2/20/2024	11:15	8.75	11.9	53.4	6.46	957.1	2.19	1.72	121.9
G410	2/20/2024	11:18	8.75	12.0	53.6	6.46	957.3	1.79	1.46	118.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G411	2/20/2024	12:04	7.54	12.4	54.3	7.26	737.7	2.92	5.08	118.7
G411	2/20/2024	12:07	7.54	12.5	54.5	7.25	737.6	2.60	5.56	118.7
G411	2/20/2024	12:10	7.54	12.5	54.5	7.25	740.8	2.42	5.91	118.8
G411	2/20/2024	12:13	7.54	12.5	54.5	7.25	742.1	2.18	6.15	118.8
G411	2/20/2024	12:04	7.54	12.4	54.3	7.26	737.7	2.92	5.08	118.7
G411	2/20/2024	12:07	7.54	12.5	54.5	7.25	737.6	2.60	5.56	118.7
G411	2/20/2024	12:10	7.54	12.5	54.5	7.25	740.8	2.42	5.91	118.8
G411	2/20/2024	12:13	7.54	12.5	54.5	7.25	742.1	2.18	6.15	118.8

Site Sampling Event: Coffeen 1Q24**Groundwater Sampling Form- Groundwater Quality Parameters****LIMS Workorder:** 24020001**Coffeen- 1Q 2024****Technician(s):** DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L201	2/22/2024	9:56	2.10	16.0	60.8	11.54	6,499.0	7.07	4.64	-38.6

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	2/22/2024	9:50	2.21	18.2	64.8	11.53	15,607.5	6.09	8.56	-33.6

Site Sampling Event: Coffeen 1Q24**Groundwater Sampling Form- Groundwater Quality Parameters****LIMS Workorder:** 24020001**Coffeen- 1Q 2024****Technician(s):** DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L203	2/22/2024	10:04	2.06	18.6	65.5	11.75	7,304.8	4.39	4.23	-46.2

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
NE Riser	2/21/2024	14:19	7.02	12.4	54.3	6.64	17,268.3	6.29	2.43	191.1
NE Riser	2/21/2024	14:22	7.02	12.2	54.0	6.39	17,419.5	3.65	2.04	189.1
NE Riser	2/21/2024	14:25	7.02	12.2	54.0	6.54	17,574.9	2.52	1.94	181.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R104	2/14/2024	12:29	8.65	13.2	55.8	7.50	832.9	6.74	9.04	139.7
R104	2/14/2024	12:32	8.65	13.0	55.4	7.46	831.5	6.27	7.03	140.3
R104	2/14/2024	12:35	8.65	12.9	55.2	7.44	830.9	6.08	5.86	140.6
R104	2/14/2024	12:38	8.65	12.9	55.2	7.43	830.1	5.98	5.26	140.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201	2/20/2024	13:53	4.06	13.9	57.0	7.10	930.3	3.20	48.64	143.8
R201	2/20/2024	13:56	4.06	13.8	56.8	7.03	924.0	2.47	31.40	145.5
R201	2/20/2024	13:59	4.06	13.8	56.8	7.01	941.8	2.06	18.87	146.3
R201	2/20/2024	14:02	4.06	13.9	57.0	7.00	962.3	1.76	16.66	146.8
R201	2/20/2024	14:05	4.06	13.9	57.0	7.00	971.2	1.57	14.47	147.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R205	2/14/2024	9:10	6.71	11.8	53.2	6.43	1,433.2	2.00	20.73	177.5
R205	2/14/2024	9:13	6.71	11.9	53.4	6.46	1,430.5	1.77	18.46	175.1
R205	2/14/2024	9:16	6.71	11.9	53.4	6.49	1,429.0	1.60	16.79	173.1
R205	2/14/2024	9:19	6.71	12.1	53.8	6.51	1,428.8	1.48	13.86	171.5
R205	2/14/2024	9:22	6.71	12.4	54.3	6.52	1,429.5	1.42	14.07	170.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	2/12/2024	15:01	7.22							
							DTW Only			

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-03	2/12/2024	11:43	8.44							
							DTW Only			

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T127	2/20/2024	12:37	14.63	14.3	57.7	7.08	837.3	3.30	78.61	150.0
T127	2/20/2024	12:40	14.63	14.3	57.7	7.08	837.1	3.24	71.55	149.8
T127	2/20/2024	12:43	14.63	14.4	57.9	7.08	836.7	3.16	69.22	149.6
T127	2/20/2024	12:46	14.63	14.4	57.9	7.07	836.1	3.08	63.83	149.5
T127	2/20/2024	12:49	14.63	14.4	57.9	7.07	835.9	3.00	60.11	149.3
T127	2/20/2024	12:52	14.63	14.4	57.9	7.07	835.7	2.92	56.73	149.1
T127	2/20/2024	12:55	14.63	14.4	57.9	7.07	834.7	2.87	53.56	149.0
T127	2/20/2024	12:58	14.63	14.3	57.7	7.07	835.2	2.81	49.63	148.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T128	2/15/2024	9:23	14.67	13.3	55.9	6.88	784.5	5.69	1.52	167.9
T128	2/15/2024	9:26	14.67	13.5	56.3	6.85	793.3	4.46	0.94	166.8
T128	2/15/2024	9:29	14.67	13.6	56.5	6.84	793.6	3.99	0.82	165.5

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
X201	2/20/2024	8:47	27.91	3.6	38.5	4.43	19,872.2	10.58	5.96	244.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	2/19/2024	10:39	5.32	14.1	57.4	7.81	1,031.0	0.82	23.25	81.7
XPW01	2/19/2024	10:42	5.32	14.2	57.6	7.84	1,022.3	0.69	17.26	78.5
XPW01	2/19/2024	10:45	5.32	14.3	57.7	7.85	1,018.2	0.62	15.11	75.8
XPW01	2/19/2024	10:48	5.32	14.3	57.7	7.86	1,014.2	0.56	11.22	72.9
XPW01	2/19/2024	10:39	5.32	14.1	57.4	7.81	1,031.0	0.82	23.25	81.7
XPW01	2/19/2024	10:42	5.32	14.2	57.6	7.84	1,022.3	0.69	17.26	78.5
XPW01	2/19/2024	10:45	5.32	14.3	57.7	7.85	1,018.2	0.62	15.11	75.8
XPW01	2/19/2024	10:48	5.32	14.3	57.7	7.86	1,014.2	0.56	11.22	72.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02	2/16/2024	10:36	10.40	16.5	61.7	7.66	651.5	0.79	24.84	-69.6
XPW02	2/16/2024	10:39	10.40	16.5	61.7	7.68	660.7	0.61	12.64	-114.4
XPW02	2/16/2024	10:42	10.40	16.4	61.5	7.69	662.7	0.52	6.25	-133.8
XPW02	2/16/2024	10:45	10.40	16.5	61.7	7.70	667.7	0.48	4.05	-146.8
XPW02	2/16/2024	10:36	10.40	16.5	61.7	7.66	651.5	0.79	24.84	-69.6
XPW02	2/16/2024	10:39	10.40	16.5	61.7	7.68	660.7	0.61	12.64	-114.4
XPW02	2/16/2024	10:42	10.40	16.4	61.5	7.69	662.7	0.52	6.25	-133.8
XPW02	2/16/2024	10:45	10.40	16.5	61.7	7.70	667.7	0.48	4.05	-146.8

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	2/12/2024	15:10	6.72							
							DTW Only			

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	2/21/2024	15:03	QA/QC Sample							

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102 Duplicate	2/14/2024	11:04	8.81	13.0	55.4	7.23	1,114.6	3.03	21.02	150.6
G102 Duplicate	2/14/2024	11:07	8.81	12.9	55.2	7.18	1,100.9	2.30	13.22	150.7
G102 Duplicate	2/14/2024	11:10	8.81	12.8	55.0	7.16	1,071.4	2.08	12.46	149.8
G102 Duplicate	2/14/2024	11:13	8.81	12.7	54.9	7.17	980.2	2.40	8.69	148.7

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200 Duplicate	2/21/2024	8:51	5.62	10.8	51.4	5.88	873.9	8.11	239.67	177.3
G200 Duplicate	2/21/2024	8:54	5.62	11.3	52.3	6.33	872.9	4.83	67.64	176.5
G200 Duplicate	2/21/2024	8:57	5.62	11.5	52.7	6.51	866.6	3.60	31.43	175.1
G200 Duplicate	2/21/2024	9:00	5.62	11.6	52.9	6.62	862.6	2.87	15.60	173.0
G200 Duplicate	2/21/2024	9:03	5.62	11.8	53.2	6.69	861.9	2.45	10.96	170.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273 Duplicate	2/19/2024	13:12	10.95	13.5	56.3	7.06	1,661.5	2.83	27.92	147.7
G273 Duplicate	2/19/2024	13:15	10.95	13.5	56.3	7.01	1,675.5	2.11	14.56	149.8
G273 Duplicate	2/19/2024	13:18	10.95	13.6	56.5	6.99	1,680.5	1.76	9.78	151.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301 Duplicate	2/19/2024	11:54	6.95	12.2	54.0	6.64	999.7	0.82	41.03	109.6
G301 Duplicate	2/19/2024	11:57	6.95	12.2	54.0	6.61	997.2	0.76	36.47	109.8
G301 Duplicate	2/19/2024	12:00	6.95	12.2	54.0	6.60	993.5	0.74	27.25	109.9
G301 Duplicate	2/19/2024	12:03	6.95	12.2	54.0	6.59	991.1	0.72	22.24	109.9

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201 Duplicate	2/20/2024	13:53	4.06	13.9	57.0	7.10	930.3	3.20	48.64	143.8
R201 Duplicate	2/20/2024	13:56	4.06	13.8	56.8	7.03	924.0	2.47	31.40	145.5
R201 Duplicate	2/20/2024	13:59	4.06	13.8	56.8	7.01	941.8	2.06	18.87	146.3
R201 Duplicate	2/20/2024	14:02	4.06	13.9	57.0	7.00	962.3	1.76	16.66	146.8
R201 Duplicate	2/20/2024	14:05	4.06	13.9	57.0	7.00	971.2	1.57	14.47	147.0

Site Sampling Event: Coffeen 1Q24

Groundwater Sampling Form- Groundwater Quality Parameters

LIMS Workorder: 24020001

Coffeen- 1Q 2024

Technician(s): DC, JC, TC, BG

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	2/21/2024	14:58	QA/QC Sample							

Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, DC

Field Calibration Log(s)

Coffeen- 1Q 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 45720 Technician(s): justin colp Date: 2/13/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	2/13/24 9:09
7.0 Buffer	wc230616f	7.00	2/13/24 9:07
10.0 Buffer	wc231027d	10.01	2/13/24 9:19
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/13/24 9:19

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.87	2/13/24 9:19
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/13/24 9:20	14.7	7.00	1,415	1.9			
CCV (Midday)	2/13/24 11:56	15.1	7.00	1,419	0.98			
ccv	2/13/24 14:44	16.5	7.02	1,421	2.03			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/14/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	2/14/24 8:40
7.0 Buffer	wc230616f	7.00	2/14/24 8:36
10.0 Buffer	wc231027d	10.01	2/14/24 8:43
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/14/24 8:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	2.06	2/14/24 8:48
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/14/24 8:53	14.9	7.01	1,414	2.06			
CCV (Midday)	2/14/24 11:29	16	7.01	1,420	2.06			
ccv	2/14/24 15:08	16.3	7.02	1,423	2.08			



Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, DC

Field Calibration Log(s)

Coffeen- 1Q 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 45720 Technician(s): justin colp Date: 2/15/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/15/24 8:40
7.0 Buffer	wc230616f	7.01	2/15/24 8:37
10.0 Buffer	wc231027d	9.99	2/15/24 8:42
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/15/24 8:45

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.86	2/15/24 8:47
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/15/24 8:49	13.6	7.01	1,412	0.87			
CCV (Midday)	2/15/24 12:02	14.6	7.01	1,415	0.88			
ccv	2/15/24 14:30	17.7	7.03	1,427	0.94			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/16/24 9:05
7.0 Buffer	wc230616f	7.01	2/16/24 9:02
10.0 Buffer	wc231027d	10.00	2/16/24 9:08
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/16/24 9:10

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.92	2/16/24 9:12
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/16/24 9:17	10.6	7.01	1,415	0.92			
ccv	2/16/24 10:41	14.6	7.01	1,418	0.95			



Site Sampling Event: Coffeen 1Q24
 LIMS Workorder: 24020001
 Technician(s): DC, JC, TC, DC

Field Calibration Log(s)
 Coffeen- 1Q 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 45720 Technician(s): justin colp Date: 2/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	2/19/24 8:42
7.0 Buffer	wc230616f	7.00	2/19/24 8:39
10.0 Buffer	wc231027d	10.01	2/19/24 8:45
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/19/24 8:49

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.23	2/19/24 8:51
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/19/24 8:54	12.5	7.01	1,415	1.23			
CCV (Midday)	2/19/24 12:24	14.3	7.01	1,418	1.26			
ccv	2/19/24 14:54	17.2	7.02	1,420	1.26			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/20/24 8:31
7.0 Buffer	wc230616f	7.01	2/20/24 8:28
10.0 Buffer	wc231027d	9.99	2/20/24 8:34
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1414	2/20/24 8:37

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.92	
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/20/24 8:42	11.3	7.01	1,418	0.92			
CCV (Midday)	2/20/24 11:33	13	7.00	1,422	0.91			
ccv	2/20/24 15:07	17.6	7.03	1,426	0.99			

Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, DC

Field Calibration Log(s)

Coffeen- 1Q 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 45720 Technician(s): justin colp Date: 2/21/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	2/21/24 8:36
7.0 Buffer	wc230616f	7.00	2/21/24 8:33
10.0 Buffer	wc231027d	9.99	2/21/24 8:38
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/21/24 8:42

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.9	2/21/24 8:44
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/21/24 8:46	14.4	7.01	1,415	0.91			
CCV (Midday)	2/21/24 12:21	18.7	7.01	1,416	0.91			
ccv	2/21/24 15:05	20.2	7.03	1,419	0.94			

Field Meter ID: Pine 45720 Technician(s): justin colp Date: 2/22/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	2/22/24 9:35
7.0 Buffer	wc230616f	7.02	2/22/24 9:35
10.0 Buffer	wc231027d	9.99	2/22/24 9:36
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1416	2/22/24 9:36

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.98	2/22/24 9:36
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/22/24 9:36	14.6	7.02	1,419	0.98			
ccv	2/22/24 10:13	15.9	7.02	1,420	0.98			

Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, DC

Field Calibration Log(s)

Coffeen- 1Q 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 45600 Technician(s): Tracy Carroll Date: 2/13/2023

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/13/24 10:34
7.0 Buffer	WC230616F	7.00	2/13/24 10:39
10.0 Buffer	WC231027D	10.00	2/13/24 10:42
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/13/24 10:47

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.06	2/13/24 10:56
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/13/24 10:54	11.9	7.08	1,413	0.07			
ccv	2/13/24 15:12	15.6	7.09	1,447	0.38			

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/ Danny Crump Date: 2/14/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/14/24 9:41
7.0 Buffer	WC230616F	7.00	2/14/24 9:43
10.0 Buffer	WC231027D	10.00	2/14/24 9:46
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/14/24 9:49

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.14	2/14/24 9:51
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/14/24 9:53	8.9	7.03	1,410	0.07			
CCV (Midday)	2/14/24 11:06	14.5	7.01	1,403	0.22			
ccv	2/14/24 15:07	16.6	7.00	1,399	0.31			

Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, DC

Field Calibration Log(s)

Coffeen- 1Q 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 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/15/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/15/24 10:08
7.0 Buffer	WC230616F	7.00	2/15/24 10:09
10.0 Buffer	WC231027D	10.00	2/15/24 10:11
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/15/24 10:12

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.33	2/15/24 10:13
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/15/24 10:16	13.0	7.03	1,413	0.33			
ccv	2/15/24 14:21	16.2	7.03	1,333	0.25			

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/16/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/16/24 9:27
7.0 Buffer	WC230616F	7.00	2/16/24 9:27
10.0 Buffer	WC231027D	10.00	2/16/24 9:28
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/16/24 9:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	2/16/24 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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/16/24 9:31	8.9	7.09	1,410	0.49			
CCV (Midday)	2/16/24 11:50	10.6	7.07	1,406	0.51			
ccv	2/16/24 14:34	11.8	7.08	1,397	0.59			



Site Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, DC

Field Calibration Log(s)

Coffeen- 1Q 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 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/19/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/19/24 10:06
7.0 Buffer	WC230616F	7.00	2/19/24 10:08
10.0 Buffer	WC231027D	10.00	2/19/24 10:11
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/19/24 10:12

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.77	2/19/24 10:14
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/19/24 10:28	1.6	7.09	1,410	1.77			
ccv	2/19/24 15:29	10.1	7.09	1,312	0.84			

Field Meter ID: Pine 45600 Technician(s): Tracy Carroll/Danny Crump Date: 2/20/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	2/20/24 9:18
7.0 Buffer	WC230616F	7.00	2/20/24 9:20
10.0 Buffer	WC231027D	10.00	2/20/24 9:21
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	2/20/24 9:24

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.8	2/20/24 9:26
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	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %	Comments
LCS	2/20/24 9:29	6.2	7.08	1,408	0.8			
CCV (Midday)	2/20/24 12:51	12.7	7.01	1,396	0.53			
ccv	2/20/24 16:49	16.2	7.08	1,328	0.41			





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 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

Manufacturer YSI	State Certified
Model Number Pro DSS	Status Pass
Serial Number/ Lot Number 19D104679	Temp °C 22.2
Location St. Louis	Humidity % 43
Department	

Calibration Specifications

<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>
Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
7.00 / 7.00	PH	7.00	PH	7.07	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.09	10.00	0.00%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
0.0 / 0.0	NTU	0.0	NTU	-1.6	0.0	0.00%	Pass
124.0 / 124.0	NTU	124.0	NTU	120.0	124.0	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			
1.413 / 1.413	ms/cm	1.413	ms/cm	1.441	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			
240.0 / 240.0	mv	240.0	mv	252.1	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>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 45600
Description YSI Pro DSS
Calibrated 12/26/2023 5:10:39PM

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>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.0 / 100.0	%	100.0	%	97.1	100.0	0.00%	Pass

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

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 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Manufacturer YSI	State Certified
Model Number Pro DSS	Status Pass
Serial Number/ Lot Number 19E101794	Temp °C 22.2
Location St. Louis	Humidity % 43
Department	

Calibration Specifications

<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>
Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
7.00 / 7.00	PH	7.00	PH	7.21	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.94	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.15	10.00	0.00%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
0.00 / 0.00	NTU	0.00	NTU	0.03	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	122.65	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			
1.413 / 1.413	ms/cm	1.413	ms/cm	1.391	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 0.00			
240.00 / 240.00	mv	240.00	mv	272.80	240.00	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 0.00			
<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 45720
Description YSI Pro DSS
Calibrated 12/26/2023 5:12:31PM

Group # 5		Range Acc % 0.0000	
Group Name Dissolved Oxygen Span		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>
100.00 / 100.00	%	100.00	%
		<u>End As</u>	<u>Lft As</u>
		97.30	100.00
		<u>Dev%</u>	<u>Pass/Fail</u>
		0.00%	Pass

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
STL 126 NTU L#23E24002133	STL 126 NTU L#23E24002133	YSI	126 NTU	23E24002133		5/20/2024
STL 1413 COND L#3GF1521	STL 1413 COND L#3GF1521	AquaPhoenix Scientific	31986	3GF1521		5/20/2024
STL ORP SOLUTION 240MV L#3GJ0094	STL ORP SOLUTION 240MV L#3GJ0094	AquaPhoenix Scientific	ORP Solution	3GJ0094		7/25/2024
STL PH10 #3GF1088	STL PH10 #3GF1088	AquaPhoenix Scientific	PH 10	3GF1088		6/25/2025
STL PH4 L#3GG0025	STL pH4 L#3GG0025	AquaPhoenix Scientific	pH 4	3GG0025		7/25/2025
STL PH7 L#3GK1332	STL PH7 L#3GK1332	AquaPhoenix Scientific	PH7	3GK1332		11/25/2025

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

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

**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 1, 2024**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G301	UA	E004	Antimony, total	mg/L	11/20/15 - 02/19/24	18	94	CB around T-S line	0.00209	0.003
G301	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/19/24	23	65	CI around median	0.001	0.00430
G301	UA	E004	Barium, total	mg/L	11/20/15 - 02/19/24	23	0	CB around T-S line	-0.0115	0.120
G301	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.001
G301	UA	E004	Boron, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	2.16	3.20
G301	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/19/24	23	96	CI around median	0.001	0.001
G301	UA	E004	Chloride, total	mg/L	11/20/15 - 02/19/24	24	0	CB around T-S line	6.9	120
G301	UA	E004	Chromium, total	mg/L	11/20/15 - 02/19/24	23	61	CB around T-S line	0.000936	0.0110
G301	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/19/24	23	30	CB around T-S line	0.000102	0.00560
G301	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/19/24	24	33	CI around median	0.25	0.411
G301	UA	E004	Lead, total	mg/L	11/20/15 - 02/19/24	23	48	CI around median	0.001	0.00630
G301	UA	E004	Lithium, total	mg/L	11/20/15 - 02/19/24	23	56	CI around median	0.01	0.0130
G301	UA	E004	Mercury, total	mg/L	11/20/15 - 02/19/24	18	94	CI around median	0.0002	0.00130
G301	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/19/24	23	100	All ND - Last	0.0015	0.00150
G301	UA	E004	pH (field)	SU	11/20/15 - 02/19/24	24	0	CI around mean	6.6/6.9	6.6/7.3
G301	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/19/24	23	0	CI around mean	0.517	1.60
G301	UA	E004	Selenium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.00150
G301	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/19/24	24	0	CB around linear reg	477	367
G301	UA	E004	Thallium, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.002	0.00100
G301	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	1,070	1,010
G302	UA	E004	Antimony, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.001	0.003
G302	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/19/24	23	22	CI around median	0.001	0.00430
G302	UA	E004	Barium, total	mg/L	11/20/15 - 02/19/24	23	0	CI around geomean	0.0289	0.120
G302	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/19/24	22	100	All ND - Last	0.001	0.001
G302	UA	E004	Boron, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	1.65	3.20
G302	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/19/24	23	100	All ND - Last	0.001	0.001
G302	UA	E004	Chloride, total	mg/L	11/20/15 - 02/19/24	24	4	CI around mean	11.8	120

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COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G302	UA	E004	Chromium, total	mg/L	11/20/15 - 02/19/24	23	65	CI around median	0.004	0.0110
G302	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/19/24	23	26	CI around median	0.002	0.00560
G302	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/19/24	24	33	CI around median	0.25	0.411
G302	UA	E004	Lead, total	mg/L	11/20/15 - 02/19/24	23	56	CI around median	0.001	0.00630
G302	UA	E004	Lithium, total	mg/L	11/20/15 - 02/19/24	23	30	CI around mean	0.014	0.0130
G302	UA	E004	Mercury, total	mg/L	11/20/15 - 02/19/24	18	94	CI around median	0.0002	0.00130
G302	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/19/24	23	48	CI around median	0.001	0.00150
G302	UA	E004	pH (field)	SU	11/20/15 - 02/19/24	24	0	CI around mean	6.8/7.0	6.6/7.3
G302	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/19/24	23	0	CI around geomean	0.365	1.60
G302	UA	E004	Selenium, total	mg/L	11/20/15 - 02/19/24	22	96	CI around median	0.001	0.00150
G302	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	376	367
G302	UA	E004	Thallium, total	mg/L	11/20/15 - 02/19/24	18	100	All ND - Last	0.002	0.00100
G302	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/19/24	24	0	CI around mean	969	1,010
G303	UA	E004	Antimony, total	mg/L	11/20/15 - 02/14/24	18	100	All ND - Last	0.001	0.003
G303	UA	E004	Arsenic, total	mg/L	11/20/15 - 02/14/24	23	4	CB around linear reg	-0.00257	0.00430
G303	UA	E004	Barium, total	mg/L	11/20/15 - 02/14/24	23	0	CI around median	0.015	0.120
G303	UA	E004	Beryllium, total	mg/L	11/20/15 - 02/14/24	22	100	All ND - Last	0.001	0.001
G303	UA	E004	Boron, total	mg/L	11/20/15 - 02/14/24	24	0	CI around mean	1.77	3.20
G303	UA	E004	Cadmium, total	mg/L	11/20/15 - 02/14/24	23	100	All ND - Last	0.001	0.001
G303	UA	E004	Chloride, total	mg/L	11/20/15 - 02/14/24	24	0	CB around linear reg	25.1	120
G303	UA	E004	Chromium, total	mg/L	11/20/15 - 02/14/24	23	87	CB around T-S line	0.0017	0.0110
G303	UA	E004	Cobalt, total	mg/L	11/20/15 - 02/14/24	23	30	CI around geomean	0.00154	0.00560
G303	UA	E004	Fluoride, total	mg/L	11/20/15 - 02/14/24	24	21	CI around mean	0.265	0.411
G303	UA	E004	Lead, total	mg/L	11/20/15 - 02/14/24	23	83	CI around median	0.001	0.00630
G303	UA	E004	Lithium, total	mg/L	11/20/15 - 02/14/24	23	0	CB around linear reg	0.0154	0.0130
G303	UA	E004	Mercury, total	mg/L	11/20/15 - 02/14/24	18	89	CI around median	0.0002	0.00130
G303	UA	E004	Molybdenum, total	mg/L	11/20/15 - 02/14/24	23	0	CI around mean	0.00177	0.00150

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G303	UA	E004	pH (field)	SU	11/20/15 - 02/14/24	24	0	CI around mean	6.8/7.0	6.6/7.3
G303	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 02/14/24	23	0	CI around mean	0.562	1.60
G303	UA	E004	Selenium, total	mg/L	11/20/15 - 02/14/24	22	100	All ND - Last	0.001	0.00150
G303	UA	E004	Sulfate, total	mg/L	11/20/15 - 02/14/24	24	0	CB around linear reg	606	367
G303	UA	E004	Thallium, total	mg/L	11/20/15 - 02/14/24	18	100	All ND - Last	0.002	0.00100
G303	UA	E004	Total Dissolved Solids	mg/L	11/20/15 - 02/14/24	24	0	CI around mean	1,510	1,010
G305	UA	E004	Antimony, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.003
G305	UA	E004	Arsenic, total	mg/L	05/19/16 - 02/19/24	10	60	CI around median	0.001	0.00430
G305	UA	E004	Barium, total	mg/L	05/19/16 - 02/19/24	10	0	CI around geomean	0.0286	0.120
G305	UA	E004	Beryllium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.001
G305	UA	E004	Boron, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	2.06	3.20
G305	UA	E004	Cadmium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.001
G305	UA	E004	Chloride, total	mg/L	05/19/16 - 02/19/24	10	0	CI around geomean	18.6	120
G305	UA	E004	Chromium, total	mg/L	05/19/16 - 02/19/24	10	50	CI around geomean	0.00146	0.0110
G305	UA	E004	Cobalt, total	mg/L	05/19/16 - 02/19/24	10	70	CI around median	0.001	0.00560
G305	UA	E004	Fluoride, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	0.359	0.411
G305	UA	E004	Lead, total	mg/L	05/19/16 - 02/19/24	10	20	CI around geomean	0.00103	0.00630
G305	UA	E004	Lithium, total	mg/L	05/19/16 - 02/19/24	10	40	CI around mean	0.00629	0.0130
G305	UA	E004	Mercury, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.0002	0.00130
G305	UA	E004	Molybdenum, total	mg/L	05/19/16 - 02/19/24	10	50	CI around geomean	0.000984	0.00150
G305	UA	E004	pH (field)	SU	05/19/16 - 02/19/24	10	0	CI around mean	7.0/7.3	6.6/7.3
G305	UA	E004	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 02/19/24	10	0	CI around geomean	0.31	1.60
G305	UA	E004	Selenium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.001	0.00150
G305	UA	E004	Sulfate, total	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	808	367
G305	UA	E004	Thallium, total	mg/L	05/19/16 - 02/19/24	10	100	All ND - Last	0.002	0.00100
G305	UA	E004	Total Dissolved Solids	mg/L	05/19/16 - 02/19/24	10	0	CI around mean	1,360	1,010
G307	UA	E004	Antimony, total	mg/L	08/16/16 - 02/14/24	14	100	All ND - Last	0.001	0.003

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G307	UA	E004	Arsenic, total	mg/L	08/16/16 - 02/14/24	19	58	CI around median	0.001	0.00430
G307	UA	E004	Barium, total	mg/L	08/16/16 - 02/14/24	19	0	CI around geomean	0.0295	0.120
G307	UA	E004	Beryllium, total	mg/L	08/16/16 - 02/14/24	18	94	CI around median	0.001	0.001
G307	UA	E004	Boron, total	mg/L	08/16/16 - 02/14/24	20	0	CI around mean	2.01	3.20
G307	UA	E004	Cadmium, total	mg/L	08/16/16 - 02/14/24	19	53	CI around median	0.001	0.001
G307	UA	E004	Chloride, total	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	7.82	120
G307	UA	E004	Chromium, total	mg/L	08/16/16 - 02/14/24	19	47	CI around median	0.004	0.0110
G307	UA	E004	Cobalt, total	mg/L	08/16/16 - 02/14/24	20	0	CI around median	0.0026	0.00560
G307	UA	E004	Fluoride, total	mg/L	08/16/16 - 02/14/24	20	5	CI around median	0.299	0.411
G307	UA	E004	Lead, total	mg/L	08/16/16 - 02/14/24	19	42	CI around median	0.001	0.00630
G307	UA	E004	Lithium, total	mg/L	08/16/16 - 02/14/24	19	47	CI around median	0.0126	0.0130
G307	UA	E004	Mercury, total	mg/L	08/16/16 - 02/14/24	14	93	CI around median	0.0002	0.00130
G307	UA	E004	Molybdenum, total	mg/L	08/16/16 - 02/14/24	19	10	CI around geomean	0.0011	0.00150
G307	UA	E004	pH (field)	SU	08/16/16 - 02/14/24	21	0	CI around mean	7.0/7.2	6.6/7.3
G307	UA	E004	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 02/14/24	19	0	CI around mean	0.534	1.60
G307	UA	E004	Selenium, total	mg/L	08/16/16 - 02/14/24	18	83	CI around median	0.001	0.00150
G307	UA	E004	Sulfate, total	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	426	367
G307	UA	E004	Thallium, total	mg/L	08/16/16 - 02/14/24	14	100	All ND - Last	0.002	0.00100
G307	UA	E004	Total Dissolved Solids	mg/L	08/16/16 - 02/14/24	20	0	CB around linear reg	896	1,010
G307D	LCU	E004	Antimony, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.001	0.003
G307D	LCU	E004	Arsenic, total	mg/L	03/29/21 - 02/14/24	10	20	CI around geomean	0.000898	0.00430
G307D	LCU	E004	Barium, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	0.0269	0.120
G307D	LCU	E004	Beryllium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.001
G307D	LCU	E004	Boron, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	1.16	3.20
G307D	LCU	E004	Cadmium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.001
G307D	LCU	E004	Chloride, total	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	6.68	120
G307D	LCU	E004	Chromium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.0015	0.0110

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G307D	LCU	E004	Cobalt, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.001	0.00560
G307D	LCU	E004	Fluoride, total	mg/L	03/29/21 - 02/14/24	9	0	CI around mean	0.494	0.411
G307D	LCU	E004	Lead, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.00630
G307D	LCU	E004	Lithium, total	mg/L	03/29/21 - 02/14/24	10	90	CB around T-S line	-0.00016	0.0130
G307D	LCU	E004	Mercury, total	mg/L	03/29/21 - 02/14/24	10	90	CI around median	0.0002	0.00130
G307D	LCU	E004	Molybdenum, total	mg/L	03/29/21 - 02/14/24	10	0	CI around mean	0.00571	0.00150
G307D	LCU	E004	pH (field)	SU	03/29/21 - 02/14/24	10	0	CI around mean	7.1/7.3	6.6/7.3
G307D	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/14/24	11	0	CI around geomean	0.21	1.60
G307D	LCU	E004	Selenium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.001	0.00150
G307D	LCU	E004	Sulfate, total	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	497	367
G307D	LCU	E004	Thallium, total	mg/L	03/29/21 - 02/14/24	10	100	All ND - Last	0.002	0.00100
G307D	LCU	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/14/24	9	0	CB around linear reg	918	1,010
G308	UA	E004	Antimony, total	mg/L	03/29/21 - 02/16/24	13	92	CB around T-S line	0.000812	0.003
G308	UA	E004	Arsenic, total	mg/L	03/29/21 - 02/16/24	13	85	CI around median	0.001	0.00430
G308	UA	E004	Barium, total	mg/L	03/29/21 - 02/16/24	13	0	CI around mean	0.0207	0.120
G308	UA	E004	Beryllium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.001
G308	UA	E004	Boron, total	mg/L	03/29/21 - 02/16/24	13	0	CI around mean	2.44	3.20
G308	UA	E004	Cadmium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.001
G308	UA	E004	Chloride, total	mg/L	03/29/21 - 02/16/24	13	8	CB around T-S line	-0.0926	120
G308	UA	E004	Chromium, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.0033	0.0110
G308	UA	E004	Cobalt, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.00560
G308	UA	E004	Fluoride, total	mg/L	03/29/21 - 02/16/24	13	8	CI around geomean	0.511	0.411
G308	UA	E004	Lead, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.001	0.00630
G308	UA	E004	Lithium, total	mg/L	03/29/21 - 02/16/24	13	77	CB around T-S line	0.00662	0.0130
G308	UA	E004	Mercury, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.0002	0.00130
G308	UA	E004	Molybdenum, total	mg/L	03/29/21 - 02/16/24	13	8	CI around median	0.0013	0.00150
G308	UA	E004	pH (field)	SU	03/29/21 - 02/16/24	13	0	CI around mean	7.1/7.3	6.6/7.3

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G308	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/16/24	12	0	CI around median	0.00738	1.60
G308	UA	E004	Selenium, total	mg/L	03/29/21 - 02/16/24	13	92	CI around median	0.001	0.00150
G308	UA	E004	Sulfate, total	mg/L	03/29/21 - 02/16/24	13	0	CB around linear reg	824	367
G308	UA	E004	Thallium, total	mg/L	03/29/21 - 02/16/24	13	100	All ND - Last	0.002	0.00100
G308	UA	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/16/24	13	0	CB around linear reg	1,530	1,010
G310	UA	E004	Antimony, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.003
G310	UA	E004	Arsenic, total	mg/L	03/29/21 - 02/19/24	13	92	CI around median	0.001	0.00430
G310	UA	E004	Barium, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	0.015	0.120
G310	UA	E004	Beryllium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.001
G310	UA	E004	Boron, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	1.71	3.20
G310	UA	E004	Cadmium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.001
G310	UA	E004	Chloride, total	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	15	120
G310	UA	E004	Chromium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0015	0.0110
G310	UA	E004	Cobalt, total	mg/L	03/29/21 - 02/19/24	13	77	CB around T-S line	0.00119	0.00560
G310	UA	E004	Fluoride, total	mg/L	03/29/21 - 02/19/24	13	15	CI around mean	0.267	0.411
G310	UA	E004	Lead, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.00630
G310	UA	E004	Lithium, total	mg/L	03/29/21 - 02/19/24	13	77	CB around T-S line	0.00451	0.0130
G310	UA	E004	Mercury, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0002	0.00130
G310	UA	E004	Molybdenum, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.0015	0.00150
G310	UA	E004	pH (field)	SU	03/29/21 - 02/19/24	13	0	CI around mean	7.0/7.2	6.6/7.3
G310	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 02/19/24	12	0	CI around median	0	1.60
G310	UA	E004	Selenium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.001	0.00150
G310	UA	E004	Sulfate, total	mg/L	03/29/21 - 02/19/24	13	0	CB around T-S line	-1,940	367
G310	UA	E004	Thallium, total	mg/L	03/29/21 - 02/19/24	13	100	All ND - Last	0.002	0.00100
G310	UA	E004	Total Dissolved Solids	mg/L	03/29/21 - 02/19/24	13	0	CI around mean	1,210	1,010
G312	UA	E004	Antimony, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.003
G312	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/19/24	11	91	CI around median	0.001	0.00430

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G312	UA	E004	Barium, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	0.0247	0.120
G312	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.001
G312	UA	E004	Boron, total	mg/L	03/30/21 - 02/19/24	11	0	CI around geomean	1.45	3.20
G312	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.001
G312	UA	E004	Chloride, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	21.7	120
G312	UA	E004	Chromium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.0015	0.0110
G312	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/19/24	11	27	CI around mean	0.00183	0.00560
G312	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/19/24	11	73	CI around median	0.22	0.411
G312	UA	E004	Lead, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.00630
G312	UA	E004	Lithium, total	mg/L	03/30/21 - 02/19/24	11	64	CI around median	0.018	0.0130
G312	UA	E004	Mercury, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.0002	0.00130
G312	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/19/24	11	91	CI around median	0.001	0.00150
G312	UA	E004	pH (field)	SU	03/30/21 - 02/19/24	11	0	CI around median	6.3/6.5	6.6/7.3
G312	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/19/24	10	0	CI around mean	0.243	1.60
G312	UA	E004	Selenium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.001	0.00150
G312	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	728	367
G312	UA	E004	Thallium, total	mg/L	03/30/21 - 02/19/24	11	100	All ND - Last	0.002	0.00100
G312	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/19/24	11	0	CI around mean	1,490	1,010
G313	UA	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.003
G313	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.00430
G313	UA	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.0187	0.120
G313	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G313	UA	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	3.3	3.20
G313	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G313	UA	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	8	CI around median	20	120
G313	UA	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0015	0.0110
G313	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.000716	0.00560

ATTACHMENT C.
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G313	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	8	CI around mean	0.239	0.411
G313	UA	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.00630
G313	UA	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	38	CI around median	0.02	0.0130
G313	UA	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.00130
G313	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	23	CI around geomean	0.00101	0.00150
G313	UA	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.8/7.0	6.6/7.3
G313	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around mean	0.273	1.60
G313	UA	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.00150
G313	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CB around T-S line	-626	367
G313	UA	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.00100
G313	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	1,460	1,010
G314	LCU	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	92	CB around T-S line	0.000727	0.003
G314	LCU	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	69	CI around median	0.001	0.00430
G314	LCU	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.0184	0.120
G314	LCU	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G314	LCU	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around geomean	0.138	3.20
G314	LCU	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G314	LCU	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	31	120
G314	LCU	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.0019	0.0110
G314	LCU	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	8	CI around mean	0.0032	0.00560
G314	LCU	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.201	0.411
G314	LCU	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.00630
G314	LCU	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	77	CB around T-S line	0.00586	0.0130
G314	LCU	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.00130
G314	LCU	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	8	CB around linear reg	-0.00373	0.00150
G314	LCU	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.5/6.8	6.6/7.3
G314	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around geomean	0.495	1.60

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G314	LCU	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	85	CI around median	0.001	0.00150
G314	LCU	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	2,000	367
G314	LCU	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.00100
G314	LCU	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around median	3,430	1,010
G314D	DA	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.003
G314D	DA	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	10	40	CI around median	0.001	0.00430
G314D	DA	E004	Barium, total	mg/L	03/30/21 - 02/13/24	10	0	CI around mean	0.0307	0.120
G314D	DA	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.001
G314D	DA	E004	Boron, total	mg/L	03/30/21 - 02/13/24	10	0	CI around mean	0.149	3.20
G314D	DA	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.001
G314D	DA	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	9	0	CB around linear reg	-5.42	120
G314D	DA	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.0015	0.0110
G314D	DA	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	10	60	CB around T-S line	0.002	0.00560
G314D	DA	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	0.558	0.411
G314D	DA	E004	Lead, total	mg/L	03/30/21 - 02/13/24	10	80	CI around median	0.001	0.00630
G314D	DA	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	10	40	CB around linear reg	0.011	0.0130
G314D	DA	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.0002	0.00130
G314D	DA	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	10	0	CB around linear reg	-0.00692	0.00150
G314D	DA	E004	pH (field)	SU	03/30/21 - 02/13/24	10	0	CB around linear reg	6.6/7.0	6.6/7.3
G314D	DA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	10	0	CI around geomean	1.51	1.60
G314D	DA	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.001	0.00150
G314D	DA	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	816	367
G314D	DA	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	10	100	All ND - Last	0.002	0.00100
G314D	DA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	9	0	CI around mean	1,900	1,010
G315	UA	E004	Antimony, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.003
G315	UA	E004	Arsenic, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.00430
G315	UA	E004	Barium, total	mg/L	03/30/21 - 02/14/24	13	0	CI around mean	0.0201	0.120

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COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G315	UA	E004	Beryllium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.001
G315	UA	E004	Boron, total	mg/L	03/30/21 - 02/14/24	13	0	CI around median	1.2	3.20
G315	UA	E004	Cadmium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.001
G315	UA	E004	Chloride, total	mg/L	03/30/21 - 02/14/24	13	0	CB around T-S line	-34.9	120
G315	UA	E004	Chromium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0015	0.0110
G315	UA	E004	Cobalt, total	mg/L	03/30/21 - 02/14/24	13	92	CB around T-S line	0.00103	0.00560
G315	UA	E004	Fluoride, total	mg/L	03/30/21 - 02/14/24	13	0	CI around median	0.261	0.411
G315	UA	E004	Lead, total	mg/L	03/30/21 - 02/14/24	13	92	CI around median	0.001	0.00630
G315	UA	E004	Lithium, total	mg/L	03/30/21 - 02/14/24	13	77	CB around T-S line	0.00451	0.0130
G315	UA	E004	Mercury, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0002	0.00130
G315	UA	E004	Molybdenum, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.0015	0.00150
G315	UA	E004	pH (field)	SU	03/30/21 - 02/14/24	13	0	CI around mean	6.7/6.9	6.6/7.3
G315	UA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/14/24	12	0	CI around mean	0.129	1.60
G315	UA	E004	Selenium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.001	0.00150
G315	UA	E004	Sulfate, total	mg/L	03/30/21 - 02/14/24	13	0	CB around T-S line	272	367
G315	UA	E004	Thallium, total	mg/L	03/30/21 - 02/14/24	13	100	All ND - Last	0.002	0.00100
G315	UA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/14/24	13	0	CB around linear reg	507	1,010
G316	LCU	E004	Antimony, total	mg/L	03/30/21 - 02/13/24	13	92	CI around median	0.0012	0.003
G316	LCU	E004	Arsenic, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.0074	0.00430
G316	LCU	E004	Barium, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.0685	0.120
G316	LCU	E004	Beryllium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G316	LCU	E004	Boron, total	mg/L	03/30/21 - 02/13/24	13	0	CI around mean	0.368	3.20
G316	LCU	E004	Cadmium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.001
G316	LCU	E004	Chloride, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	25	120
G316	LCU	E004	Chromium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0015	0.0110
G316	LCU	E004	Cobalt, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.00217	0.00560
G316	LCU	E004	Fluoride, total	mg/L	03/30/21 - 02/13/24	13	46	CI around mean	0.251	0.411

**ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024**

845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G316	LCU	E004	Lead, total	mg/L	03/30/21 - 02/13/24	13	92	CI around median	0.001	0.00630
G316	LCU	E004	Lithium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.003	0.0130
G316	LCU	E004	Mercury, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.0002	0.00130
G316	LCU	E004	Molybdenum, total	mg/L	03/30/21 - 02/13/24	13	0	CB around linear reg	0.00401	0.00150
G316	LCU	E004	pH (field)	SU	03/30/21 - 02/13/24	13	0	CI around mean	6.9/7.1	6.6/7.3
G316	LCU	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/13/24	12	0	CI around geomean	0.334	1.60
G316	LCU	E004	Selenium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.001	0.00150
G316	LCU	E004	Sulfate, total	mg/L	03/30/21 - 02/13/24	13	0	CI around median	662	367
G316	LCU	E004	Thallium, total	mg/L	03/30/21 - 02/13/24	13	100	All ND - Last	0.002	0.00100
G316	LCU	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/13/24	13	0	CI around median	1,600	1,010

Notes:

Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

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

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