



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 GMF Gypsum Stack Pond; IEPA ID # W1350150004-03

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 Gypsum Management Facility Gypsum Stack Pond, identified by Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-03. 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, GMF Gypsum Stack Pond,
Coffeen Power Plant, Coffeen, Illinois*

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES
QUARTER 1, 2024
GMF GYPSUM STACK POND, COFFEEN POWER PLANT, COFFEEN, ILLINOIS

June 7, 2024

Samples were collected between February 13 and 21, 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 9, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 1, 2024 sampling event. SG-04, located on the unnamed tributary, was destroyed following a rain event in October 2023; alternative construction methods for monitoring at this location are being evaluated. **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

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. GMF Gypsum Stack Pond. 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
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G200	Background	E004	02/21/2024	Antimony, total	0.001 UJ	mg/L
G200	Background	E004	02/21/2024	Arsenic, total	0.00100 J+	mg/L
G200	Background	E004	02/21/2024	Barium, total	0.0380 J	mg/L
G200	Background	E004	02/21/2024	Beryllium, total	0.0002 U	mg/L
G200	Background	E004	02/21/2024	Boron, total	0.0932 J	mg/L
G200	Background	E004	02/21/2024	Cadmium, total	0.0002 U	mg/L
G200	Background	E004	02/21/2024	Calcium, total	83.8	mg/L
G200	Background	E004	02/21/2024	Chloride, total	46.0	mg/L
G200	Background	E004	02/21/2024	Chromium, total	0.0015 UJ	mg/L
G200	Background	E004	02/21/2024	Cobalt, total	0.001 UJ	mg/L
G200	Background	E004	02/21/2024	Dissolved Oxygen	2.45	mg/L
G200	Background	E004	02/21/2024	Fluoride, total	0.320	mg/L
G200	Background	E004	02/21/2024	Lead, total	0.0006 U	mg/L
G200	Background	E004	02/21/2024	Lithium, total	0.00420 J	mg/L
G200	Background	E004	02/21/2024	Mercury, total	0.00006 U	mg/L
G200	Background	E004	02/21/2024	Molybdenum, total	0.00280 J+	mg/L
G200	Background	E004	02/21/2024	Oxidation Reduction Potential	171	mV
G200	Background	E004	02/21/2024	pH (field)	6.7	SU
G200	Background	E004	02/21/2024	Radium 226 + Radium 228, total	0.243	pCi/L
G200	Background	E004	02/21/2024	Selenium, total	0.00210	mg/L
G200	Background	E004	02/21/2024	Specific Conductance @ 25C (field)	862	micromhos/cm
G200	Background	E004	02/21/2024	Sulfate, total	109	mg/L
G200	Background	E004	02/21/2024	Temperature	11.8	degrees C
G200	Background	E004	02/21/2024	Thallium, total	0.001 U	mg/L
G200	Background	E004	02/21/2024	Total Dissolved Solids	496	mg/L
G200	Background	E004	02/21/2024	Turbidity, field	11.0	NTU
R201	Background	E004	02/20/2024	Antimony, total	0.0004 U	mg/L
R201	Background	E004	02/20/2024	Arsenic, total	0.00120 J+	mg/L
R201	Background	E004	02/20/2024	Barium, total	0.0726 J	mg/L
R201	Background	E004	02/20/2024	Beryllium, total	0.0002 U	mg/L
R201	Background	E004	02/20/2024	Boron, total	0.269	mg/L
R201	Background	E004	02/20/2024	Cadmium, total	0.001 UJ	mg/L
R201	Background	E004	02/20/2024	Calcium, total	94.6	mg/L
R201	Background	E004	02/20/2024	Chloride, total	45.0	mg/L
R201	Background	E004	02/20/2024	Chromium, total	0.00170 J+	mg/L
R201	Background	E004	02/20/2024	Cobalt, total	0.00110 J+	mg/L
R201	Background	E004	02/20/2024	Dissolved Oxygen	1.57	mg/L
R201	Background	E004	02/20/2024	Fluoride, total	0.490	mg/L
R201	Background	E004	02/20/2024	Lead, total	0.00140	mg/L
R201	Background	E004	02/20/2024	Lithium, total	0.00500	mg/L
R201	Background	E004	02/20/2024	Mercury, total	0.00006 U	mg/L
R201	Background	E004	02/20/2024	Molybdenum, total	0.00180 J+	mg/L
R201	Background	E004	02/20/2024	Oxidation Reduction Potential	147	mV
R201	Background	E004	02/20/2024	pH (field)	7.0	SU
R201	Background	E004	02/20/2024	Radium 226 + Radium 228, total	0.374	pCi/L
R201	Background	E004	02/20/2024	Selenium, total	0.00310	mg/L

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GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
R201	Background	E004	02/20/2024	Specific Conductance @ 25C (field)	971	micromhos/cm
R201	Background	E004	02/20/2024	Sulfate, total	185	mg/L
R201	Background	E004	02/20/2024	Temperature	13.9	degrees C
R201	Background	E004	02/20/2024	Thallium, total	0.001 U	mg/L
R201	Background	E004	02/20/2024	Total Dissolved Solids	555 J-	mg/L
R201	Background	E004	02/20/2024	Turbidity, field	14.0	NTU
G206	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G206	Compliance	E004	02/13/2024	Arsenic, total	0.001 UJ	mg/L
G206	Compliance	E004	02/13/2024	Barium, total	0.0763	mg/L
G206	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G206	Compliance	E004	02/13/2024	Boron, total	0.0092 U	mg/L
G206	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G206	Compliance	E004	02/13/2024	Calcium, total	88.4	mg/L
G206	Compliance	E004	02/13/2024	Chloride, total	24.0	mg/L
G206	Compliance	E004	02/13/2024	Chromium, total	0.0012 U	mg/L
G206	Compliance	E004	02/13/2024	Cobalt, total	0.001 UJ	mg/L
G206	Compliance	E004	02/13/2024	Dissolved Oxygen	1.48	mg/L
G206	Compliance	E004	02/13/2024	Fluoride, total	0.430	mg/L
G206	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G206	Compliance	E004	02/13/2024	Lithium, total	0.0028 J	mg/L
G206	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G206	Compliance	E004	02/13/2024	Molybdenum, total	0.0015 UJ	mg/L
G206	Compliance	E004	02/13/2024	Oxidation Reduction Potential	96.0	mV
G206	Compliance	E004	02/13/2024	pH (field)	7.2	SU
G206	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.5	pCi/L
G206	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G206	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	875	micromhos/cm
G206	Compliance	E004	02/13/2024	Sulfate, total	166	mg/L
G206	Compliance	E004	02/13/2024	Temperature	14.3	degrees C
G206	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G206	Compliance	E004	02/13/2024	Total Dissolved Solids	528	mg/L
G206	Compliance	E004	02/13/2024	Turbidity, field	4.40	NTU
G206D	Compliance	E004	02/16/2024	Antimony, total	0.0004 U	mg/L
G206D	Compliance	E004	02/16/2024	Arsenic, total	0.0184	mg/L
G206D	Compliance	E004	02/16/2024	Barium, total	0.203	mg/L
G206D	Compliance	E004	02/16/2024	Beryllium, total	0.0002 U	mg/L
G206D	Compliance	E004	02/16/2024	Boron, total	0.137 J+	mg/L
G206D	Compliance	E004	02/16/2024	Cadmium, total	0.0002 U	mg/L
G206D	Compliance	E004	02/16/2024	Calcium, total	86.6	mg/L
G206D	Compliance	E004	02/16/2024	Chloride, total	22.0	mg/L
G206D	Compliance	E004	02/16/2024	Chromium, total	0.0015 UJ	mg/L
G206D	Compliance	E004	02/16/2024	Cobalt, total	0.001 UJ	mg/L
G206D	Compliance	E004	02/16/2024	Dissolved Oxygen	2.53	mg/L
G206D	Compliance	E004	02/16/2024	Fluoride, total	0.970	mg/L
G206D	Compliance	E004	02/16/2024	Lead, total	0.0006 U	mg/L
G206D	Compliance	E004	02/16/2024	Lithium, total	0.0028 J	mg/L

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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G206D	Compliance	E004	02/16/2024	Mercury, total	0.00008 U	mg/L
G206D	Compliance	E004	02/16/2024	Molybdenum, total	0.00760 J+	mg/L
G206D	Compliance	E004	02/16/2024	Oxidation Reduction Potential	173	mV
G206D	Compliance	E004	02/16/2024	pH (field)	6.6	SU
G206D	Compliance	E004	02/16/2024	Radium 226 + Radium 228, total	0.769	pCi/L
G206D	Compliance	E004	02/16/2024	Selenium, total	0.0006 U	mg/L
G206D	Compliance	E004	02/16/2024	Specific Conductance @ 25C (field)	1,040	micromhos/cm
G206D	Compliance	E004	02/16/2024	Sulfate, total	126	mg/L
G206D	Compliance	E004	02/16/2024	Temperature	11.7	degrees C
G206D	Compliance	E004	02/16/2024	Thallium, total	0.001 U	mg/L
G206D	Compliance	E004	02/16/2024	Total Dissolved Solids	630	mg/L
G206D	Compliance	E004	02/16/2024	Turbidity, field	6.30	NTU
G209	Compliance	E004	02/13/2024	Antimony, total	0.001 UJ	mg/L
G209	Compliance	E004	02/13/2024	Arsenic, total	0.00130 J+	mg/L
G209	Compliance	E004	02/13/2024	Barium, total	0.0702	mg/L
G209	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G209	Compliance	E004	02/13/2024	Boron, total	0.0300 J+	mg/L
G209	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G209	Compliance	E004	02/13/2024	Calcium, total	143	mg/L
G209	Compliance	E004	02/13/2024	Chloride, total	59.0	mg/L
G209	Compliance	E004	02/13/2024	Chromium, total	0.0015 UJ	mg/L
G209	Compliance	E004	02/13/2024	Cobalt, total	0.001 UJ	mg/L
G209	Compliance	E004	02/13/2024	Dissolved Oxygen	1.65	mg/L
G209	Compliance	E004	02/13/2024	Fluoride, total	0.470	mg/L
G209	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G209	Compliance	E004	02/13/2024	Lithium, total	0.00520	mg/L
G209	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G209	Compliance	E004	02/13/2024	Molybdenum, total	0.00310 J+	mg/L
G209	Compliance	E004	02/13/2024	Oxidation Reduction Potential	139	mV
G209	Compliance	E004	02/13/2024	pH (field)	6.8	SU
G209	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.481	pCi/L
G209	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G209	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	1,280	micromhos/cm
G209	Compliance	E004	02/13/2024	Sulfate, total	251	mg/L
G209	Compliance	E004	02/13/2024	Temperature	13.6	degrees C
G209	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G209	Compliance	E004	02/13/2024	Total Dissolved Solids	798	mg/L
G209	Compliance	E004	02/13/2024	Turbidity, field	6.90	NTU
G212	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G212	Compliance	E004	02/14/2024	Arsenic, total	0.001 UJ	mg/L
G212	Compliance	E004	02/14/2024	Barium, total	0.0549	mg/L
G212	Compliance	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L
G212	Compliance	E004	02/14/2024	Boron, total	0.0092 U	mg/L
G212	Compliance	E004	02/14/2024	Cadmium, total	0.001 UJ	mg/L
G212	Compliance	E004	02/14/2024	Calcium, total	56.3	mg/L
G212	Compliance	E004	02/14/2024	Chloride, total	48.0	mg/L

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COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G212	Compliance	E004	02/14/2024	Chromium, total	0.0015 UJ	mg/L
G212	Compliance	E004	02/14/2024	Cobalt, total	0.0001 U	mg/L
G212	Compliance	E004	02/14/2024	Dissolved Oxygen	4.26	mg/L
G212	Compliance	E004	02/14/2024	Fluoride, total	0.320	mg/L
G212	Compliance	E004	02/14/2024	Lead, total	0.0006 U	mg/L
G212	Compliance	E004	02/14/2024	Lithium, total	0.0021 J	mg/L
G212	Compliance	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G212	Compliance	E004	02/14/2024	Molybdenum, total	0.0006 U	mg/L
G212	Compliance	E004	02/14/2024	Oxidation Reduction Potential	152	mV
G212	Compliance	E004	02/14/2024	pH (field)	7.1	SU
G212	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.632	pCi/L
G212	Compliance	E004	02/14/2024	Selenium, total	0.00120	mg/L
G212	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	736	micromhos/cm
G212	Compliance	E004	02/14/2024	Sulfate, total	59.0	mg/L
G212	Compliance	E004	02/14/2024	Temperature	13.9	degrees C
G212	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G212	Compliance	E004	02/14/2024	Total Dissolved Solids	412	mg/L
G212	Compliance	E004	02/14/2024	Turbidity, field	3.40	NTU
G213	Compliance	E004	02/14/2024	Antimony, total	0.0004 U	mg/L
G213	Compliance	E004	02/14/2024	Arsenic, total	0.001 UJ	mg/L
G213	Compliance	E004	02/14/2024	Barium, total	0.0622	mg/L
G213	Compliance	E004	02/14/2024	Beryllium, total	0.0002 U	mg/L
G213	Compliance	E004	02/14/2024	Boron, total	0.0092 U	mg/L
G213	Compliance	E004	02/14/2024	Cadmium, total	0.0002 U	mg/L
G213	Compliance	E004	02/14/2024	Calcium, total	74.3	mg/L
G213	Compliance	E004	02/14/2024	Chloride, total	53.0	mg/L
G213	Compliance	E004	02/14/2024	Chromium, total	0.00410 J+	mg/L
G213	Compliance	E004	02/14/2024	Cobalt, total	0.001 UJ	mg/L
G213	Compliance	E004	02/14/2024	Dissolved Oxygen	4.92	mg/L
G213	Compliance	E004	02/14/2024	Fluoride, total	0.340	mg/L
G213	Compliance	E004	02/14/2024	Lead, total	0.00120	mg/L
G213	Compliance	E004	02/14/2024	Lithium, total	0.00380	mg/L
G213	Compliance	E004	02/14/2024	Mercury, total	0.00006 U	mg/L
G213	Compliance	E004	02/14/2024	Molybdenum, total	0.0006 U	mg/L
G213	Compliance	E004	02/14/2024	Oxidation Reduction Potential	157	mV
G213	Compliance	E004	02/14/2024	pH (field)	7.0	SU
G213	Compliance	E004	02/14/2024	Radium 226 + Radium 228, total	0.263	pCi/L
G213	Compliance	E004	02/14/2024	Selenium, total	0.0007 J	mg/L
G213	Compliance	E004	02/14/2024	Specific Conductance @ 25C (field)	723	micromhos/cm
G213	Compliance	E004	02/14/2024	Sulfate, total	70.0	mg/L
G213	Compliance	E004	02/14/2024	Temperature	13.7	degrees C
G213	Compliance	E004	02/14/2024	Thallium, total	0.001 U	mg/L
G213	Compliance	E004	02/14/2024	Total Dissolved Solids	412	mg/L
G213	Compliance	E004	02/14/2024	Turbidity, field	12.0	NTU
G215	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G215	Compliance	E004	02/13/2024	Arsenic, total	0.00210 J+	mg/L

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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G215	Compliance	E004	02/13/2024	Barium, total	0.0458	mg/L
G215	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G215	Compliance	E004	02/13/2024	Boron, total	0.809	mg/L
G215	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G215	Compliance	E004	02/13/2024	Calcium, total	186	mg/L
G215	Compliance	E004	02/13/2024	Chloride, total	157	mg/L
G215	Compliance	E004	02/13/2024	Chromium, total	0.0015 UJ	mg/L
G215	Compliance	E004	02/13/2024	Cobalt, total	0.001 UJ	mg/L
G215	Compliance	E004	02/13/2024	Dissolved Oxygen	1.61	mg/L
G215	Compliance	E004	02/13/2024	Fluoride, total	0.300	mg/L
G215	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G215	Compliance	E004	02/13/2024	Lithium, total	0.00870	mg/L
G215	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G215	Compliance	E004	02/13/2024	Molybdenum, total	0.0015 UJ	mg/L
G215	Compliance	E004	02/13/2024	Oxidation Reduction Potential	122	mV
G215	Compliance	E004	02/13/2024	pH (field)	6.8	SU
G215	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	1.02	pCi/L
G215	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G215	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	2,020	micromhos/cm
G215	Compliance	E004	02/13/2024	Sulfate, total	566	mg/L
G215	Compliance	E004	02/13/2024	Temperature	14.1	degrees C
G215	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G215	Compliance	E004	02/13/2024	Total Dissolved Solids	1,260	mg/L
G215	Compliance	E004	02/13/2024	Turbidity, field	10.0	NTU
G217	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G217	Compliance	E004	02/13/2024	Arsenic, total	0.0004 U	mg/L
G217	Compliance	E004	02/13/2024	Barium, total	0.0898	mg/L
G217	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G217	Compliance	E004	02/13/2024	Boron, total	0.0243 J+	mg/L
G217	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G217	Compliance	E004	02/13/2024	Calcium, total	180	mg/L
G217	Compliance	E004	02/13/2024	Chloride, total	125	mg/L
G217	Compliance	E004	02/13/2024	Chromium, total	0.0012 U	mg/L
G217	Compliance	E004	02/13/2024	Cobalt, total	0.001 UJ	mg/L
G217	Compliance	E004	02/13/2024	Dissolved Oxygen	1.56	mg/L
G217	Compliance	E004	02/13/2024	Fluoride, total	0.350	mg/L
G217	Compliance	E004	02/13/2024	Lead, total	0.0006 U	mg/L
G217	Compliance	E004	02/13/2024	Lithium, total	0.00370	mg/L
G217	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G217	Compliance	E004	02/13/2024	Molybdenum, total	0.0006 U	mg/L
G217	Compliance	E004	02/13/2024	Oxidation Reduction Potential	129	mV
G217	Compliance	E004	02/13/2024	pH (field)	6.8	SU
G217	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.692	pCi/L
G217	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G217	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	1,590	micromhos/cm
G217	Compliance	E004	02/13/2024	Sulfate, total	428	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G217	Compliance	E004	02/13/2024	Temperature	14.2	degrees C
G217	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G217	Compliance	E004	02/13/2024	Total Dissolved Solids	950	mg/L
G217	Compliance	E004	02/13/2024	Turbidity, field	11.0	NTU
G218	Compliance	E004	02/13/2024	Antimony, total	0.0004 U	mg/L
G218	Compliance	E004	02/13/2024	Arsenic, total	0.00190 J+	mg/L
G218	Compliance	E004	02/13/2024	Barium, total	0.0750	mg/L
G218	Compliance	E004	02/13/2024	Beryllium, total	0.0002 U	mg/L
G218	Compliance	E004	02/13/2024	Boron, total	0.02 UJ	mg/L
G218	Compliance	E004	02/13/2024	Cadmium, total	0.0002 U	mg/L
G218	Compliance	E004	02/13/2024	Calcium, total	169	mg/L
G218	Compliance	E004	02/13/2024	Chloride, total	119	mg/L
G218	Compliance	E004	02/13/2024	Chromium, total	0.00230 J+	mg/L
G218	Compliance	E004	02/13/2024	Cobalt, total	0.001 UJ	mg/L
G218	Compliance	E004	02/13/2024	Dissolved Oxygen	1.69	mg/L
G218	Compliance	E004	02/13/2024	Fluoride, total	0.300	mg/L
G218	Compliance	E004	02/13/2024	Lead, total	0.0007 J	mg/L
G218	Compliance	E004	02/13/2024	Lithium, total	0.00450	mg/L
G218	Compliance	E004	02/13/2024	Mercury, total	0.00006 U	mg/L
G218	Compliance	E004	02/13/2024	Molybdenum, total	0.0006 U	mg/L
G218	Compliance	E004	02/13/2024	Oxidation Reduction Potential	125	mV
G218	Compliance	E004	02/13/2024	pH (field)	6.9	SU
G218	Compliance	E004	02/13/2024	Radium 226 + Radium 228, total	0.422	pCi/L
G218	Compliance	E004	02/13/2024	Selenium, total	0.0006 U	mg/L
G218	Compliance	E004	02/13/2024	Specific Conductance @ 25C (field)	1,560	micromhos/cm
G218	Compliance	E004	02/13/2024	Sulfate, total	396	mg/L
G218	Compliance	E004	02/13/2024	Temperature	14.2	degrees C
G218	Compliance	E004	02/13/2024	Thallium, total	0.001 U	mg/L
G218	Compliance	E004	02/13/2024	Total Dissolved Solids	835	mg/L
G218	Compliance	E004	02/13/2024	Turbidity, field	20.0	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J- = The result is an estimated quantity, but the result may be biased low.
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
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G206	UA	E004	Antimony, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G206	UA	E004	Arsenic, total	mg/L	11/18/15 - 02/13/24	22	69	CI around median	0.001	0.0110	Background	No Exceedance
G206	UA	E004	Barium, total	mg/L	11/18/15 - 02/13/24	22	3	CI around mean	0.0477	2.0	Standard	No Exceedance
G206	UA	E004	Beryllium, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G206	UA	E004	Boron, total	mg/L	11/18/15 - 02/13/24	29	79	CI around median	0.01	2	Standard	No Exceedance
G206	UA	E004	Cadmium, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G206	UA	E004	Chloride, total	mg/L	11/18/15 - 02/13/24	29	0	CB around linear reg	18.8	200	Standard	No Exceedance
G206	UA	E004	Chromium, total	mg/L	11/18/15 - 02/13/24	22	85	CB around T-S line	0.00321	0.1	Standard	No Exceedance
G206	UA	E004	Cobalt, total	mg/L	11/18/15 - 02/13/24	22	97	CB around T-S line	0.00189	0.006	Standard	No Exceedance
G206	UA	E004	Fluoride, total	mg/L	11/18/15 - 02/13/24	30	5	CI around mean	0.385	4.0	Standard	No Exceedance
G206	UA	E004	Lead, total	mg/L	11/18/15 - 02/13/24	22	93	CI around median	0.001	0.0075	Standard	No Exceedance
G206	UA	E004	Lithium, total	mg/L	11/18/15 - 02/13/24	15	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G206	UA	E004	Mercury, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G206	UA	E004	Molybdenum, total	mg/L	11/18/15 - 02/13/24	22	67	CI around median	0.001	0.1	Standard	No Exceedance
G206	UA	E004	pH (field)	SU	11/18/15 - 02/13/24	31	0	CI around median	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
G206	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 02/13/24	15	0	CI around mean	0.437	5	Standard	No Exceedance
G206	UA	E004	Selenium, total	mg/L	11/18/15 - 02/13/24	22	82	CI around median	0.001	0.05	Standard	No Exceedance
G206	UA	E004	Sulfate, total	mg/L	11/18/15 - 02/13/24	29	0	CB around linear reg	125	400	Standard	No Exceedance
G206	UA	E004	Thallium, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G206	UA	E004	Total Dissolved Solids	mg/L	11/18/15 - 02/13/24	29	0	CB around T-S line	478	1,200	Standard	No Exceedance
G206D	DA	E004	Antimony, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G206D	DA	E004	Arsenic, total	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	0.0163	0.0110	Background	Exceedance
G206D	DA	E004	Barium, total	mg/L	03/30/21 - 02/16/24	10	0	CI around mean	0.103	2.0	Standard	No Exceedance
G206D	DA	E004	Beryllium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G206D	DA	E004	Boron, total	mg/L	03/30/21 - 02/16/24	10	0	CI around mean	0.114	2	Standard	No Exceedance
G206D	DA	E004	Cadmium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G206D	DA	E004	Chloride, total	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	3.89	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G206D	DA	E004	Chromium, total	mg/L	03/30/21 - 02/16/24	10	90	CB around T-S line	-0.00544	0.1	Standard	No Exceedance
G206D	DA	E004	Cobalt, total	mg/L	03/30/21 - 02/16/24	10	90	CB around T-S line	-0.000361	0.006	Standard	No Exceedance
G206D	DA	E004	Fluoride, total	mg/L	03/30/21 - 02/16/24	10	0	CI around mean	0.682	4.0	Standard	No Exceedance
G206D	DA	E004	Lead, total	mg/L	03/30/21 - 02/16/24	10	80	CI around median	0.001	0.0075	Standard	No Exceedance
G206D	DA	E004	Lithium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G206D	DA	E004	Mercury, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G206D	DA	E004	Molybdenum, total	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	0.00646	0.1	Standard	No Exceedance
G206D	DA	E004	pH (field)	SU	03/30/21 - 02/16/24	10	0	CI around mean	6.9/7.4	6.5/9.0	Standard/Standard	No Exceedance
G206D	DA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/16/24	11	0	CI around mean	0.276	5	Standard	No Exceedance
G206D	DA	E004	Selenium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G206D	DA	E004	Sulfate, total	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	-100	400	Standard	No Exceedance
G206D	DA	E004	Thallium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G206D	DA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	434	1,200	Standard	No Exceedance
G209	UA	E004	Antimony, total	mg/L	11/18/15 - 02/13/24	22	97	CB around T-S line	0.00279	0.006	Standard	No Exceedance
G209	UA	E004	Arsenic, total	mg/L	11/18/15 - 02/13/24	22	42	CI around geomean	0.00114	0.0110	Background	No Exceedance
G209	UA	E004	Barium, total	mg/L	11/18/15 - 02/13/24	22	0	CI around mean	0.0574	2.0	Standard	No Exceedance
G209	UA	E004	Beryllium, total	mg/L	11/18/15 - 02/13/24	22	97	Most recent sample	0.001	0.004	Standard	No Exceedance
G209	UA	E004	Boron, total	mg/L	11/18/15 - 02/13/24	29	58	CI around median	0.01	2	Standard	No Exceedance
G209	UA	E004	Cadmium, total	mg/L	11/18/15 - 02/13/24	22	98	Most recent sample	0.001	0.005	Standard	No Exceedance
G209	UA	E004	Chloride, total	mg/L	11/18/15 - 02/13/24	29	0	CI around median	59	200	Standard	No Exceedance
G209	UA	E004	Chromium, total	mg/L	11/18/15 - 02/13/24	22	71	CB around T-S line	0.00373	0.1	Standard	No Exceedance
G209	UA	E004	Cobalt, total	mg/L	11/18/15 - 02/13/24	22	88	CB around T-S line	0.00189	0.006	Standard	No Exceedance
G209	UA	E004	Fluoride, total	mg/L	11/18/15 - 02/13/24	30	2	CI around mean	0.406	4.0	Standard	No Exceedance
G209	UA	E004	Lead, total	mg/L	11/18/15 - 02/13/24	22	87	CI around median	0.001	0.0075	Standard	No Exceedance
G209	UA	E004	Lithium, total	mg/L	11/18/15 - 02/13/24	15	80	CI around median	0.0058	0.04	Standard	No Exceedance
G209	UA	E004	Mercury, total	mg/L	11/18/15 - 02/13/24	22	97	Most recent sample	0.0002	0.002	Standard	No Exceedance
G209	UA	E004	Molybdenum, total	mg/L	11/18/15 - 02/13/24	22	8	CI around mean	0.00163	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G209	UA	E004	pH (field)	SU	11/18/15 - 02/13/24	33	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G209	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 02/13/24	15	0	CI around mean	0.481	5	Standard	No Exceedance
G209	UA	E004	Selenium, total	mg/L	11/18/15 - 02/13/24	22	62	CI around median	0.001	0.05	Standard	No Exceedance
G209	UA	E004	Sulfate, total	mg/L	11/18/15 - 02/13/24	29	0	CI around median	240	400	Standard	No Exceedance
G209	UA	E004	Thallium, total	mg/L	11/18/15 - 02/13/24	22	94	CB around T-S line	0.001	0.002	Standard	No Exceedance
G209	UA	E004	Total Dissolved Solids	mg/L	11/18/15 - 02/13/24	29	0	CI around mean	792	1,200	Standard	No Exceedance
G212	UA	E004	Antimony, total	mg/L	11/18/15 - 02/14/24	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G212	UA	E004	Arsenic, total	mg/L	11/18/15 - 02/14/24	22	84	CI around median	0.001	0.0110	Background	No Exceedance
G212	UA	E004	Barium, total	mg/L	11/18/15 - 02/14/24	22	0	CI around mean	0.0487	2.0	Standard	No Exceedance
G212	UA	E004	Beryllium, total	mg/L	11/18/15 - 02/14/24	22	97	CI around median	0.001	0.004	Standard	No Exceedance
G212	UA	E004	Boron, total	mg/L	11/18/15 - 02/14/24	29	83	CI around median	0.01	2	Standard	No Exceedance
G212	UA	E004	Cadmium, total	mg/L	11/18/15 - 02/14/24	22	98	CI around median	0.001	0.005	Standard	No Exceedance
G212	UA	E004	Chloride, total	mg/L	11/18/15 - 02/14/24	29	0	CB around linear reg	43.6	200	Standard	No Exceedance
G212	UA	E004	Chromium, total	mg/L	11/18/15 - 02/14/24	22	85	CB around T-S line	0.00373	0.1	Standard	No Exceedance
G212	UA	E004	Cobalt, total	mg/L	11/18/15 - 02/14/24	22	97	CB around T-S line	0.00189	0.006	Standard	No Exceedance
G212	UA	E004	Fluoride, total	mg/L	11/18/15 - 02/14/24	29	12	CI around median	0.32	4.0	Standard	No Exceedance
G212	UA	E004	Lead, total	mg/L	11/18/15 - 02/14/24	22	84	CI around median	0.001	0.0075	Standard	No Exceedance
G212	UA	E004	Lithium, total	mg/L	11/18/15 - 02/14/24	15	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G212	UA	E004	Mercury, total	mg/L	11/18/15 - 02/14/24	22	97	CI around median	0.0002	0.002	Standard	No Exceedance
G212	UA	E004	Molybdenum, total	mg/L	11/18/15 - 02/14/24	22	71	CI around median	0.001	0.1	Standard	No Exceedance
G212	UA	E004	pH (field)	SU	11/18/15 - 02/14/24	30	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G212	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 02/14/24	15	0	CI around mean	0.403	5	Standard	No Exceedance
G212	UA	E004	Selenium, total	mg/L	11/18/15 - 02/14/24	22	15	CB around linear reg	-3.03e-05	0.05	Standard	No Exceedance
G212	UA	E004	Sulfate, total	mg/L	11/18/15 - 02/14/24	29	0	CI around mean	53.3	400	Standard	No Exceedance
G212	UA	E004	Thallium, total	mg/L	11/18/15 - 02/14/24	22	97	CI around median	0.001	0.002	Standard	No Exceedance
G212	UA	E004	Total Dissolved Solids	mg/L	11/18/15 - 02/14/24	29	0	CI around geomean	381	1,200	Standard	No Exceedance
G213	UA	E004	Antimony, total	mg/L	10/13/20 - 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
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G213	UA	E004	Arsenic, total	mg/L	10/13/20 - 02/14/24	14	70	CI around median	0.001	0.0110	Background	No Exceedance
G213	UA	E004	Barium, total	mg/L	10/13/20 - 02/14/24	14	0	CI around mean	0.046	2.0	Standard	No Exceedance
G213	UA	E004	Beryllium, total	mg/L	10/13/20 - 02/14/24	14	92	Most recent sample	0.001	0.004	Standard	No Exceedance
G213	UA	E004	Boron, total	mg/L	10/13/20 - 02/14/24	14	89	CI around median	0.01	2	Standard	No Exceedance
G213	UA	E004	Cadmium, total	mg/L	10/13/20 - 02/14/24	14	97	Most recent sample	0.001	0.005	Standard	No Exceedance
G213	UA	E004	Chloride, total	mg/L	10/13/20 - 02/14/24	14	0	CI around mean	41.8	200	Standard	No Exceedance
G213	UA	E004	Chromium, total	mg/L	10/13/20 - 02/14/24	14	62	CI around median	0.004	0.1	Standard	No Exceedance
G213	UA	E004	Cobalt, total	mg/L	10/13/20 - 02/14/24	14	85	CB around T-S line	0.000818	0.006	Standard	No Exceedance
G213	UA	E004	Fluoride, total	mg/L	10/13/20 - 02/14/24	14	8	CI around median	0.267	4.0	Standard	No Exceedance
G213	UA	E004	Lead, total	mg/L	10/13/20 - 02/14/24	14	70	CI around median	0.001	0.0075	Standard	No Exceedance
G213	UA	E004	Lithium, total	mg/L	02/15/23 - 02/14/24	5	40	CI around geomean	0.00316	0.04	Standard	No Exceedance
G213	UA	E004	Mercury, total	mg/L	10/13/20 - 02/14/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G213	UA	E004	Molybdenum, total	mg/L	10/13/20 - 02/14/24	14	88	CB around T-S line	0.001	0.1	Standard	No Exceedance
G213	UA	E004	pH (field)	SU	10/13/20 - 02/14/24	14	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G213	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 02/14/24	5	0	CI around mean	-0.461	5	Standard	No Exceedance
G213	UA	E004	Selenium, total	mg/L	10/13/20 - 02/14/24	14	27	CI around median	0.001	0.05	Standard	No Exceedance
G213	UA	E004	Sulfate, total	mg/L	10/13/20 - 02/14/24	14	0	CB around linear reg	59.8	400	Standard	No Exceedance
G213	UA	E004	Thallium, total	mg/L	10/13/20 - 02/14/24	14	96	CB around T-S line	0.001	0.002	Standard	No Exceedance
G213	UA	E004	Total Dissolved Solids	mg/L	10/13/20 - 02/14/24	14	0	CI around mean	373	1,200	Standard	No Exceedance
G215	UA	E004	Antimony, total	mg/L	11/24/15 - 02/13/24	22	97	CB around T-S line	0.00223	0.006	Standard	No Exceedance
G215	UA	E004	Arsenic, total	mg/L	11/24/15 - 02/13/24	22	20	CI around geomean	0.00439	0.0110	Background	No Exceedance
G215	UA	E004	Barium, total	mg/L	11/24/15 - 02/13/24	22	0	CB around linear reg	0.00756	2.0	Standard	No Exceedance
G215	UA	E004	Beryllium, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G215	UA	E004	Boron, total	mg/L	11/24/15 - 02/13/24	30	24	CB around linear reg	0.629	2	Standard	No Exceedance
G215	UA	E004	Cadmium, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G215	UA	E004	Chloride, total	mg/L	11/24/15 - 02/13/24	30	0	CB around T-S line	92.3	200	Standard	No Exceedance
G215	UA	E004	Chromium, total	mg/L	11/24/15 - 02/13/24	22	91	CB around T-S line	0.00373	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G215	UA	E004	Cobalt, total	mg/L	11/24/15 - 02/13/24	22	91	CB around T-S line	0.00154	0.006	Standard	No Exceedance
G215	UA	E004	Fluoride, total	mg/L	11/24/15 - 02/13/24	30	14	CB around linear reg	0.149	4.0	Standard	No Exceedance
G215	UA	E004	Lead, total	mg/L	11/24/15 - 02/13/24	22	84	CI around median	0.001	0.0075	Standard	No Exceedance
G215	UA	E004	Lithium, total	mg/L	11/24/15 - 02/13/24	15	80	CI around median	0.0096	0.04	Standard	No Exceedance
G215	UA	E004	Mercury, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G215	UA	E004	Molybdenum, total	mg/L	11/24/15 - 02/13/24	22	88	CI around median	0.001	0.1	Standard	No Exceedance
G215	UA	E004	pH (field)	SU	11/24/15 - 02/13/24	32	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G215	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 02/13/24	15	0	CI around mean	0.488	5	Standard	No Exceedance
G215	UA	E004	Selenium, total	mg/L	11/24/15 - 02/13/24	22	91	CI around median	0.001	0.05	Standard	No Exceedance
G215	UA	E004	Sulfate, total	mg/L	11/24/15 - 02/13/24	30	0	CB around linear reg	506	400	Standard	Exceedance
G215	UA	E004	Thallium, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G215	UA	E004	Total Dissolved Solids	mg/L	11/24/15 - 02/13/24	30	0	CB around linear reg	1,220	1,200	Standard	Exceedance
G217	UA	E004	Antimony, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G217	UA	E004	Arsenic, total	mg/L	10/14/20 - 02/13/24	14	84	CI around median	0.001	0.0110	Background	No Exceedance
G217	UA	E004	Barium, total	mg/L	10/14/20 - 02/13/24	14	0	CI around mean	0.0939	2.0	Standard	No Exceedance
G217	UA	E004	Beryllium, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G217	UA	E004	Boron, total	mg/L	10/14/20 - 02/13/24	14	73	CI around median	0.01	2	Standard	No Exceedance
G217	UA	E004	Cadmium, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G217	UA	E004	Chloride, total	mg/L	10/14/20 - 02/13/24	14	0	CB around linear reg	109	200	Standard	No Exceedance
G217	UA	E004	Chromium, total	mg/L	10/14/20 - 02/13/24	14	72	CB around T-S line	0.00105	0.1	Standard	No Exceedance
G217	UA	E004	Cobalt, total	mg/L	10/14/20 - 02/13/24	14	88	CB around T-S line	0.000818	0.006	Standard	No Exceedance
G217	UA	E004	Fluoride, total	mg/L	10/14/20 - 02/13/24	14	12	CI around median	0.296	4.0	Standard	No Exceedance
G217	UA	E004	Lead, total	mg/L	10/14/20 - 02/13/24	14	89	CI around median	0.001	0.0075	Standard	No Exceedance
G217	UA	E004	Lithium, total	mg/L	02/15/23 - 02/13/24	5	40	CI around median (Last Sample, n<7)	0.0037	0.04	Standard	No Exceedance
G217	UA	E004	Mercury, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G217	UA	E004	Molybdenum, total	mg/L	10/14/20 - 02/13/24	14	88	CB around T-S line	0.001	0.1	Standard	No Exceedance
G217	UA	E004	pH (field)	SU	10/14/20 - 02/13/24	14	0	CI around mean	6.8/7.0	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
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G217	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 02/13/24	5	0	CI around mean	0.345	5	Standard	No Exceedance
G217	UA	E004	Selenium, total	mg/L	10/14/20 - 02/13/24	14	76	Most recent sample	0.001	0.05	Standard	No Exceedance
G217	UA	E004	Sulfate, total	mg/L	10/14/20 - 02/13/24	14	0	CB around linear reg	391	400	Standard	No Exceedance
G217	UA	E004	Thallium, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G217	UA	E004	Total Dissolved Solids	mg/L	10/14/20 - 02/13/24	14	0	CB around linear reg	982	1,200	Standard	No Exceedance
G218	UA	E004	Antimony, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G218	UA	E004	Arsenic, total	mg/L	11/24/15 - 02/13/24	22	22	CI around geomean	0.00132	0.0110	Background	No Exceedance
G218	UA	E004	Barium, total	mg/L	11/24/15 - 02/13/24	22	0	CB around linear reg	0.0798	2.0	Standard	No Exceedance
G218	UA	E004	Beryllium, total	mg/L	11/24/15 - 02/13/24	22	97	CI around median	0.001	0.004	Standard	No Exceedance
G218	UA	E004	Boron, total	mg/L	11/24/15 - 02/13/24	29	77	CB around T-S line	0.01	2	Standard	No Exceedance
G218	UA	E004	Cadmium, total	mg/L	11/24/15 - 02/13/24	22	98	CI around median	0.001	0.005	Standard	No Exceedance
G218	UA	E004	Chloride, total	mg/L	11/24/15 - 02/13/24	29	0	CI around median	84	200	Standard	No Exceedance
G218	UA	E004	Chromium, total	mg/L	11/24/15 - 02/13/24	22	76	CB around T-S line	0.00284	0.1	Standard	No Exceedance
G218	UA	E004	Cobalt, total	mg/L	11/24/15 - 02/13/24	22	88	CI around median	0.002	0.006	Standard	No Exceedance
G218	UA	E004	Fluoride, total	mg/L	11/24/15 - 02/13/24	30	12	CI around mean	0.287	4.0	Standard	No Exceedance
G218	UA	E004	Lead, total	mg/L	11/24/15 - 02/13/24	22	91	CI around median	0.001	0.0075	Standard	No Exceedance
G218	UA	E004	Lithium, total	mg/L	11/24/15 - 02/13/24	15	80	CI around median	0.0047	0.04	Standard	No Exceedance
G218	UA	E004	Mercury, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G218	UA	E004	Molybdenum, total	mg/L	11/24/15 - 02/13/24	22	88	CI around median	0.001	0.1	Standard	No Exceedance
G218	UA	E004	pH (field)	SU	11/24/15 - 02/13/24	31	0	CI around mean	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
G218	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 02/13/24	15	0	CI around mean	0.6	5	Standard	No Exceedance
G218	UA	E004	Selenium, total	mg/L	11/24/15 - 02/13/24	22	85	CI around median	0.001	0.05	Standard	No Exceedance
G218	UA	E004	Sulfate, total	mg/L	11/24/15 - 02/13/24	29	0	CB around linear reg	327	400	Standard	No Exceedance
G218	UA	E004	Thallium, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G218	UA	E004	Total Dissolved Solids	mg/L	11/24/15 - 02/13/24	30	0	CB around linear reg	884	1,200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
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

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

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

GWPS = Groundwater Protection Standard

GWPS Source:

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

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

FIGURES



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

0 250 500
Feet

MONITORING WELL LOCATION MAP

GMF GYPSUM STACK POND
COFFEE POWER PLANT
COFFEE, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.

RAMBOLL

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
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G200	Background	02/12/2024	5.71	620.00
G206	Compliance	02/12/2024	10.90	621.83
G206D	Compliance	02/12/2024	29.33	604.52
G209	Compliance	02/12/2024	10.36	622.32
G212	Compliance	02/12/2024	12.67	620.10
G213	Compliance	02/12/2024	12.88	619.92
G215	Compliance	02/12/2024	15.39	617.57
G217	Compliance	02/12/2024	15.88	617.16
G218	Compliance	02/12/2024	14.89	618.02
R201	Background	02/12/2024	5.16	620.96
SG-04	Water Level	02/12/2024	Not Measured ¹	

Notes:
BMP = below measuring point
NAVD88 = North American Vertical Datum of 1988
¹ SG-04, located on the unnamed tributary, was destroyed following a rain event in October 2023.

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

April 09, 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 15 samples for COF_845_103 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: 09-Apr-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	35
Quality Control Results	36
Receiving Check List	201
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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: 09-Apr-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

Cooler Receipt Temp: 9.1 °C

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

Equipment Blanks 2 and 3 were not required.

Per Eric Bauer's request, only COF_845_103 data is included in this report. EAH 4/9/24

Locations

Collinsville

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

Collinsville Air

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Fax (217) 698-1005
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Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-027
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G200

Collection Date: 02/21/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.62	ft	1	02/21/2024 9:03	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	02/21/2024 9:03	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		171	mV	1	02/21/2024 9:03	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		862	µS/cm	1	02/21/2024 9:03	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.8	°C	1	02/21/2024 9:03	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.45	mg/L	1	02/21/2024 9:03	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.69		1	02/21/2024 9:03	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		287	mg/L	1	02/22/2024 17:30	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/22/2024 17:30	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		496	mg/L	1	02/26/2024 12:18	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		109	mg/L	5	02/22/2024 16:32	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	02/23/2024 11:30	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		46	mg/L	1	02/22/2024 16:27	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		83.8	mg/L	1	02/22/2024 18:01	219022
Magnesium	NELAP	0.006	0.050		38.7	mg/L	1	02/22/2024 18:01	219022
Potassium	NELAP	0.040	0.100		0.718	mg/L	1	02/22/2024 18:01	219022
Sodium	NELAP	0.018	0.050		54.3	mg/L	1	02/22/2024 18:01	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	BJ	0.7	µg/L	5	02/27/2024 19:36	219022
Arsenic	NELAP	0.4	1.0		1.0	µg/L	5	02/23/2024 23:02	219022
Barium	NELAP	0.7	1.0		38.0	µg/L	5	02/23/2024 23:02	219022
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 23:02	219022
Boron	NELAP	9.2	20.0		93.2	µg/L	5	02/27/2024 19:36	219022
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 23:02	219022
Chromium	NELAP	0.8	1.5	J	1.3	µg/L	5	02/23/2024 23:02	219022
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/23/2024 23:02	219022
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/23/2024 23:02	219022
Lithium	*	1.4	3.0		4.2	µg/L	5	02/23/2024 23:02	219022
Molybdenum	NELAP	0.6	1.5		2.8	µg/L	5	02/27/2024 19:36	219022
Selenium	NELAP	0.6	1.0		2.1	µg/L	5	02/27/2024 19:36	219022
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/23/2024 23:02	219022

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, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-027
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G200
Collection Date: 02/21/2024 9:03

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 16:01	219103



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-028
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G206

Collection Date: 02/13/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.50	ft	1	02/13/2024 11:44	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.4	NTU	1	02/13/2024 11:44	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		96	mV	1	02/13/2024 11:44	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		875	µS/cm	1	02/13/2024 11:44	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.3	°C	1	02/13/2024 11:44	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.48	mg/L	1	02/13/2024 11:44	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.17		1	02/13/2024 11:44	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		285	mg/L	1	02/14/2024 14:57	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/14/2024 14:57	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		528	mg/L	1	02/15/2024 9:49	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		166	mg/L	10	02/14/2024 19:42	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.43	mg/L	1	02/14/2024 15:23	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		24	mg/L	1	02/14/2024 19:36	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		88.4	mg/L	1	02/15/2024 12:33	218746
Magnesium	NELAP	0.006	0.050		38.7	mg/L	1	02/15/2024 12:33	218746
Potassium	NELAP	0.040	0.100		0.541	mg/L	1	02/15/2024 12:33	218746
Sodium	NELAP	0.018	0.050		48.6	mg/L	1	02/15/2024 12:33	218746
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/16/2024 22:25	218746
Arsenic	NELAP	0.4	1.0	J	0.9	µg/L	5	02/16/2024 1:57	218746
Barium	NELAP	0.7	1.0		76.3	µg/L	5	02/21/2024 12:39	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/16/2024 22:25	218746
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	02/19/2024 10:26	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/16/2024 22:25	218746
Chromium	NELAP	1.2	1.5		< 1.5	µg/L	5	02/19/2024 10:26	218746
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/16/2024 22:25	218746
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 0:53	218746
Lithium	*	1.4	3.0	J	2.8	µg/L	5	02/16/2024 1:57	218746
Molybdenum	NELAP	0.6	1.5	J	1.4	µg/L	5	02/19/2024 10:26	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/16/2024 22:25	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/16/2024 22:25	218746



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-028
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G206
Collection Date: 02/13/2024 11:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/15/2024 14:57	218747



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-029
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G206D
Collection Date: 02/16/2024 9:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		29.30	ft	1	02/16/2024 9:31	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.3	NTU	1	02/16/2024 9:31	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		173	mV	1	02/16/2024 9:31	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1040	µS/cm	1	02/16/2024 9:31	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.7	°C	1	02/16/2024 9:31	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.53	mg/L	1	02/16/2024 9:31	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.63		1	02/16/2024 9:31	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		422	mg/L	1	02/19/2024 10:31	R343247
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/19/2024 10:31	R343247
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		630	mg/L	2.5	02/17/2024 12:14	R343246
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		126	mg/L	10	02/19/2024 17:18	R343255
SW-846 9060A									
Dissolved Organic Carbon	NELAP	0.4	1.0		5.8	mg/L	1	02/19/2024 10:26	R343233
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.97	mg/L	1	02/19/2024 10:04	R343237
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		22	mg/L	1	02/19/2024 17:12	R343256
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		86.6	mg/L	1	02/20/2024 12:11	218873
Magnesium	NELAP	0.006	0.050		31.1	mg/L	1	02/20/2024 12:11	218873
Potassium	NELAP	0.040	0.100		1.20	mg/L	1	02/20/2024 12:11	218873
Sodium	NELAP	0.018	0.050		111	mg/L	1	02/20/2024 12:11	218873
SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)									
Arsenic	NELAP	0.4	1.0		13.7	µg/L	5	02/23/2024 3:29	218861
Iron	NELAP	18.5	25.0		2640	µg/L	5	02/23/2024 3:29	218861
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	< 1.0	µg/L	5	02/20/2024 18:44	218873
Arsenic	NELAP	0.4	1.0		18.4	µg/L	5	02/20/2024 18:44	218873
Barium	NELAP	0.7	1.0		203	µg/L	5	02/20/2024 18:44	218873
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/20/2024 18:44	218873
Boron	NELAP	9.2	20.0		137	µg/L	5	02/20/2024 18:44	218873
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/20/2024 18:44	218873
Chromium	NELAP	0.8	1.5	J	1.3	µg/L	5	02/20/2024 18:44	218873
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	02/20/2024 18:44	218873
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 18:44	218873



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-029
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G206D

Collection Date: 02/16/2024 9:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Lithium	*	1.4	3.0	J	2.8	µg/L	5	02/20/2024 18:44	218873
Molybdenum	NELAP	0.6	1.5		7.6	µg/L	5	02/20/2024 18:44	218873
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 18:44	218873
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/20/2024 18:44	218873
Contamination present in the MBLK for Sb. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.08	0.20		< 0.20	µg/L	1	02/19/2024 17:56	218860



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-032
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G209

Collection Date: 02/13/2024 10:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.59	ft	1	02/13/2024 10:30	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.9	NTU	1	02/13/2024 10:30	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		139	mV	1	02/13/2024 10:30	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1280	µS/cm	1	02/13/2024 10:30	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.6	°C	1	02/13/2024 10:30	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.65	mg/L	1	02/13/2024 10:30	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.83		1	02/13/2024 10:30	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		390	mg/L	1	02/14/2024 15:02	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/14/2024 15:02	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		798	mg/L	1	02/15/2024 9:50	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		251	mg/L	10	02/14/2024 20:11	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.47	mg/L	1	02/14/2024 15:27	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		59	mg/L	2	02/14/2024 19:52	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	143	mg/L	1	02/15/2024 12:34	218746
Magnesium	NELAP	0.006	0.050	S	53.6	mg/L	1	02/15/2024 12:34	218746
Potassium	NELAP	0.040	0.100		0.656	mg/L	1	02/15/2024 12:34	218746
Sodium	NELAP	0.018	0.050	S	71.9	mg/L	1	02/15/2024 12:34	218746
<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	J	0.7	µg/L	5	02/16/2024 22:59	218746
Arsenic	NELAP	0.4	1.0		1.3	µg/L	5	02/16/2024 22:59	218746
Barium	NELAP	0.7	1.0		70.2	µg/L	5	02/21/2024 13:59	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/16/2024 22:59	218746
Boron	NELAP	9.2	20.0		30.0	µg/L	5	02/19/2024 11:38	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/16/2024 22:59	218746
Chromium	NELAP	1.2	1.5	J	1.3	µg/L	5	02/19/2024 11:38	218746
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/16/2024 22:59	218746
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 2:18	218746
Lithium	*	1.4	3.0		5.2	µg/L	5	02/16/2024 22:59	218746
Molybdenum	NELAP	0.6	1.5		3.1	µg/L	5	02/19/2024 11:38	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/16/2024 22:59	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/22/2024 15:31	218746



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-032
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G209
Collection Date: 02/13/2024 10:30

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	02/15/2024 15:19	218747



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-035
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G212

Collection Date: 02/14/2024 10:17

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		12.95	ft	1	02/14/2024 10:17	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.4	NTU	1	02/14/2024 10:17	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		152	mV	1	02/14/2024 10:17	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		736	µS/cm	1	02/14/2024 10:17	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.9	°C	1	02/14/2024 10:17	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		4.26	mg/L	1	02/14/2024 10:17	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.09		1	02/14/2024 10:17	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		254	mg/L	1	02/16/2024 10:50	R343193
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/16/2024 10:50	R343193
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		412	mg/L	1	02/15/2024 12:53	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		59	mg/L	2	02/15/2024 13:59	R343142
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	02/15/2024 15:11	R343151
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		48	mg/L	2	02/15/2024 14:00	R343144
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		56.3	mg/L	1	02/16/2024 15:14	218807
Magnesium	NELAP	0.006	0.050		27.5	mg/L	1	02/16/2024 15:14	218807
Potassium	NELAP	0.040	0.100		0.289	mg/L	1	02/16/2024 15:14	218807
Sodium	NELAP	0.018	0.050		56.4	mg/L	1	02/16/2024 15:14	218807
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/22/2024 19:26	218807
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	02/21/2024 22:01	218807
Barium	NELAP	0.7	1.0		54.9	µg/L	5	02/21/2024 22:01	218807
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/21/2024 22:01	218807
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	02/19/2024 17:24	218807
Cadmium	NELAP	0.2	1.0	J	0.2	µg/L	5	02/21/2024 22:01	218807
Chromium	NELAP	0.7	1.5	J	1.2	µg/L	5	02/19/2024 17:24	218807
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	02/21/2024 22:01	218807
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	03/04/2024 16:24	219339
Lithium	*	1.4	3.0	J	2.1	µg/L	5	02/21/2024 22:01	218807
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/19/2024 17:24	218807
Selenium	NELAP	0.6	1.0		1.2	µg/L	5	02/21/2024 22:01	218807
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/19/2024 17:24	218807

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

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-035
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G212
Collection Date: 02/14/2024 10:17

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 15:16	218799



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-036
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G213

Collection Date: 02/14/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.23	ft	1	02/14/2024 9:55	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		12	NTU	1	02/14/2024 9:55	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		157	mV	1	02/14/2024 9:55	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		723	µS/cm	1	02/14/2024 9:55	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.7	°C	1	02/14/2024 9:55	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		4.92	mg/L	1	02/14/2024 9:55	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.98		1	02/14/2024 9:55	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		247	mg/L	1	02/16/2024 10:56	R343193
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/16/2024 10:56	R343193
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		412	mg/L	1	02/15/2024 12:53	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		70	mg/L	5	02/15/2024 14:05	R343142
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.34	mg/L	1	02/15/2024 15:13	R343151
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		53	mg/L	5	02/15/2024 14:05	R343144
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		74.3	mg/L	1	02/16/2024 15:15	218807
Magnesium	NELAP	0.006	0.050		33.9	mg/L	1	02/16/2024 15:15	218807
Potassium	NELAP	0.040	0.100		0.745	mg/L	1	02/16/2024 15:15	218807
Sodium	NELAP	0.018	0.050		34.9	mg/L	1	02/16/2024 15:15	218807
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/22/2024 19:32	218807
Arsenic	NELAP	0.4	1.0	J	0.7	µg/L	5	02/21/2024 22:07	218807
Barium	NELAP	0.7	1.0		62.2	µg/L	5	02/21/2024 22:07	218807
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/21/2024 22:07	218807
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	02/19/2024 17:29	218807
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/21/2024 22:07	218807
Chromium	NELAP	0.7	1.5		4.1	µg/L	5	02/19/2024 17:29	218807
Cobalt	NELAP	0.1	1.0	J	0.6	µg/L	5	02/21/2024 22:07	218807
Lead	NELAP	0.6	1.0		1.2	µg/L	5	02/28/2024 5:00	219117
Lithium	*	1.4	3.0		3.8	µg/L	5	02/21/2024 22:07	218807
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/19/2024 17:29	218807
Selenium	NELAP	0.6	1.0	J	0.7	µg/L	5	02/21/2024 22:07	218807
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/19/2024 17:29	218807

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-036
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G213
Collection Date: 02/14/2024 9:55

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 15:25	218799



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-038
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G215

Collection Date: 02/13/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		15.60	ft	1	02/13/2024 14:12	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		10	NTU	1	02/13/2024 14:12	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		122	mV	1	02/13/2024 14:12	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2020	µS/cm	1	02/13/2024 14:12	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.1	°C	1	02/13/2024 14:12	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.61	mg/L	1	02/13/2024 14:12	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.85		1	02/13/2024 14:12	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		354	mg/L	1	02/14/2024 15:08	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/14/2024 15:08	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1260	mg/L	2.5	02/15/2024 9:59	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		566	mg/L	20	02/14/2024 20:35	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.30	mg/L	1	02/14/2024 15:32	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		157	mg/L	10	02/14/2024 20:30	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		186	mg/L	1	02/15/2024 12:36	218746
Magnesium	NELAP	0.006	0.050		106	mg/L	1	02/15/2024 12:36	218746
Potassium	NELAP	0.040	0.100		4.56	mg/L	1	02/15/2024 12:36	218746
Sodium	NELAP	0.018	0.050		95.8	mg/L	1	02/15/2024 12:36	218746
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/16/2024 22:47	218746
Arsenic	NELAP	0.4	1.0		2.1	µg/L	5	02/16/2024 2:20	218746
Barium	NELAP	0.7	1.0		45.8	µg/L	5	02/21/2024 13:26	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/16/2024 22:47	218746
Boron	NELAP	9.2	20.0		809	µg/L	5	02/19/2024 11:14	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/16/2024 22:47	218746
Chromium	NELAP	1.2	1.5	J	1.2	µg/L	5	02/19/2024 11:14	218746
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	02/16/2024 22:47	218746
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 1:39	218746
Lithium	*	1.4	3.0		8.7	µg/L	5	02/16/2024 2:20	218746
Molybdenum	NELAP	0.6	1.5	J	0.7	µg/L	5	02/19/2024 11:14	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/16/2024 22:47	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/16/2024 22:47	218746



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-038
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G215
Collection Date: 02/13/2024 14:12

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 15:46	218749



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-040
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G217

Collection Date: 02/13/2024 12:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.17	ft	1	02/13/2024 12:40	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	02/13/2024 12:40	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		129	mV	1	02/13/2024 12:40	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1590	µS/cm	1	02/13/2024 12:40	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.2	°C	1	02/13/2024 12:40	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.56	mg/L	1	02/13/2024 12:40	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.85		1	02/13/2024 12:40	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		292	mg/L	1	02/14/2024 15:15	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/14/2024 15:15	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		950	mg/L	2.5	02/15/2024 9:59	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		428	mg/L	10	02/14/2024 20:38	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.35	mg/L	1	02/14/2024 15:33	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		125	mg/L	10	02/14/2024 20:38	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		180	mg/L	1	02/15/2024 12:37	218746
Magnesium	NELAP	0.006	0.050		75.5	mg/L	1	02/15/2024 12:37	218746
Potassium	NELAP	0.040	0.100		0.638	mg/L	1	02/15/2024 12:37	218746
Sodium	NELAP	0.018	0.050		73.0	mg/L	1	02/15/2024 12:37	218746
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/17/2024 0:13	218746
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/16/2024 3:29	218746
Barium	NELAP	0.7	1.0		89.8	µg/L	5	02/21/2024 13:37	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:13	218746
Boron	NELAP	9.2	20.0		24.3	µg/L	5	02/19/2024 11:24	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:13	218746
Chromium	NELAP	1.2	1.5		< 1.5	µg/L	5	02/19/2024 11:24	218746
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	02/17/2024 0:13	218746
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/20/2024 1:50	218746
Lithium	*	1.4	3.0		3.7	µg/L	5	02/16/2024 3:29	218746
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/19/2024 11:24	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/17/2024 0:13	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/17/2024 0:13	218746



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-040
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G217

Collection Date: 02/13/2024 12:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/16/2024 16:06	218749



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-041
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G218

Collection Date: 02/13/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		15.07	ft	1	02/13/2024 12:11	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		20	NTU	1	02/13/2024 12:11	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		125	mV	1	02/13/2024 12:11	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1560	µS/cm	1	02/13/2024 12:11	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.2	°C	1	02/13/2024 12:11	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.69	mg/L	1	02/13/2024 12:11	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.86		1	02/13/2024 12:11	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		313	mg/L	1	02/14/2024 15:21	R343082
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/14/2024 15:21	R343082
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		835	mg/L	2.5	02/15/2024 10:00	R343190
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		396	mg/L	10	02/14/2024 20:43	R343078
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.30	mg/L	1	02/14/2024 15:35	R343081
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		119	mg/L	10	02/14/2024 20:43	R343080
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		169	mg/L	1	02/15/2024 12:38	218746
Magnesium	NELAP	0.006	0.050		73.1	mg/L	1	02/15/2024 12:38	218746
Potassium	NELAP	0.040	0.100		0.925	mg/L	1	02/15/2024 12:38	218746
Sodium	NELAP	0.018	0.050		69.7	mg/L	1	02/15/2024 12:38	218746
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/17/2024 0:19	218746
Arsenic	NELAP	0.4	1.0		1.9	µg/L	5	02/16/2024 3:35	218746
Barium	NELAP	0.7	1.0		75.0	µg/L	5	02/21/2024 13:43	218746
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:19	218746
Boron	NELAP	9.2	20	J	15	µg/L	5	02/21/2024 13:43	218746
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/17/2024 0:19	218746
Chromium	NELAP	1.2	1.5		2.3	µg/L	5	02/19/2024 11:29	218746
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	02/17/2024 0:19	218746
Lead	NELAP	0.6	1.0	J	0.7	µg/L	5	02/20/2024 1:56	218746
Lithium	*	1.4	3.0		4.5	µg/L	5	02/16/2024 3:35	218746
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	02/19/2024 11:29	218746
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	02/17/2024 0:19	218746
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/17/2024 0:19	218746



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-041
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: G218

Collection Date: 02/13/2024 12:11

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 16:11	218749



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-085
Matrix: LEACHATE

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: NE Riser

Collection Date: 02/21/2024 14:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.02	ft	1	02/21/2024 14:25	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		1.9	NTU	1	02/21/2024 14:25	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		182	mV	1	02/21/2024 14:25	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		17600	µS/cm	1	02/21/2024 14:25	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		12.2	°C	1	02/21/2024 14:25	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.52	mg/L	1	02/21/2024 14:25	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.54		1	02/21/2024 14:25	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		72	mg/L	1	02/22/2024 16:29	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/22/2024 16:29	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	80	100		11100	mg/L	5	02/23/2024 12:53	R343558
SW-846 9036 (TOTAL)									
Sulfate	NELAP	1230	2000		8460	mg/L	200	02/22/2024 18:37	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.37	1.00		22.4	mg/L	10	02/23/2024 14:15	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	50	400		1260	mg/L	100	02/22/2024 18:19	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		488	mg/L	1	02/22/2024 18:47	219022
Magnesium	NELAP	0.006	0.050		957	mg/L	1	02/22/2024 18:47	219022
Potassium	NELAP	0.800	2.00		108	mg/L	20	02/23/2024 14:59	219022
Sodium	NELAP	0.018	0.050		364	mg/L	1	02/22/2024 18:47	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.6	µg/L	5	02/28/2024 13:15	219022
Arsenic	NELAP	0.4	1.0		2.8	µg/L	5	02/24/2024 1:44	219022
Barium	NELAP	0.7	1.0		47.9	µg/L	5	02/24/2024 1:44	219022
Beryllium	NELAP	0.2	1.0	J	0.3	µg/L	5	02/24/2024 1:44	219022
Boron	NELAP	9.2	20.0		39100	µg/L	5	03/01/2024 15:21	219022
Cadmium	NELAP	0.2	1.0		1.6	µg/L	5	02/24/2024 1:44	219022
Chromium	NELAP	0.8	1.5	J	0.8	µg/L	5	02/24/2024 1:44	219022
Cobalt	NELAP	0.1	1.0		1.7	µg/L	5	02/24/2024 1:44	219022
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	02/24/2024 1:44	219022
Lithium	*	1.4	3.0		145	µg/L	5	02/24/2024 1:44	219022
Molybdenum	NELAP	0.6	1.5		30.1	µg/L	5	02/27/2024 22:48	219022
Selenium	NELAP	0.6	1.0		557	µg/L	5	02/27/2024 22:48	219022
Thallium	NELAP	1.0	2.0	J	1.9	µg/L	5	02/24/2024 1:44	219022



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-085
Matrix: LEACHATE

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: NE Riser
Collection Date: 02/21/2024 14:25

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	02/29/2024 17:47	219164



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-087
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24

Client Sample ID: R201

Collection Date: 02/20/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.06	ft	1	02/20/2024 14:05	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		14	NTU	1	02/20/2024 14:05	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		147	mV	1	02/20/2024 14:05	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		971	µS/cm	1	02/20/2024 14:05	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.9	°C	1	02/20/2024 14:05	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.57	mg/L	1	02/20/2024 14:05	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.00		1	02/20/2024 14:05	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		353	mg/L	1	02/22/2024 14:24	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/22/2024 14:24	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		555	mg/L	2.5	02/22/2024 8:46	R343489
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		185	mg/L	10	02/21/2024 16:38	R343392
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.49	mg/L	1	03/08/2024 13:23	R344130
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		45	mg/L	2	02/21/2024 16:32	R343402
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		94.6	mg/L	1	02/22/2024 18:48	219022
Magnesium	NELAP	0.006	0.050		47.4	mg/L	1	02/22/2024 18:48	219022
Potassium	NELAP	0.040	0.100		1.93	mg/L	1	02/22/2024 18:48	219022
Sodium	NELAP	0.018	0.050		82.2	mg/L	1	02/22/2024 18:48	219022
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	< 1.0	µg/L	5	02/28/2024 0:12	219022
Arsenic	NELAP	0.4	1.0		1.2	µg/L	5	02/24/2024 1:51	219022
Barium	NELAP	0.7	1.0		72.6	µg/L	5	02/24/2024 1:51	219022
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/24/2024 1:51	219022
Boron	NELAP	9.2	20.0		269	µg/L	5	03/01/2024 16:35	219022
Cadmium	NELAP	0.2	1.0	J	0.2	µg/L	5	02/24/2024 1:51	219022
Chromium	NELAP	0.8	1.5		1.7	µg/L	5	02/24/2024 1:51	219022
Cobalt	NELAP	0.1	1.0		1.1	µg/L	5	02/24/2024 1:51	219022
Lead	NELAP	0.6	1.0		1.4	µg/L	5	02/24/2024 1:51	219022
Lithium	*	1.4	3.0		5.0	µg/L	5	02/24/2024 1:51	219022
Molybdenum	NELAP	0.6	1.5		1.8	µg/L	5	02/28/2024 0:12	219022
Selenium	NELAP	0.6	1.0		3.1	µg/L	5	02/28/2024 0:12	219022
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/24/2024 1:51	219022

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, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-087
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: R201
Collection Date: 02/20/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/29/2024 17:49	219164



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

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

Work Order: 24020001
Report Date: 09-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 9060A									
Dissolved Organic Carbon	NELAP	0.4	1.0		< 1.0	mg/L	1	02/22/2024 11:41	R343440
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 (DISSOLVED)									
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	02/24/2024 4:01	219032
Iron	NELAP	11.5	25.0		< 25.0	µg/L	5	02/28/2024 11:06	219032
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
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	02/29/2024 17:58	219164

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.
Contamination present in the MBLK for Fe. 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, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-099
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G200 Duplicate
Collection Date: 02/21/2024 9:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.62	ft	1	02/21/2024 9:03	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	02/21/2024 9:03	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		171	mV	1	02/21/2024 9:03	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		862	µS/cm	1	02/21/2024 9:03	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		11.8	°C	1	02/21/2024 9:03	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.45	mg/L	1	02/21/2024 9:03	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		6.69		1	02/21/2024 9:03	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		291	mg/L	1	02/22/2024 15:56	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/22/2024 15:56	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		534	mg/L	1	02/26/2024 12:37	R343638
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		103	mg/L	5	02/22/2024 18:48	R343452
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.29	mg/L	1	02/23/2024 12:37	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		46	mg/L	1	02/22/2024 18:43	R343454
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	86.9	mg/L	1	02/23/2024 18:56	219043
Magnesium	NELAP	0.006	0.050	S	38.8	mg/L	1	02/23/2024 18:56	219043
Potassium	NELAP	0.040	0.100		0.724	mg/L	1	02/23/2024 18:56	219043
Sodium	NELAP	0.018	0.050	S	56.2	mg/L	1	02/23/2024 18:56	219043
<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	J	0.7	µg/L	5	02/24/2024 0:11	219043
Arsenic	NELAP	0.4	1.0	J	0.9	µg/L	5	02/24/2024 0:11	219043
Barium	NELAP	0.7	1.0		56.5	µg/L	5	02/24/2024 0:11	219043
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/24/2024 0:11	219043
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	02/24/2024 0:11	219043
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/24/2024 0:11	219043
Chromium	NELAP	0.7	1.5		2.1	µg/L	5	02/26/2024 20:02	219043
Cobalt	NELAP	0.1	1.0	J	0.6	µg/L	5	02/24/2024 0:11	219043
Lead	NELAP	0.6	1.0		1.1	µg/L	5	02/24/2024 0:11	219043
Lithium	*	1.4	3.0		6.0	µg/L	5	02/24/2024 0:11	219043
Molybdenum	NELAP	0.6	1.5	J	0.6	µg/L	5	02/24/2024 0:11	219043
Selenium	NELAP	0.6	1.0		2.0	µg/L	5	02/26/2024 20:02	219043
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/26/2024 20:02	219043

Sample result for Fe exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-099
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: G200 Duplicate
Collection Date: 02/21/2024 9:03

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	02/29/2024 18:14	219164



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-102
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: R201 Duplicate
Collection Date: 02/20/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.06	ft	1	02/20/2024 14:05	R343520
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		14	NTU	1	02/20/2024 14:05	R343520
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		147	mV	1	02/20/2024 14:05	R343520
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		971	µS/cm	1	02/20/2024 14:05	R343520
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.9	°C	1	02/20/2024 14:05	R343520
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.57	mg/L	1	02/20/2024 14:05	R343520
SW-846 9040B FIELD									
pH	*	0	1.00		7.00		1	02/20/2024 14:05	R343520
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		351	mg/L	1	02/22/2024 14:37	R343460
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	02/22/2024 14:37	R343460
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		555	mg/L	2.5	02/22/2024 8:57	R343489
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		177	mg/L	10	02/21/2024 16:56	R343392
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.41	mg/L	1	02/23/2024 12:39	R343485
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		43	mg/L	2	02/21/2024 16:51	R343402
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		97.7	mg/L	1	02/23/2024 18:24	219088
Magnesium	NELAP	0.006	0.050		47.7	mg/L	1	02/23/2024 18:24	219088
Potassium	NELAP	0.040	0.100		2.15	mg/L	1	02/23/2024 18:24	219088
Sodium	NELAP	0.018	0.050		87.8	mg/L	1	02/23/2024 18:24	219088
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	02/23/2024 23:20	219088
Arsenic	NELAP	0.4	1.0		1.1	µg/L	5	02/23/2024 23:20	219088
Barium	NELAP	0.7	1.0		53.4	µg/L	5	02/23/2024 23:20	219088
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	02/23/2024 23:20	219088
Boron	NELAP	9.2	20.0		277	µg/L	5	02/23/2024 23:20	219088
Cadmium	NELAP	0.2	1.0	J	0.2	µg/L	5	02/23/2024 23:20	219088
Chromium	NELAP	0.7	1.5	J	1.1	µg/L	5	02/23/2024 23:20	219088
Cobalt	NELAP	0.1	1.0	J	0.9	µg/L	5	02/23/2024 23:20	219088
Lead	NELAP	0.6	1.0	J	1.0	µg/L	5	02/23/2024 23:20	219088
Lithium	*	1.4	3.0		4.8	µg/L	5	02/23/2024 23:20	219088
Molybdenum	NELAP	0.6	1.5	J	1.4	µg/L	5	02/23/2024 23:20	219088
Selenium	NELAP	0.6	1.0		3.4	µg/L	5	02/23/2024 23:20	219088
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	02/26/2024 17:21	219088



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020001-102
Matrix: GROUNDWATER

Work Order: 24020001
Report Date: 09-Apr-24
Client Sample ID: R201 Duplicate
Collection Date: 02/20/2024 14:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	03/05/2024 12:50	219476



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

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

Work Order: 24020001
Report Date: 09-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 CaCO ₃)	NELAP	0	0		0	mg/L	1	02/23/2024 11:26	R343508
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	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 9060A									
Dissolved Organic Carbon	NELAP	0.4	1.0		< 1.0	mg/L	1	02/22/2024 11:47	R343440
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 (DISSOLVED)									
Arsenic	NELAP	0.4	1.0	J	0.8	µg/L	5	02/28/2024 6:12	218795
Iron	NELAP	12	25	J	13	µg/L	5	02/28/2024 12:32	218795
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
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	03/05/2024 11:50	219476

LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

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



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q1

Work Order: 24020001
Report Date: 09-Apr-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24020001-027	G200	Groundwater	5	02/21/2024 9:03
24020001-028	G206	Groundwater	5	02/13/2024 11:44
24020001-029	G206D	Groundwater	4	02/16/2024 9:31
24020001-032	G209	Groundwater	5	02/13/2024 10:30
24020001-035	G212	Groundwater	5	02/14/2024 10:17
24020001-036	G213	Groundwater	5	02/14/2024 9:55
24020001-038	G215	Groundwater	5	02/13/2024 14:12
24020001-040	G217	Groundwater	5	02/13/2024 12:40
24020001-041	G218	Groundwater	5	02/13/2024 12:11
24020001-085	NE Riser	Leachate	2	02/21/2024 14:25
24020001-087	R201	Groundwater	5	02/20/2024 14:05
24020001-097	Field Blank	Aqueous	8	02/21/2024 15:03
24020001-099	G200 Duplicate	Groundwater	5	02/21/2024 9:03
24020001-102	R201 Duplicate	Groundwater	5	02/20/2024 14:05
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: 09-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 μS/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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

STANDARD METHODS 2510 B FIELD

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-R343520-4											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Spec. Conductance, Field	*	0		1420	1412	0	100.2	90	110	02/16/2024	

Batch R343520		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: 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 $\mu\text{S/cm}$							
SampID: 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 $\mu\text{S/cm}$							
SampID: 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 $\mu\text{S/cm}$							
SampID: 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 $\mu\text{S/cm}$							
SampID: 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							
SampID: 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: 09-Apr-24

SW-846 9040B FIELD

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

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

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

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

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

Batch R343520		SampType: LCS		Units								Date
SampID: LCS-R343520-2												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			

Batch R343520		SampType: LCS		Units								Date
SampID: LCS-R343520-3												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			

Batch R343520		SampType: LCS		Units								Date
SampID: LCS-R343520-4												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4			



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9040B FIELD

Batch R343520		SampType: LCS		Units						
SampID: LCS-R343520-5										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	02/19/2024

Batch R343520		SampType: LCS		Units							
SampID: LCS-R343520-6											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	02/20/2024	

Batch R343520		SampType: LCS		Units							
SampID: LCS-R343520-7											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	02/21/2024	

Batch R343520		SampType: LCS		Units							
SampID: LCS-R343520-8											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	02/22/2024	

Batch R343520		SampType: LCS		Units							
SampID: LCS-R343520-9											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date 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						
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	02/15/2024
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						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date 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: 09-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

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

Batch R343190		SampType: DUP		Units mg/L				RPD Limit 10			
SampleID: 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							
SampleID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/16/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	02/16/2024	

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343246		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		946	1000	0	94.6	90	110	02/17/2024

Batch R343246		SampType: DUP		Units mg/L					RPD Limit 10		
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						
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						
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			
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			
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		
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



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

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

Batch R343377		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		940	1000	0	94.0	90	110	02/20/2024	

Batch R343377		SampType: DUP		Units mg/L				RPD Limit 10			
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							
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							
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			
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							
SampID: MBLK											Date
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	02/22/2024	
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	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R343489		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		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			
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			
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							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	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							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
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							
SampleID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	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						
SampleID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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			
SampleID: 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											Date
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	02/27/2024	



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Batch R343666		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		926	1000	0	92.6	90	110	02/27/2024

Batch R343666		SampType: DUP		Units mg/L				RPD Limit 10			
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								
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 SampID: LCS	SampType: LCS	Units mg/L								
										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
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		
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		
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		
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							
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							
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			Date Analyzed
SampID: 24020001-047ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20	H	1050				1008	4.46		

Batch R344178		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24030421-002ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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							
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			
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			
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			
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			Date Analyzed	
SampID: 24021018-007BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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							Date Analyzed
SampID: 24021046-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							Date Analyzed
SampID: 24021172-001JMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							
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							
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							
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							
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: 24020001-020FMSD												
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							
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							
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							
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							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	02/21/2024	

Batch	R343391	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		1.02	1.000	0	102.3	90	110	02/21/2024	

Batch R343391		SampType: MS		Units mg/L							
SampID: 24021454-003AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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			
SampID: 24021454-003AMSD											Date Analyzed
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							
SampID: 24021468-002BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
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			
SampID: 24021468-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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							
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	02/23/2024



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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: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Ammonia (as N)		0.10		0.98	1.000	0	98.2	90	110	02/23/2024	

Batch R343465		SampType: MS		Units mg/L							Date Analyzed
SampID: 24020901-002EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				RPD Limit 10			
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				RPD Limit 10			
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				RPD Limit 10			
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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Batch R343465		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24021516-007BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)			0.10		1.95	2.000	0.04100	95.6	1.919	1.70		

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

Batch R343465		SampType: MS		Units mg/L							
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				Date Analyzed
SampID: 24021551-002BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)			0.10		1.91	2.000	0	95.3	1.845	3.25		

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

Batch R343465		SampType: MS		Units mg/L							
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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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							Date Analyzed
SampID: 24021693-004DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0	94.9	90	110		

Batch R343465		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24021693-004DMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)				0.10		1.91	2.000	0	95.4	1.898	0.58	02/23/2024

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Batch R343137		SampType: MS		Units mg/L							
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					Date Analyzed	
SampID: 24020001-005BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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							
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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Batch R343198		SampType: MS		Units mg/L								Date
SampID: 24020001-004BMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.4	85	115			

Batch R343198		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24020001-004BMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
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
SampID: 24020001-013BMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.6	85	115			

Batch R343198		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24020001-013BMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.2	0.4780	0.63				02/16/2024

Batch R343316		SampType: MS		Units mg/L								Date
SampID: 24020001-025BMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	102.4	85	115			

Batch R343316		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24020001-025BMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
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
SampID: 24021571-001AMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	103.2	85	115			

Batch R343380		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24021571-001AMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
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

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Batch R343446		SampType: MS		Units mg/L						
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			
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							
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	
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	100.2	0.5000	0.20	02/22/2024

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Batch R343137		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	02/15/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/15/2024	

Batch R343137		SampType: LCS		Units mg/L							
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							
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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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										Date Analyzed	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	
02/16/2024											

Batch R343198		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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							Date
SampID: 24020001-042AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				RPD Limit 10			
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							Date
SampID: 24021461-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				RPD Limit 10			
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							Date
SampID: MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/21/2024	

Batch R343380		SampType: LCS		Units mg/L							Date
SampID: LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	104.4	90	110	02/21/2024	

Batch R343380		SampType: MS		Units mg/L							Date
SampID: 24021509-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	94.2	85	115	02/21/2024	

Batch R343380		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, 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						
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			
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							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	02/22/2024	

Batch R343446		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.32	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						
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			
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						
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



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Client Project: COF-24Q1

Work Order: 24020001
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STANDARD METHODS 4500-NO3 F (DISSOLVED) 2000, 2011

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							
SampID: 24020901-005BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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			Date Analyzed	
SampID: 24020901-005BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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							
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							
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							
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
SampID: 24021019-003AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021019-003AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: 24021083-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021083-004AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: 24021085-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021085-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: 24021127-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021127-001CMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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				RPD Limit 10			
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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.224	0.2500	0.01200	84.8	85	115	02/15/2024	

Batch R343164		SampType: MSD		Units mg/L				RPD Limit 10			
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											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
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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Batch R343269		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	
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							
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			Date Analyzed	
SampID: 24021298-006CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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							
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							
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							
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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Client Project: COF-24Q1

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Batch R343286		SampType: MS		Units mg/L							
SampID: 24021276-002AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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	
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							
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	
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							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate (as N)		0.050		< 0.050						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		
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		
Nitrogen, Nitrate-Nitrite (as N)			1.00		14.4	5.000	9.669	94.8	90	110	02/21/2024	



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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							
SampID: 24021461-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
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							
SampID: 24021509-001AMS										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
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							
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												Date Analyzed	
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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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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											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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				RPD Limit 10			
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				RPD Limit 10			
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				Date Analyzed
SampID: 24021615-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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							Date Analyzed
SampID: 24021660-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							
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							
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							
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

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9012A (TOTAL)

Batch 218736		SampType: MS		Units mg/L						
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			
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							
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							
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							
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			
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							
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			
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: 09-Apr-24

SW-846 9012A (TOTAL)

Batch 218790		SampType: MS		Units mg/L							
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			
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							
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							
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							
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			
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							
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							
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: 09-Apr-24

SW-846 9012A (TOTAL)

Batch 218850		SampType: MS		Units mg/L							
SampID: 24020001-004DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
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							
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		
Cyanide		0.005	S	< 0.005	0.0250	0	0	0	0.00	02/19/2024	

Batch 218851		SampType: MBLK		Units mg/L							
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							
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							
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			
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	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9012A (TOTAL)

Batch 218851		SampType: MS		Units mg/L							
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			
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							
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							
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							
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			
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							
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			
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: 09-Apr-24

SW-846 9012A (TOTAL)

Batch 218900		SampType: MBLK		Units mg/L							
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							
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							
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			
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							
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							
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							
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							
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: 09-Apr-24

SW-846 9012A (TOTAL)

Batch 219081		SampType: MS		Units mg/L							Date
SampID: 24020001-076DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24020001-076DMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: MBLK 240223 TCN2											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	02/26/2024	

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

Batch 219139		SampType: MS		Units mg/L							Date
SampID: 24020001-027EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24020001-027EMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: MBLK 240226 TCN1											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	02/27/2024	

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



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9012A (TOTAL)

Batch 219197		SampType: MS		Units mg/L						
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			
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							
SampID: 24020001-031BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		73	40.00	37.08	90.3	85	115	02/14/2024	

Batch R343078		SampType: MSD		Units mg/L		RPD Limit 10					
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							
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			
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							
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

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9036 (DISSOLVED)

Batch R343452		SampType: MSD		Units mg/L				RPD Limit 10			
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							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	02/14/2024	

Batch R343078		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	96.7	90	110	02/14/2024	

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

Batch R343078		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24020907-001AMSD											
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							
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			
SampID: 24020991-002BMSD											
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: 09-Apr-24

SW-846 9036 (TOTAL)

Batch R343078		SampType: MS		Units mg/L							Date
SampID: 24020991-010BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24020991-010BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	02/15/2024	

Batch R343142		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		19	20.00	0	96.7	90	110	02/15/2024	

Batch R343142		SampType: MS		Units mg/L							Date
SampID: 24021083-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021083-001AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	02/16/2024	

Batch R343209		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		19	20.00	0	94.5	90	110	02/16/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9036 (TOTAL)

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

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

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

Batch R343209		SampType: MS		Units mg/L							Date
SampID: 24021140-002AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021140-002AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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: 09-Apr-24

SW-846 9036 (TOTAL)

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

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

Batch R343255		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	02/19/2024	

Batch R343255		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		20	20.00	0	98.6	90	110	02/19/2024	

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

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



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Work Order: 24020001

Client Project: COF-24Q1

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

Batch R343255		SampType: MSD		Units mg/L				RPD Limit 10			
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
SampID: 24021218-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		228	100.0	135.7	92.4	85	115	02/19/2024	

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

Batch R343255		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
Sulfate			10		31	20.00	13.38	89.7	30.95	1.16	02/19/2024

Batch R343255		SampType: MS		Units mg/L							Date
SampID: 24021298-004BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
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

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Batch R343322		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	02/20/2024	

Batch R343322		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		20	20.00	0	99.7	90	110	02/20/2024	

Batch R343322		SampType: MS		Units mg/L							
SampID: 24021285-020BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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			
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							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	02/21/2024	

Batch R343392		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		19	20.00	0	92.6	90	110	02/21/2024	

Batch R343392		SampType: MS		Units mg/L							
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			
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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Work Order: 24020001

Client Project: COF-24Q1

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

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

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

Batch R343452		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	02/22/2024	

Batch R343452		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		18	20.00	0	92.5	90	110	02/22/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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

Batch R343452		SampType: MS		Units mg/L							Date
SampID: 24021616-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021616-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	02/23/2024	

Batch R343641		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		19	20.00	0	93.4	90	110	02/23/2024	

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



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Client Project: COF-24Q1

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SW-846 9036 (TOTAL)

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

Batch R343726		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	02/28/2024	

Batch R343726		SampType: MBLK		Units mg/L							Date
SampID: MBLK-219224											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate	*	10		< 10	6.140	0	0	-100	100	02/28/2024	

Batch R343726		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		18	20.00	0	90.6	90	110	02/28/2024	

Batch R343726		SampType: MS		Units mg/L							Date
SampID: 24010117-010AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24010117-010AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: 24021733-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	42	20.00	24.97	83.2	90	110	02/28/2024	



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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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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

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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

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9060A

Batch R343440		SampType: MBLK		Units mg/L							
SampID: MB-R343440											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9066 (TOTAL)

Batch R343277		SampType: MS		Units mg/L							Date
SampID: 24021110-001EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Phenols		0.005	S	0.057	0.0500	0	114.9	0.05712	0.56	02/19/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9066 (TOTAL)

Batch R343277		SampType: MS		Units mg/L							Date
SampID: 24021259-002EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
SampID: 24021259-002EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date 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											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
SampID: 24021260-002DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date 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											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	02/21/2024	

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9066 (TOTAL)

Batch R343421		SampType: MS		Units mg/L							Date
SampID: 24021361-001GMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021361-001GMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	02/23/2024	

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

Batch R343517		SampType: MS		Units mg/L							Date
SampID: 24021508-001GMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021508-001GMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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
SampID: 24021515-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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
SampID: 24021515-002BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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: 09-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											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005	S	0.055	0.0500	0	110.8	90	110	02/28/2024	

Batch R343691		SampType: MSD		Units mg/L				RPD Limit 15			
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				RPD Limit 15			
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				RPD Limit 15			
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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9214 (DISSOLVED)

Batch R343081		SampType: MS		Units mg/L							Date
SampID: 24020001-033BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
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
SampID: 24020001-007BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
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
SampID: 24020001-009BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
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
SampID: 24020001-019BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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			
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: 09-Apr-24

SW-846 9214 (DISSOLVED)

Batch R343192		SampType: MS		Units mg/L						
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			
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							
SampID: 24020001-045BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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		
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							
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			
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							
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: 09-Apr-24

SW-846 9214 (TOTAL)

Batch R343081		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.10		0.90	1.000	0	90.5	90	110	02/14/2024	

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

Batch R343081		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24020001-041AMSD											
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					RPD Limit 15		
SampID: 24020927-001AMSD											
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: 09-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							
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							
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							
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							
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

Report Date: 09-Apr-24

SW-846 9214 (TOTAL)

Batch R343192		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.10		0.96	1.000	0	96.2	90	110	02/16/2024	

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

Batch R343192		SampType: MSD		Units mg/L				RPD Limit 15			
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				RPD Limit 15			
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				RPD Limit 15			
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: 09-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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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

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

Batch R343237		SampType: MS		Units mg/L							
SampID: 24021285-022AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							
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							
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							
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							
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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							Date Analyzed
SampID: 24020001-101AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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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Work Order: 24020001

Client Project: COF-24Q1

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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: 09-Apr-24

SW-846 9251 (DISSOLVED)

Batch R343080		SampType: MS		Units mg/L							
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			
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							
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		
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							
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			
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

SW-846 9251 (TOTAL)

Batch R343080		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	02/14/2024	



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SW-846 9251 (TOTAL)

Batch R343080		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		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					RPD Limit 15		
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						RPD Limit 15		Date Analyzed
SampID: 24020936-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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: 09-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				Date Analyzed
SampID: 24020991-010BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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				Date Analyzed
SampID: 24021083-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8		65	40.00	29.17	90.1	65.20	0.02	02/15/2024		

Batch R343214		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	02/16/2024		

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

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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							
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							
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							
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							
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

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SW-846 9251 (TOTAL)

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

Batch R343256		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	02/19/2024	

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

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

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

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

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

Batch R343325		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	02/20/2024	



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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 9251 (TOTAL)

Batch R343325		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		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				RPD Limit 15			
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				RPD Limit 15			
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				RPD Limit 15			
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

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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							
SampID: 24021285-020BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							
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							
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	98.2	90	110	02/21/2024	

Batch R343454		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	02/22/2024	

Batch R343454		SampType: LCS		Units mg/L							
SampID: ICB/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							
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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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							
SampID: 24021615-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							
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							
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							
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							Date Analyzed
SampID: 24021615-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		145	100.0	43.79	100.8	85	115	02/23/2024	



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SW-846 9251 (TOTAL)

Batch R343643		SampType: MSD		Units mg/L				RPD Limit 15			
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							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	02/28/2024		

Batch R343732		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	100.0	90	110	02/28/2024	

Batch R343732		SampType: MS		Units mg/L							
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			
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							
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			
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							Date Analyzed
SampID: 24021484-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	E	55	20.00	37.53	88.0	85	115	02/28/2024	



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Batch R343732		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24021484-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chloride			4	E	56	20.00	37.53	91.9	55.14	1.39	02/28/2024

Batch R343732		SampType: MS		Units mg/L							Date Analyzed
SampID: 24021733-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		39	20.00	21.72	86.2	85	115	02/28/2024	

Batch R343732		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24021733-001AMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
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							
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			Date Analyzed
SampID: 24020991-002FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
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



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Client Project: COF-24Q1

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SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218757 SampType: MS Units mg/L

SampleID: 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

SampleID: 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: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218758 SampType: MBLK Units mg/L

SampleID: 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: 09-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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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: 09-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						
SampleID: 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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218795		SampType: LCS		Units mg/L						
SampID: 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						
SampID: 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			
SampID: 24021494-003FMSD											
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: 09-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: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (DISSOLVED)

Batch 218862		SampType: LCS		Units mg/L							
SampID: LCS-218862											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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							Date Analyzed
SampID: 24020001-098DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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					RPD Limit		20
SampID: 24020001-098DMSD											
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: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218746		SampType: MBLK		Units mg/L							
SampID: MBLK-218746											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	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: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218807 SampType: LCS Units mg/L

SampleID: 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

SampleID: 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

RPD Limit 20

SampleID: 24020001-005CMSD

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

SampleID: 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

RPD Limit 20

SampleID: 24020001-060BMSD

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: 09-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		
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						
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						
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
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						
SampID: 24020001-071BMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
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: 09-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

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 218955 SampType: MS Units mg/L

SampleID: 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

SampleID: 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

SampleID: 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

SampleID: 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

SampleID: 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: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219022		SampType: LCS		Units mg/L							
SampID: LCS-219022											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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					RPD Limit		20
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					RPD Limit 20			
SampID: 24020001-079BMSD										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
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: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219043		SampType: MBLK		Units mg/L						
SampID: MBLK-219043										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	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										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
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										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
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: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219043		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 24020001-099CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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							Date Analyzed
SampID: MBLK-219088											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	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: 09-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											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
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										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
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: 09-Apr-24

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 219145		SampType: MBLK		Units mg/L							
SampID: MBLK-219145											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100		
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100		
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100		
Potassium		0.100		< 0.100	0.0400	0	0	-100	100		
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100		

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				RPD Limit 20				
SampID: 24020001-083BMSD										
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: 09-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							Date Analyzed
SampID: MBLK-219339											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	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

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218757		SampType: MBLK		Units µg/L							
SampID: MBLK-218757											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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: 09-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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218758		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-218758												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	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: 09-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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218795		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-218795												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100			
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100			
Barium		1.0		< 1.0	0.7000	0	0	-100	100			
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100			
Boron		25.0		< 25.0	9.250	0	0	-100	100			
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100			
Chromium		1.5		< 1.5	0.7000	0	0	-100	100			
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100			
Copper		1.0		< 1.0	0.3000	0	0	-100	100			
Iron		25.0		< 25.0	11.50	0	0	-100	100			
Lead		1.0		< 1.0	0.6000	0	0	-100	100			
Manganese		2.0		< 2.0	0.7500	0	0	-100	100			
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100			
Nickel		1.0		< 1.0	0.4300	0	0	-100	100			
Selenium		1.0		< 1.0	0.6000	0	0	-100	100			
Silver		1.0		< 1.0	0.1000	0	0	-100	100			
Thallium		2.0		< 2.0	0.9500	0	0	-100	100			
Vanadium		5.0		< 5.0	5.000	0	0	-100	100			
Zinc		15.0		< 15.0	5.900	0	0	-100	100			



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218861		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-218861												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100			
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100			
Barium		1.0		< 1.0	0.7000	0	0	-100	100			
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100			
Boron		25.0		< 25.0	9.250	0	0	-100	100			
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100			
Chromium		1.5		< 1.5	0.7000	0	0	-100	100			
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100			
Copper		1.0		< 1.0	0.3000	0	0	-100	100			
Iron		25.0		< 25.0	11.50	0	0	-100	100			
Lead		1.0		< 1.0	0.6000	0	0	-100	100			
Manganese		2.0		< 2.0	0.7500	0	0	-100	100			
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100			
Nickel		1.0		< 1.0	0.4300	0	0	-100	100			
Selenium		1.0		< 1.0	0.6000	0	0	-100	100			
Selenium		1.0		< 1.0	0.6000	0	0	-100	100			
Silver		1.0		< 1.0	0.1000	0	0	-100	100			
Silver		1.0		< 1.0	0.1000	0	0	-100	100			
Thallium		2.0		< 2.0	0.9500	0	0	-100	100			
Vanadium		5.0		< 5.0	5.000	0	0	-100	100			
Zinc		15.0		< 15.0	5.900	0	0	-100	100			



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218861 SampType: LCS

Units µg/L

SampleID: 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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	218861	SampType:	MSD	Units	µg/L	RPD Limit 20				
SampID: 24020001-026CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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: 09-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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	218861	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24020001-086DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218862		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-218862												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100			
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100			
Barium		1.0		< 1.0	0.7000	0	0	-100	100			
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100			
Boron		25.0		< 25.0	9.250	0	0	-100	100			
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100			
Chromium		1.5		< 1.5	0.7000	0	0	-100	100			
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100			
Copper		1.0		< 1.0	0.3000	0	0	-100	100			
Iron		25.0		< 25.0	11.50	0	0	-100	100			
Lead		1.0		< 1.0	0.6000	0	0	-100	100			
Manganese		2.0		< 2.0	0.7500	0	0	-100	100			
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100			
Nickel		1.0		< 1.0	0.4300	0	0	-100	100			
Selenium		1.0		< 1.0	0.6000	0	0	-100	100			
Silver		1.0		< 1.0	0.1000	0	0	-100	100			
Thallium		2.0		< 2.0	0.9500	0	0	-100	100			
Vanadium		5.0		< 5.0	5.000	0	0	-100	100			
Zinc		15.0		< 15.0	5.900	0	0	-100	100			



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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: 09-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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	218862	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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 218972		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-218972												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	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: 09-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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	218972	SampType:	MSD	Units			µg/L	RPD Limit			20
SampID: 24020001-025DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	219032	SampType:	MBLK	Units µg/L							
SampID:	MBLK-219032										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/24/2024	
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	02/24/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/24/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	02/24/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/24/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/24/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/24/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	02/24/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/24/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	02/24/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/24/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/24/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/26/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/24/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/24/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/24/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/24/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/24/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	02/24/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	02/27/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/24/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/24/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/24/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/24/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/24/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/24/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/24/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	02/24/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/24/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/24/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/24/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	02/24/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/24/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/24/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/24/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/24/2024	



Quality Control Results

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

Client: Ramboll

Client Project: COF-24Q1

Work Order: 24020001

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)										
Batch 219032		SampType: MBLK		Units µg/L						
SampID: 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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 219032 SampType: LCS

Units µg/L

SampleID: LCS-219032

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1760	2000	0	88.1	80	120	02/24/2024
Aluminum		25.0		1760	2000	0	88.1	80	120	02/24/2024
Antimony		1.0		446	500.0	0	89.3	80	120	02/24/2024
Antimony		1.0		446	500.0	0	89.3	80	120	02/24/2024
Arsenic		1.0		476	500.0	0	95.1	80	120	02/24/2024
Arsenic		1.0		476	500.0	0	95.1	80	120	02/24/2024
Barium		1.0		1870	2000	0	93.6	80	120	02/24/2024
Barium		1.0		1870	2000	0	93.6	80	120	02/24/2024
Beryllium		1.0		45.1	50.00	0	90.2	80	120	02/24/2024
Beryllium		1.0		45.1	50.00	0	90.2	80	120	02/24/2024
Boron		25.0		428	500.0	0	85.7	80	120	02/24/2024
Boron		25.0		428	500.0	0	85.7	80	120	02/24/2024
Cadmium		1.0		49.1	50.00	0	98.1	80	120	02/26/2024
Chromium		1.5		175	200.0	0	87.3	80	120	02/24/2024
Chromium		1.5		175	200.0	0	87.3	80	120	02/24/2024
Cobalt		1.0		431	500.0	0	86.2	80	120	02/24/2024
Cobalt		1.0		431	500.0	0	86.2	80	120	02/24/2024
Copper		1.0		225	250.0	0	90.1	80	120	02/24/2024
Copper		1.0		225	250.0	0	90.1	80	120	02/24/2024
Iron		25.0		2200	2000	0	109.9	80	120	02/26/2024
Lead		1.0		437	500.0	0	87.4	80	120	02/24/2024
Lead		1.0		437	500.0	0	87.4	80	120	02/24/2024
Manganese		2.0		453	500.0	0	90.7	80	120	02/24/2024
Manganese		2.0		453	500.0	0	90.7	80	120	02/24/2024
Molybdenum		1.5		415	500.0	0	83.0	80	120	02/24/2024
Molybdenum		1.5		415	500.0	0	83.0	80	120	02/24/2024
Nickel		1.0		441	500.0	0	88.1	80	120	02/24/2024
Nickel		1.0		441	500.0	0	88.1	80	120	02/24/2024
Selenium		1.0		467	500.0	0	93.3	80	120	02/24/2024
Selenium		1.0		467	500.0	0	93.3	80	120	02/24/2024
Silver		1.0		45.6	50.00	0	91.3	80	120	02/24/2024
Silver		1.0		45.6	50.00	0	91.3	80	120	02/24/2024
Thallium		2.0		217	250.0	0	86.8	80	120	02/24/2024
Thallium		2.0		217	250.0	0	86.8	80	120	02/24/2024
Vanadium		5.0		437	500.0	0	87.4	80	120	02/24/2024
Vanadium		5.0		437	500.0	0	87.4	80	120	02/24/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 219032		SampType: LCS		Units µg/L							
SampID: LCS-219032											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Zinc		15.0		462	500.0	0	92.4	80	120	02/24/2024	
Zinc		15.0		462	500.0	0	92.4	80	120	02/24/2024	

Batch 219032		SampType: MS		Units µg/L							
SampID: 24020001-052DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1850	2000	0	92.5	75	125	02/24/2024	
Antimony		1.0		459	500.0	0	91.8	75	125	02/24/2024	
Arsenic		1.0		510	500.0	0.9669	101.8	75	125	02/24/2024	
Barium		1.0		1880	2000	32.16	92.2	75	125	02/24/2024	
Beryllium		1.0		46.9	50.00	0	93.7	75	125	02/24/2024	
Boron		25.0		4190	500.0	3757	87.0	75	125	02/26/2024	
Cadmium		1.0		49.1	50.00	0.2298	97.8	75	125	02/26/2024	
Chromium		1.5		167	200.0	0.7953	82.9	75	125	02/24/2024	
Cobalt		1.0		424	500.0	0.1729	84.9	75	125	02/24/2024	
Copper		1.0		215	250.0	0.9127	85.7	75	125	02/24/2024	
Iron		25.0		1990	2000	23.60	98.3	75	125	02/26/2024	
Lead		1.0		441	500.0	0	88.1	75	125	02/24/2024	
Manganese		2.0		642	500.0	195.0	89.4	75	125	02/24/2024	
Molybdenum		1.5		438	500.0	0	87.6	75	125	02/24/2024	
Nickel		1.0		430	500.0	7.514	84.6	75	125	02/24/2024	
Selenium		1.0		469	500.0	1.789	93.5	75	125	02/24/2024	
Silver		1.0	S	11.5	50.00	0	23.1	75	125	02/24/2024	
Thallium		2.0		220	250.0	0	87.9	75	125	02/24/2024	
Vanadium		5.0		438	500.0	0	87.6	75	125	02/24/2024	
Zinc		15.0		451	500.0	0	90.1	75	125	02/24/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch	219032	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24020001-052DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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: 09-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

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch 219032		SampType: MSD		Units µg/L			RPD Limit 20			
SampleID: 24020001-087DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		1930	2000	36.13	94.8	1799	7.12	02/24/2024
Antimony		1.0		464	500.0	0	92.8	460.1	0.86	02/24/2024
Arsenic		1.0		477	500.0	0.4123	95.2	490.4	2.84	02/24/2024
Barium		1.0		1880	2000	51.65	91.6	1830	2.90	02/24/2024
Beryllium		1.0		46.2	50.00	0	92.4	47.22	2.21	02/24/2024
Boron		25.0		780	500.0	331.4	89.8	782.9	0.32	02/24/2024
Cadmium		1.0		48.1	50.00	0.2548	95.8	49.36	2.49	02/27/2024
Chromium		1.5		170	200.0	1.146	84.2	170.3	0.38	02/24/2024
Cobalt		1.0		420	500.0	0.5539	83.9	419.0	0.27	02/24/2024
Copper		1.0		215	250.0	0.6777	85.8	218.0	1.34	02/24/2024
Iron		25.0		2050	2000	156.1	94.8	2129	3.66	02/27/2024
Lead		1.0		441	500.0	0	88.1	453.3	2.87	02/24/2024
Manganese		2.0		1000	500.0	568.2	87.3	1023	1.79	02/24/2024
Molybdenum		1.5		415	500.0	0.9292	82.8	414.6	0.03	02/24/2024
Nickel		1.0		457	500.0	2.470	90.9	435.8	4.72	03/01/2024
Selenium		1.0		450	500.0	3.405	89.3	461.4	2.49	02/24/2024
Silver		1.0		46.3	50.00	0	92.6	43.18	7.00	02/24/2024
Thallium		2.0		241	250.0	0	96.3	237.8	1.21	02/27/2024
Vanadium		5.0		426	500.0	0	85.3	437.8	2.64	02/24/2024
Zinc		15.0		471	500.0	0	94.1	457.3	2.86	02/24/2024

Batch 219817		SampType: MBLK		Units µg/L						
SampID: MBLK-219817										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	03/13/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	03/13/2024

Batch 219817		SampType: LCS		Units µg/L						
SampID: LCS-219817										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		458	500.0	0	91.7	80	120	03/13/2024
Zinc		15.0		424	500.0	0	84.8	80	120	03/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (DISSOLVED)

Batch R343697		SampType: MS		Units µg/L							
SampID: 24020001-098DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Zinc		15.0	S	612	500.0	3841	-645.8	75	125	02/28/2024	

Batch R343697		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
Zinc			15.0	S	562	500.0	3841	-655.7	611.9	8.42	02/28/2024

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218746		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-218746											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100		02/16/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100		02/16/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100		02/16/2024
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		02/16/2024
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		02/16/2024
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		02/16/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100		02/19/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100		02/19/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100		02/20/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100		02/16/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100		02/16/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100		02/16/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100		02/22/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100		02/16/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100		02/16/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100		02/16/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100		02/16/2024
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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218746		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-218746												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		2240	2000	0	112.0	80	120			
Antimony		1.0		518	500.0	0	103.6	80	120			
Arsenic		1.0		525	500.0	0	105.0	80	120			
Barium		1.0		2190	2000	0	109.3	80	120			
Beryllium		1.0		52.5	50.00	0	104.9	80	120			
Boron		25.0		524	500.0	0	104.9	80	120			
Cadmium		1.0		50.2	50.00	0	100.4	80	120			
Chromium		1.5		208	200.0	0	103.8	80	120			
Cobalt		1.0		501	500.0	0	100.3	80	120			
Copper		1.0		260	250.0	0	104.0	80	120			
Iron		25.0		2180	2000	0	108.9	80	120			
Lead		1.0		543	500.0	0	108.6	80	120			
Lithium	*	3.0		510	500.0	0	102.0	80	120			
Manganese		2.0		540	500.0	0	108.0	80	120			
Molybdenum		1.5		494	500.0	0	98.8	80	120			
Nickel		1.0		549	500.0	0	109.8	80	120			
Selenium		1.0		498	500.0	0	99.6	80	120			
Silver		1.0		51.0	50.00	0	102.0	80	120			
Silver		1.0		51.7	50.00	0	103.3	80	120			
Thallium		2.0		266	250.0	0	106.4	80	120			
Vanadium		5.0		512	500.0	0	102.4	80	120			
Zinc		15.0		542	500.0	0	108.5	80	120			



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	218746	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24020001-032CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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: 09-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		
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: 09-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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218807		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24020001-005CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		2520	2000	382.6	107.0	2487	1.39	02/21/2024
Antimony		1.0		563	500.0	0	112.6	556.4	1.19	02/22/2024
Arsenic		1.0		577	500.0	0	115.5	580.8	0.60	02/21/2024
Barium		1.0		2290	2000	65.43	111.1	2248	1.71	02/21/2024
Beryllium		1.0		55.1	50.00	0	110.3	56.54	2.49	02/21/2024
Boron		25.0		532	500.0	10.47	104.3	570.2	6.95	02/19/2024
Cadmium		1.0		56.2	50.00	0	112.5	55.50	1.33	02/21/2024
Chromium		1.5		208	200.0	2.523	102.9	207.6	0.33	02/19/2024
Cobalt		1.0		506	500.0	0	101.2	515.7	1.89	02/21/2024
Copper		1.0		252	250.0	0.8241	100.5	242.6	3.85	02/19/2024
Iron		25.0		2430	2000	375.2	102.6	2548	4.86	02/19/2024
Lead		1.0		553	500.0	0	110.5	555.1	0.43	02/21/2024
Manganese		2.0		546	500.0	16.46	106.0	543.9	0.43	02/19/2024
Molybdenum		1.5		485	500.0	0	96.9	487.1	0.53	02/19/2024
Selenium		1.0		566	500.0	3.144	112.6	562.3	0.72	02/21/2024
Silver		1.0		57.6	50.00	0	115.1	54.00	6.39	02/21/2024
Thallium		2.0		272	250.0	0	109.0	248.5	9.18	02/19/2024
Vanadium		5.0		520	500.0	0	104.0	517.6	0.44	02/19/2024

Batch 218847		SampType: MBLK		Units µg/L						
SampID: MBLK-218847										
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	02/21/2024
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
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	02/22/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/21/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/21/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	02/21/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/21/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/21/2024
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	02/21/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	02/21/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218847		SampType: LCS		Units µg/L							
SampID: LCS-218847											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		527	500.0	0	105.4	80	120	02/21/2024	
Arsenic		1.0		560	500.0	0	112.1	80	120	02/21/2024	
Barium		1.0		2080	2000	0	104.1	80	120	02/21/2024	
Beryllium		1.0		51.2	50.00	0	102.5	80	120	02/21/2024	
Cadmium		1.0		52.6	50.00	0	105.2	80	120	02/21/2024	
Cobalt		1.0		515	500.0	0	103.0	80	120	02/21/2024	
Lithium	*	3.0		491	500.0	0	98.2	80	120	02/21/2024	
Manganese		2.0		513	500.0	0	102.5	80	120	02/21/2024	
Molybdenum		1.5		483	500.0	0	96.5	80	120	02/21/2024	
Selenium		1.0		551	500.0	0	110.1	80	120	02/21/2024	
Silver		1.0		51.7	50.00	0	103.4	80	120	02/21/2024	
Thallium		2.0		225	250.0	0	90.0	80	120	02/22/2024	
Vanadium		5.0		501	500.0	0	100.2	80	120	02/22/2024	

Batch 218847		SampType: MS		Units µg/L						
SampID: 24020001-071BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		534	500.0	0	106.8	75	125	02/22/2024
Arsenic		1.0		542	500.0	0	108.3	75	125	02/22/2024
Barium		1.0		2080	2000	17.53	103.1	75	125	02/22/2024
Cadmium		1.0		52.8	50.00	0	105.6	75	125	02/22/2024
Molybdenum		1.5		493	500.0	0	98.7	75	125	02/22/2024
Selenium		1.0		526	500.0	0	105.2	75	125	02/22/2024

Batch 218847		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24020001-071BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		517	500.0	0	103.5	534.0	3.16	02/22/2024
Arsenic		1.0		540	500.0	0	108.0	541.7	0.27	02/22/2024
Barium		1.0		2030	2000	17.53	100.4	2079	2.60	02/22/2024
Cadmium		1.0		50.1	50.00	0	100.3	52.80	5.19	02/22/2024
Molybdenum		1.5		467	500.0	0	93.5	493.5	5.45	02/22/2024
Selenium		1.0		536	500.0	0	107.2	525.9	1.86	02/22/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218873		SampType: MBLK		Units µg/L							
SampID: MBLK-218873											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	S	1.1	0.4500	0	240.4	-100	100	02/20/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	02/20/2024	
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	02/20/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	02/20/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	02/20/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	02/20/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	02/20/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	02/20/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	02/20/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	02/20/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	02/20/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	02/20/2024	

Batch 218873		SampType: LCS		Units µg/L							
SampID: LCS-218873											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	B	509	500.0	0	101.8	80	120	02/20/2024	
Arsenic		1.0		523	500.0	0	104.6	80	120	02/20/2024	
Barium		1.0		2190	2000	0	109.3	80	120	02/20/2024	
Beryllium		1.0		53.8	50.00	0	107.5	80	120	02/20/2024	
Boron		25.0		509	500.0	0	101.7	80	120	02/20/2024	
Cadmium		1.0		50.0	50.00	0	99.9	80	120	02/20/2024	
Chromium		1.5		193	200.0	0	96.4	80	120	02/20/2024	
Cobalt		1.0		493	500.0	0	98.6	80	120	02/20/2024	
Lead		1.0		518	500.0	0	103.6	80	120	02/20/2024	
Lithium	*	3.0		505	500.0	0	101.0	80	120	02/20/2024	
Molybdenum		1.5		452	500.0	0	90.4	80	120	02/20/2024	
Selenium		1.0		508	500.0	0	101.6	80	120	02/20/2024	
Thallium		2.0		233	250.0	0	93.1	80	120	02/20/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	218955	SampType:	MBLK	Units	µg/L						
SampleID:	MBLK-218955										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	218955	SampType:	LCS	Units µg/L						
SampleID:		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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218955		SampType: MS		Units µg/L							Date Analyzed	
SampID: 24020001-045CMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	218955	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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 218955		SampType: MS		Units µg/L							Date Analyzed	
SampID: 24020001-100CMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	218955	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24020001-100CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219022 SampType: MBLK Units µg/L

SampleID: 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

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	219022	SampType:	MS	Units		µg/L					
SampID:		24020001-052CMS									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	219022	SampType:	MSD	Units	µg/L	RPD Limit 20				
SampID: 24020001-052CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
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

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219022		SampType: MS		Units µg/L							
SampID: 24020001-079BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	B	560	500.0	0	112.0	75	125	02/27/2024	
Arsenic		1.0		564	500.0	0	112.9	75	125	02/24/2024	
Barium		1.0		2280	2000	11.82	113.4	75	125	02/24/2024	
Beryllium		1.0		46.8	50.00	0	93.6	75	125	02/24/2024	
Boron		25.0		613	500.0	94.90	103.6	75	125	02/27/2024	
Cadmium		1.0		49.2	50.00	0	98.4	75	125	02/24/2024	
Chromium		1.5		196	200.0	1.774	97.2	75	125	02/24/2024	
Cobalt		1.0		479	500.0	0.4253	95.8	75	125	02/24/2024	
Lead		1.0		513	500.0	0	102.7	75	125	02/24/2024	
Lithium	*	3.0		477	500.0	36.01	88.3	75	125	02/24/2024	
Molybdenum		1.5		535	500.0	1.363	106.8	75	125	02/27/2024	
Selenium		1.0		545	500.0	0	109.0	75	125	02/27/2024	
Thallium		2.0		247	250.0	0	98.8	75	125	02/24/2024	

Batch 219022		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24020001-079BMSD											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		1.0	B	556	500.0	0	111.1	560.0	0.77	02/27/2024	
Arsenic		1.0		548	500.0	0	109.7	564.4	2.86	02/24/2024	
Barium		1.0		2170	2000	11.82	108.1	2279	4.72	02/24/2024	
Beryllium		1.0		45.6	50.00	0	91.2	46.80	2.60	02/24/2024	
Boron		25.0		605	500.0	94.90	101.9	612.9	1.35	02/27/2024	
Cadmium		1.0		46.8	50.00	0	93.5	49.18	5.05	02/24/2024	
Chromium		1.5		192	200.0	1.774	94.9	196.3	2.42	02/24/2024	
Cobalt		1.0		473	500.0	0.4253	94.5	479.3	1.38	02/24/2024	
Lead		1.0		507	500.0	0	101.3	513.5	1.35	02/24/2024	
Lithium	*	3.0		462	500.0	36.01	85.1	477.5	3.38	02/24/2024	
Molybdenum		1.5		528	500.0	1.363	105.3	535.5	1.47	02/27/2024	
Selenium		1.0		531	500.0	0	106.2	544.9	2.57	02/27/2024	
Thallium		2.0		242	250.0	0	96.9	247.1	2.00	02/24/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043 SampType: MBLK Units µg/L

SampleID: 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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-219043												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043		SampType: MS		Units µg/L						
SampID: 24020001-060BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		501	500.0	0	100.2	75	125	02/23/2024
Arsenic		1.0		516	500.0	1.193	103.0	75	125	02/23/2024
Barium		1.0		1950	2000	15.56	96.6	75	125	02/23/2024
Beryllium		1.0		48.4	50.00	0	96.9	75	125	02/23/2024
Boron		25.0		2820	500.0	2278	107.3	75	125	02/27/2024
Cadmium		1.0		47.1	50.00	0	94.1	75	125	02/23/2024
Chromium		1.5		181	200.0	0	90.3	75	125	02/23/2024
Cobalt		1.0		444	500.0	1.078	88.5	75	125	02/23/2024
Lead		1.0		515	500.0	0	103.0	75	125	02/27/2024
Lithium	*	3.0		482	500.0	28.84	90.6	75	125	02/23/2024
Molybdenum		1.5		443	500.0	1.932	88.2	75	125	02/23/2024
Selenium		1.0		483	500.0	0	96.6	75	125	02/23/2024
Thallium		2.0		259	250.0	0	103.6	75	125	02/26/2024

Batch 219043		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24020001-060BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		513	500.0	0	102.6	501.0	2.33	02/23/2024
Arsenic		1.0		512	500.0	1.193	102.2	516.3	0.82	02/23/2024
Barium		1.0		1980	2000	15.56	98.0	1948	1.40	02/23/2024
Beryllium		1.0		49.4	50.00	0	98.7	48.43	1.91	02/23/2024
Boron		25.0	S	3290	500.0	2278	201.6	2815	15.45	02/27/2024
Cadmium		1.0		48.7	50.00	0	97.5	47.06	3.51	02/23/2024
Chromium		1.5		181	200.0	0	90.7	180.6	0.43	02/23/2024
Cobalt		1.0		447	500.0	1.078	89.1	443.6	0.70	02/23/2024
Lead		1.0		593	500.0	0	118.6	515.2	14.00	02/27/2024
Lithium	*	3.0		489	500.0	28.84	92.1	482.0	1.53	02/23/2024
Molybdenum		1.5		452	500.0	1.932	90.1	442.9	2.12	02/23/2024
Selenium		1.0		490	500.0	0	98.1	483.2	1.45	02/23/2024
Thallium		2.0		250	250.0	0	99.8	259.0	3.70	02/26/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043 SampType: MS Units µg/L

SampleID: 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: 09-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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219043		SampType: MS		Units µg/L							Date Analyzed
SampID: 24020001-099CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	219043	SampType:	MSD	Units	µg/L	RPD Limit 20				
SampID: 24020001-099CMSD										
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

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	219088	SampType:	MBLK	Units	µg/L						
SampleID:	MBLK-219088										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219088		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-219088												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219088 SampType: MS Units µg/L

SampleID: 24020001-103CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date 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

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch	219088	SampType:	MSD	Units µg/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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219115		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-219115											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	03/01/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	03/01/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	03/01/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	03/04/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	03/01/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	03/01/2024	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	03/01/2024	
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	03/01/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	03/01/2024	
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	03/01/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	03/01/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	03/01/2024	

Batch 219115		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-219115											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2020	2000	0	100.8	80	120	03/01/2024	
Arsenic		1.0		571	500.0	0	114.1	80	120	03/01/2024	
Beryllium		1.0		51.6	50.00	0	103.2	80	120	03/01/2024	
Boron		25.0		492	500.0	0	98.4	80	120	03/04/2024	
Chromium		1.5		207	200.0	0	103.3	80	120	03/01/2024	
Cobalt		1.0		515	500.0	0	102.9	80	120	03/01/2024	
Copper		1.0		269	250.0	0	107.6	80	120	03/01/2024	
Iron		25.0		2120	2000	0	105.8	80	120	03/04/2024	
Lead		1.0		500	500.0	0	100.1	80	120	03/01/2024	
Lithium	*	3.0		489	500.0	0	97.7	80	120	03/01/2024	
Molybdenum		1.5		492	500.0	0	98.4	80	120	03/04/2024	
Nickel		1.0		519	500.0	0	103.9	80	120	03/01/2024	
Thallium		2.0		216	250.0	0	86.6	80	120	03/01/2024	
Zinc		15.0		540	500.0	0	108.0	80	120	03/01/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219115 SampType: MS Units µg/L

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

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

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

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

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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219117 SampType: LCS Units µg/L

SampleID: LCS-219117

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	02/28/2024
Boron		25.0		495	500.0	0	98.9	80	120	02/28/2024
Lead		1.0		511	500.0	0	102.2	80	120	02/28/2024
Molybdenum		1.5		470	500.0	0	94.0	80	120	02/28/2024
Nickel		1.0		496	500.0	0	99.1	80	120	02/28/2024
Zinc		15.0		526	500.0	0	105.1	80	120	02/28/2024

Batch 219117 SampType: MS Units µg/L

SampleID: 24020001-005CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		472	500.0	0.7688	94.2	75	125	02/28/2024
Zinc		15.0		513	500.0	0	102.6	75	125	02/28/2024

Batch 219117 SampType: MSD Units µg/L

SampleID: 24020001-005CMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nickel		1.0		488	500.0	0.7688	97.5	471.6	3.51	02/28/2024
Zinc		15.0		532	500.0	0	106.3	513.1	3.54	02/28/2024

Batch 219145 SampType: MBLK Units µg/L

SampleID: MBLK-219145

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		< 25.0	9.250	0	0	-100	100	03/01/2024

Batch 219145 SampType: LCS Units µg/L

SampleID: LCS-219145

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		468	500.0	0	93.6	80	120	03/01/2024

Batch 219145 SampType: MS Units µg/L

SampleID: 24020001-083BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0	S	16900	500.0	16010	174.5	75	125	03/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219145		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24020001-083BMSD											
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							Date Analyzed
SampID: MBLK-219241											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	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						
SampID: LCS-219241										
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						
SampID: 24020001-097CMS										
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				RPD Limit 20		
SampID: 24020001-097CMSD										
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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219241 SampType: MS Units µg/L

SampID: 24020001-103CMS

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

Batch 219241 SampType: MSD Units µg/L

SampID: 24020001-103CMSD

RPD Limit 20

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

Batch 219339 SampType: MBLK Units µg/L

SampID: MBLK-219339

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: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219339		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-219339											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		483	500.0	0	96.6	80	120	03/04/2024	
Arsenic		1.0		512	500.0	0	102.3	80	120	03/04/2024	
Barium		1.0		1900	2000	0	95.0	80	120	03/04/2024	
Beryllium		1.0		54.6	50.00	0	109.1	80	120	03/04/2024	
Boron		25.0		526	500.0	0	105.1	80	120	03/04/2024	
Cadmium		1.0		50.5	50.00	0	100.9	80	120	03/04/2024	
Chromium		1.5		196	200.0	0	98.2	80	120	03/04/2024	
Cobalt		1.0		489	500.0	0	97.9	80	120	03/04/2024	
Copper		1.0	B	252	250.0	0	100.8	80	120	03/04/2024	
Iron		25.0		2110	2000	0	105.6	80	120	03/05/2024	
Lead		1.0		471	500.0	0	94.2	80	120	03/04/2024	
Lithium	*	3.0		530	500.0	0	106.0	80	120	03/04/2024	
Manganese		2.0		490	500.0	0	98.0	80	120	03/04/2024	
Molybdenum		1.5		462	500.0	0	92.4	80	120	03/04/2024	
Nickel		1.0	B	496	500.0	0	99.2	80	120	03/04/2024	
Selenium		1.0		493	500.0	0	98.6	80	120	03/04/2024	
Silver		1.0		52.9	50.00	0	105.7	80	120	03/04/2024	
Thallium		2.0		221	250.0	0	88.4	80	120	03/04/2024	
Zinc		15.0	B	481	500.0	0	96.2	80	120	03/04/2024	

Batch 219339		SampType: MS		Units µg/L						
SampID: 24021482-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		455	500.0	0	91.0	75	125	03/04/2024
Arsenic		1.0		506	500.0	23.19	96.5	75	125	03/04/2024
Barium		1.0		2070	2000	286.4	89.2	75	125	03/04/2024
Beryllium		1.0		48.5	50.00	0	97.1	75	125	03/04/2024
Boron		25.0		860	500.0	386.2	94.7	75	125	03/04/2024
Cadmium		1.0		47.4	50.00	0	94.8	75	125	03/04/2024
Chromium		1.5		177	200.0	1.834	87.8	75	125	03/04/2024
Cobalt		1.0		440	500.0	0.1418	87.9	75	125	03/04/2024
Lead		1.0		439	500.0	0	87.8	75	125	03/04/2024
Lithium	*	3.0		461	500.0	2.718	91.7	75	125	03/04/2024
Molybdenum		1.5		438	500.0	0	87.7	75	125	03/04/2024
Selenium		1.0		471	500.0	0	94.2	75	125	03/04/2024
Thallium		2.0		213	250.0	0	85.3	75	125	03/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)

Batch 219339		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24021482-005BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		463	500.0	0	92.7	455.2	1.80	03/04/2024
Arsenic		1.0		526	500.0	23.19	100.6	505.6	3.97	03/04/2024
Barium		1.0		2140	2000	286.4	92.5	2071	3.12	03/04/2024
Beryllium		1.0		48.6	50.00	0	97.3	48.53	0.22	03/04/2024
Boron		25.0		801	500.0	386.2	82.9	859.8	7.12	03/04/2024
Cadmium		1.0		47.7	50.00	0	95.5	47.40	0.73	03/04/2024
Chromium		1.5		183	200.0	1.834	90.6	177.4	3.14	03/04/2024
Cobalt		1.0		468	500.0	0.1418	93.6	439.6	6.29	03/04/2024
Lead		1.0		449	500.0	0	89.8	439.1	2.24	03/04/2024
Lithium	*	3.0		470	500.0	2.718	93.5	461.2	1.89	03/04/2024
Molybdenum		1.5		445	500.0	0	88.9	438.3	1.46	03/04/2024
Selenium		1.0		485	500.0	0	96.9	471.0	2.86	03/04/2024
Thallium		2.0		220	250.0	0	88.1	213.2	3.29	03/04/2024

Batch 219815		SampType: MBLK		Units µg/L							
SampID: MBLK-219815											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	03/13/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	03/13/2024	

Batch 219815		SampType: LCS		Units µg/L						
SampID: LCS-219815										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nickel		1.0		514	500.0	0	102.8	80	120	03/13/2024
Zinc		15.0		480	500.0	0	95.9	80	120	03/13/2024

SW-846 7470A (DISSOLVED)

Batch 218799		SampType: MS		Units µg/L							Date Analyzed
SampID: 24020001-012DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.20	5.000	0	83.9	75	125	02/16/2024	

Batch 218799		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24020001-012DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.19	5.000	0	83.7	4.195	0.21	02/16/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 7470A (DISSOLVED)

Batch 218860		SampType: MS		Units µg/L							
SampID: 24020001-014CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.05	5.000	0	101.0	75	125	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: 09-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			Date Analyzed
SampID: 24020001-039CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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								Date Analyzed
SampID: MBLK-218799												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.20		< 0.20	0.0550	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: 09-Apr-24

SW-846 7470A (TOTAL)

Batch 218799		SampType: LCS		Units µg/L							
SampID: LCS-218799											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.20		4.63	5.000	0	92.5	85	115	02/16/2024	

Batch 218799		SampType: MS		Units µg/L							
SampID: 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				RPD Limit 15			
SampID: 24020001-036CMSD											
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								
SampID: MBLK-218860												Date
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							
SampID: LCS-218860											Date
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							
SampID: 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				RPD Limit 15			
SampID: 24020001-031CMSD											
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							
SampID: 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

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 7470A (TOTAL)

Batch 218877		SampType: LCS		Units µg/L							
SampID: 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							
SampID: 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			
SampID: 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							
SampID: 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			
SampID: 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							
SampID: 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							
SampID: 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							
SampID: 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

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 7470A (TOTAL)

Batch 219103		SampType: LCS		Units µg/L							
SampID: LCS-219103											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	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				RPD Limit 15			
SampID: 24020001-055BMSD											
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

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	
Mercurv		0.20	S	2.72	5.000	0	54.4	75	125	02/29/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-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			Date Analyzed
SampID: 24020001-053CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
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				Date Analyzed
SampID: 24020001-102CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
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

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Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

SW-846 7470A (TOTAL)

Batch 219495		SampType: LCS		Units µg/L								
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							
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	
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll

Work Order: 24020001

Client Project: COF-24Q1

Report Date: 09-Apr-24

Carrier: Justin Colp

Received By: LEH

Completed by:

On:

14-Feb-24

Amber Dilallo

Reviewed by:

On:

22-Feb-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 9.1
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☒	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☒	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☒

Any No responses must be detailed below or on the COC.

pH strip #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: 09-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

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LTG 7

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LTG7

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LTG7

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX DRINKING WATER DW WASTE WWV WATER WWP PRODUCT P SOIL/SOLID QL ASP AR OT TS AIR OTHER TISSUE	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		AP2D	WT	G				2	1	1							X																24020001-001				
2		G1001	WT	G				2	1	1							X																24020001-002				
3		G1003	WT	G				4	1	3							X																24020001-003				
4		G101	WT	G				5	2	1	1		1																				24020001-004				
5		G102	WT	G		2-14-24	1113	7	2	2	2		1						X	X													24020001-005				
6		G103	WT	G		2-14-24	1150	7	2	2	2		1							X													24020001-006				
7		G105	WT	G		2-14-24	1213	7	2	2	2		1							X													24020001-007				
8		G106	WT	G		2-14-24	1258	7	2	2	2		1																				24020001-008				
9		G107	WT	G		2-14-24	1330	5	2	1	1		1						X	X													24020001-009				
10		G108	WT	G		2-14-24	1347	5	2	1	1		1							X													24020001-010				
11		G109	WT	G		2-14-24	1405	5	2	1	1		1							X													24020001-011				
12		G110	WT	G		2-14-24	1421	6	2	1	2		1						X	X													24020001-012				
13		G111	WT	G				5	2	1	1		1							X														24020001-013			
14		G119	WT	G				5	2	1	1		1							X														24020001-014			
15		G120	WT	G				6	2	1	2		1						X	X														24020001-015			
16		G121	WT	G				5	2	1	1		1							X														24020001-016			
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		1655					>			=			✓									
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:																																					

Added HNO₃ (94914) to G303 &
G307. pH ✓ 891110/10719
Gm 2/15/24

1765

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UG5

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: <i>John Cap</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>7-19-27</i>				

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes	MATRIX	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	COF-WPCP-102	COF-WPCP-103-104			COF-WPCP-106
1	G308	WT	G				2	1	1								X												24020001-065		
2	G310	WT	G				2	1	1								X												24020001-066		
3	G312	WT	G				2	1	1								X												24020001-067		
4	G313	WT	G				2	1	1								X												24020001-068		
5	G314	WT	G				2	1	1								X												24020001-069		
6	G314D	WT	G				2	1	1								X												24020001-070		
7	G315	WT	G	2/14/24	1245		2	1	1								X												24020001-071		
8	G316	WT	G				2	1	1								X												24020001-072		
9	G401	WT	G				4	1	2	1								X				X							24020001-073		
10	G402	WT	G				4	1	2	1								X				X							24020001-074		
11	G403	WT	G				4	1	2	1								X				X							24020001-075		
12	G404	WT	G				4	1	2	1								X				X							24020001-076		
13	G405	WT	G				4	1	2	1								X				X							24020001-077		
14	G406	WT	G				4	1	2	1								X				X							24020001-078		
15	G407	WT	G				4	1	2	1								X				X							24020001-079		
16	G410	WT	G				4	1	2	1												X							24020001-080		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1	J. Colp	2-14	1655	Sam Stuckey	2/14	1655	4.7	>	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/YYYY): 2-14-24					

LTGS

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2-14-24				

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LTG 5

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[illegible]

CH 2/16/24

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7	
Company: Vistra Corp-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		REGULATORY AGENCY	
Email To: Brian Voelker @VistraCorp.com		Scott Bell-Michael Bell@vistracorp.com		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911		Purchase Order No.:		Project Manager:		UST RCRA OTHER	
Requested Due Date/T: 10 day		Project Name:		Profile #:		Site Location IL	
		Project Number: 2285				STATE:	

ITEM #	Section D Required Client Info	Matrix Codes DRINKING WATER DW WATER WW WASTE W WATER PRODUCT SOLID O OL WP WPE AR AR OT OTHER TS TISSUE	MATRIX CODE	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	SAMPLE D (A-Z, 9-10) Sample IDs MUST BE UNIQUE	G276	WT	G				5	2	1	1		1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</

ADDIT: NFI COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-4Q1 Rev 1		J. Cold		2-15	1600	[Signature]		2/15/24	1600	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 Cold													
SIGNATURE of SAMPLER: [Signature]										DATE Signed (MM/DD/YY): 2-15-24			

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Tracy Powell					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2/16/21				

UGS PHU 90719/89660
added HNO₃ (94914)
to G206D, G308, XPW02
500ml 500ml 500ml

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp - Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIP Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 61017		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		Purchase Order No.:		Project Manager:			
Requested Due Date/T: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Info: 998:1	Valid Matrix Codes DRINKING WATER DW WATER WW WASTE P WATER PRODUCT SOIL/SOLID QL WPE AIR OTHER TISSUE	MATRIX	MATERIAL 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			G411	WT	G				4	1	2	1																				24020001-081		
2			L201	WT	G				2	1	1	1																				24020001-082		
3			L202	WT	G				2	1	1	1																				24020001-083		
4			L203	WT	G				2	1	1	1																				24020001-084		
5			NE Riser	WT	G				2	1	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	1																				24020001-093		
14			XPW01	WT	G				2	1	1	1																				24020001-094		
15			XPW02	WT	G	2/16/24	1045		2	1	1	1																				24020001-095		
16			XSG-01	WT	G				0																							24020001-096		
ADDIT L COMMENTS						RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																		
COF-14Q1 Rev 1						Tracy Carroll			2/16/24	12:21	Tracy Carroll			2/16/24	12:21																			

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll							
SIGNATURE of SAMPLER: Tracy Carroll							
DATE Signed (MM/DD/YY): 2/16/24							

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7																	
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="4">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td colspan="2">DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td colspan="2">OTHER</td> </tr> <tr> <td colspan="2">Site Location</td> <td colspan="2">STATE:</td> </tr> </table>		REGULATORY AGENCY				NPDES	GROUND WATER	DRINKING WATER		UST	RCRA	OTHER		Site Location		STATE:	
REGULATORY AGENCY																							
NPDES	GROUND WATER	DRINKING WATER																					
UST	RCRA	OTHER																					
Site Location		STATE:																					
Address: 134 CIP		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp																			
Coffeen, 7		John Romang - John.Romang@vistracorp.com		Address: see Section A																			
Email To: Brian Voelker		Scott Bell - Michael.Bell@vistracorp.com		Quote Reference:																			
Phone: (217) 753-89		Purchase Order No.:		Project Manager:																			
Requested Due Date/T		Project Name:		Profile #:																			
10 day		Project Number: 2285																					

ITEM #	Section D Required Client Info	Valid Matrix Codes	MATRIX	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	COF-WPCP-102	COF-WPCP-103-104			COF-WPCP-106
									WT	WT	WT	WT	WT	WT	WT	WT	WT	WT		WT	WT	WT	WT	WT	WT	WT	WT	WT	WT			WT

ADDIT	COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-	1 Rev 1	J. Calp	2-19	1640	Smiley D. Balle	2/19/24	1140	8.5	>	z	✓

SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YY)
PRINT Name of SAMPLER:	Justin Calp	
SIGNATURE of SAMPLER:	<i>Justin Calp</i>	2-19-24

PH/90719/89460
added HNO3(96331) to G270, G275D
NaOH(95443) to G153

LT 2/20/24

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~~6270~~^{ic} bottles are labeled 6^{ic}
6271 bottles are labeled 6272
6272 bottles are labeled 6271
- Brett filled the wrong bottles

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SAMPLE 13

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
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					
Coffeeen, IL 61017	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) 753-89	Purchase Order No.:	Project Manager:					
Requested Due Date/Time: 10 day	Project Name:	Profile #:					
			REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:				

ITEM #	Section D Required Client Info	Valid Matrix Codes	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
COF- 401 Rev 1		J Colp		2-19	1040	Sharon A. Sells		2/19/24	1040	Y Z	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on (see Y/N)	Custody Sealed (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				
Justin Colp	[Signature]				
DATE Signed (MM/DD/YYYY): 2-19-24					

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* Added HNO_3 (96331) in 2/20
Added H_2SO_4 & NaOH to R201
(94915) (95443)

Samples	Intact (Y/N)
1	Y
2	Y
3	Y
4	Y
5	Y
6	Y
7	Y
8	Y
9	Y
10	Y
11	Y
12	Y
13	Y
14	Y
15	Y
16	Y
17	Y
18	Y
19	Y
20	Y
21	Y
22	Y
23	Y
24	Y
25	Y
26	Y
27	Y
28	Y
29	Y
30	Y
31	Y
32	Y
33	Y
34	Y
35	Y
36	Y
37	Y
38	Y
39	Y
40	Y
41	Y
42	Y
43	Y
44	Y
45	Y
46	Y
47	Y
48	Y
49	Y
50	Y
51	Y
52	Y
53	Y
54	Y
55	Y
56	Y
57	Y
58	Y
59	Y
60	Y
61	Y
62	Y
63	Y
64	Y
65	Y
66	Y
67	Y
68	Y
69	Y
70	Y
71	Y
72	Y
73	Y
74	Y
75	Y
76	Y
77	Y
78	Y
79	Y
80	Y
81	Y
82	Y
83	Y
84	Y
85	Y
86	Y
87	Y
88	Y
89	Y
90	Y
91	Y
92	Y
93	Y
94	Y
95	Y
96	Y
97	Y
98	Y
99	Y
100	Y

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7																					
Company: Vistra Corp		Report To: Brian Voelker		Attention: Jason Stuckey		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td colspan="2">Site Location</td> <td>IL</td> </tr> <tr> <td colspan="2">Requested Due Date/T</td> <td colspan="2">10 day</td> <td colspan="2">Project Number: 2285</td> <td colspan="2">STATE:</td> </tr> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location		IL	Requested Due Date/T		10 day		Project Number: 2285		STATE:	
REGULATORY AGENCY																											
NPDES	GROUND WATER	DRINKING WATER																									
UST	RCRA	OTHER																									
Site Location		IL																									
Requested Due Date/T		10 day		Project Number: 2285		STATE:																					
Address: 134 CIP		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp																							
Coffeen, 7		John Romang - John.Romang@vistracorp.com		Address: see Section A																							
Email To: Brian V		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:																							
Phone: (217) 753-89		Purchase Order No.:		Project Manager:																							
		Project Name:		Profile #:																							

ITEM #	Section D Required Client Info	VANDERBILT CODES	MATRIX	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	COF-WPCP-102	COF-WPCP-103-104			COF-WPCP-106

ADDRESS	COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-	1 Rev 1	J. Gelp	2-20	1635	Umar Osalle	2/20/24	11:35	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:	SIGNATURE of SAMPLER:				
Justin Gelp	[Signature]				
DATE Signed (MM/DD/YYYY): 2-20-24					

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ITEM #	Section D Required Client Info	Vendor Matrix Codes	MATRIX CODES (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives									Y/N	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	NH ₄ S ₂ O ₈	Methanol	Other	COF-257-101		COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102			
1	SAMPLE ID: (A-Z) BE	G411	*	WT G	2-20-24	1213		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						X													24020001-086
7		R201	* *	WT G		2-10-24	1405	6	2	1	2	1						X			X										24020001-087
8		R205		WT G				6	2	1	2	1																			24020001-088
9		SG-02		WT G				0										X	X												24020001-089
10		SG-03		WT G				0										X	X												24020001-090
11		T127		WT G		2-10-24	1258	6	2	1	2	1																			24020001-091
12		T128		WT G				5	2	1	1	1						X													24020001-092
13		X201		WT G		2-10-24	0847	2	1	1												X									24020001-093
14		XPW01		WT G				2	1	1								X													24020001-094
15		XPW02		WT G				2	1	1																					24020001-095
16		XSG-01		WT G				0										X													24020001-096
ADD COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																	
COF-1 Rev 1		J. Colp		2-20		1635		Uma Ojeda		2/20/24		1635		> z																	

~~* Col-Filter in lab 3C~~

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp - Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian Voelker - bvoelker@vistracorp.com		Scott Bell - Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Matrix Codes MATRIX DRAWING WATER DW WATER WW WASTE P WATER PRODUCT SOL/SOLID SL OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)										Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103			COF-845-104
1	Field Blank		WT	G				7	2	2	2	1				X	X	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							24020001-099
4	G273 Duplicate		WT	G				6	2	1	2	1										X		X					24020001-100
5	G301 Duplicate		WT	G				2	1		1					X				X									24020001-101
6	R201 Duplicate		WT	G				6	2	1	2	1						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																													
11																													
12																													
13																													
14																													
15																													
16																													
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION					DATE	TIME	SAMPLE CONDITIONS												
COF-24Q1 Rev 1					J. Colp			2-20	1635	Gina Orsella					2/20/24	1635													

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): 2-20-24							

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REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location STATE:	IL	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on lot (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-21-24				

90719/86900
NR
2/21

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Page: 2 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2-21-24				

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: See Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Matrix Codes DRINKING WATER DW WATER WT WASTE WW WATER WASTE P PRODUCT SL SOL/SOLID OL WPE AR AR OT OTHER TS TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104				COF-WPCP-105		
1	G276		WT	G				5	2	1	1		1																					24020001-049	
2	G277		WT	G				5	2	1	1		1																					24020001-050	
3	G278		WT	G				5	2	1	1		1																					24020001-051	
4	G279		WT	G				5	2	1	1		1																					24020001-052	
5	G280		WT	G				5	2	1	1		1																					24020001-053	
6	G281		WT	G				4	1		2		1																					24020001-054	
7	G283	*	WT	G		2-21-24	1008		2	1		1																						24020001-055	
8	G284		WT	G					2	1		1																						24020001-056	
9	G285		WT	G					2	1		1																						24020001-057	
10	G301		WT	G					2	1		1																						24020001-058	
11	G302		WT	G					2	1		1																						24020001-059	
12	G303		WT	G					2	1		1																						24020001-060	
13	G305		WT	G					2	1		1																						24020001-061	
14	G306		WT	G					2	1		1																						24020001-062	
15	G307		WT	G					2	1		1																						24020001-063	
16	G307D		WT	G					2	1		1																						24020001-064	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																	
COF-24Q1 Rev 1			J. Colp			2-21		1635		Mick Reed				2/21		1635		> z																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1		J. Colp		2-21	1635	Justin Reed		2/21	1635	Temp in °C Received on Ice (Y/N) Custody Sealed (Y/N) Samples Intact (Y/N)			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: <i>Justin Colp</i>					
DATE Signed (MM/DD/YY): 2-21-24					

24020001

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
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					
Phone: (217) 753-8911		Purchase Order No.:		Quote Reference:			
Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

Section D Required Client Information		Valid Matrix Codes		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.												
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OL WPE AR OTHER TISUE	OW WT VW P SL WP AR OT TS	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
																			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	1	1							X															24020001-065			
2	G310			WT	G				2	1	1							X															24020001-066			
3	G312			WT	G				2	1	1							X															24020001-067			
4	G313			WT	G				2	1	1							X															24020001-068			
5	G314			WT	G				2	1	1							X															24020001-069			
6	G314D			WT	G				2	1	1							X															24020001-070			
7	G315			WT	G				2	1	1							X															24020001-071			
8	G316			WT	G				2	1	1							X															24020001-072			
9	G401	* O		WT	G	7-21-24	1246		4	1	2	1						X															24020001-073			
10	G402	* O		WT	G	7-21-24	1344		4	1	2	1						X															24020001-074			
11	G403			WT	G	7-21-24	1143		4	1	2	1						X															24020001-075			
12	G404			WT	G	7-21-24	1037		4	1	2	1						X															24020001-076			
13	G405	*		WT	G	7-21-24	1109		4	1	2	1						X															24020001-077			
14	G406	*		WT	G	7-21-24	1211		4	1	2	1						X															24020001-078			
15	G407			WT	G				4	1	2	1						X															24020001-079			
16	G410			WT	G				4	1	2	1						X															24020001-080			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
COF-24Q1 Rev 1		J. Calp		7-21		1635		Nick Reed		7/21		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: Justin Calp					
SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM/DD/YYYY): 7-21-24			

Page: 6 of 7

ITEM #	Section D Required Client Information	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes DRINKING WATER DW WATER WW WASTE P WATER PRODUCT SOLID OL WPE AR OT TS OTHER TISSUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	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	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1		G411		WT	G						4	1	2	1									X										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	2-21-24	1425				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	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-24Q1 Rev 1			J. Colp				2-21		1635		Lish Reed				2/21		1635		y z																

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Matrix Codes	Matrix	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	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			
1	Field Blank	WT	G	7-21-24	1503			7	2	2	2	1						X	X	X	X	X	X	X	X	X	X	X	X	X		24020001-097			
2	G102 Duplicate	WT	G					7	2	2	2	1																				24020001-098			
3	G200 Duplicate	WT	G	2-21-24	0903			6	2	1	2	1																				24020001-099			
4	G273 Duplicate	WT	G					6	2	1	2	1																				24020001-100			
5	G301 Duplicate	WT	G					2	1		1							X														24020001-101			
6	R201 Duplicate	WT	G					6	2	1	2	1							X													24020001-102			
7	Equipment Blank 1	WT	G	2-21-24	1458			7	2	2	2	1						X	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	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	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-24Q1 Rev 1		J. Colp		2-21	1635	Theresa Reed		2/21	1635				
										Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SAMPLER NAME AND SIGNATURE													
PRINT Name of SAMPLER: Justin G.P.													
SIGNATURE of SAMPLER: [Signature]										DATE Signed (MM/DD/YYYY): 2-21-24			

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 6 of 7

Company: Vistra Corp-Coffeeen		Report To: Brian Voelker	Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffeeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE:	IL	

[illegible]

2 pumps HNO₃ (96331) added
to L202 + ~~205~~ 203 Ph 190719
TEUS DS²/92

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:	DATE Signed (MM/DD/YYYY): 2-22-24 13:20				

ice 15.4 LTG7

052/22

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



Case Narrative

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

Client: Ramboll

Work Order: 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

Work Order: 24020002

Client Project: COF-24Q1

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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-001
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G1001
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-002
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G151
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-003
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G152
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-004
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G153
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-005
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G154
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-009
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G206D
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-018
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G273
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24020002
Client Project: COF-24Q1	Report Date: 22-Mar-24
Lab ID: 24020002-019	Client Sample ID: G275
Matrix: GROUNDWATER	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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-020
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G275D
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-026
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G283
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-027
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G284
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-028
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G285
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-029
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G301
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-032
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G305
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103

<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103

<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, GMF GYPSUM STACK POND
COF-845-103

<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-044
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G401
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-047
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G404
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-050
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G407
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-052
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G411
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-053
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: R201
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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-054
Matrix: AQUEOUS

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: Field Blank
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q1
Lab ID: 24020002-056
Matrix: GROUNDWATER

Work Order: 24020002
Report Date: 22-Mar-24
Client Sample ID: G273 Duplicate
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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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, GMF GYPSUM STACK POND
COF-845-103
<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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

<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:

On:

14-Feb-24

Amber Dilallo

Reviewed by:

On:

22-Feb-24

Ellie Hopkins

Pages to follow: Chain of custody **33**

Extra pages included **67**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 9.1
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☒	Lab ☐	NA ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☒
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☒
Water - pH acceptable upon receipt?	Yes ☒	No ☐	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☒

Any No responses must be detailed below or on the COC.

pH strip #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

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Page: 1 of 7

Aerden HND3 (94914) to G303 6 8 1	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/YY): 2-14-74				

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Page: 4 of 7

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Justin Alp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2-14-24				

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Page: 5 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Gelp				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 2-17-24				

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Page: 7 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on lot: (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2-14-24				

LT 2/14/24

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Page: 3 of 7

LTG7

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LTG7

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location STATE: IL	
Phone: (217) 753-8911 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	GROSS WEIGHT	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.
1	AP2D	WT	G								COF-257-101															N/A
2	G1001	WT	G	2-15-24	1323		2				COF-257-102	X														24020002-001
3	G1003	WT	G								COF-257-103	X														N/A
4	G101	WT	G	2-15-24	1303						COF-257-104															N/A
5	G102	WT	G								COF-257-105				X	X										N/A
6	G103	WT	G								COF-811-105				X											N/A
7	G105	WT	G								COF-845-101				X											N/A
8	G106	WT	G								COF-845-102				X											N/A
9	G107	WT	G								COF-845-103				X											N/A
10	G108	WT	G								COF-845-104				X											N/A
11	G109	WT	G								COF-WPCP-102				X											N/A
12	G110	WT	G								COF-WPCP-103-104				X											N/A
13	G111	WT	G	2-15-24	0903						COF-WPCP-106				X											N/A
14	G119	WT	G	2-15-24	0947										X	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		J. Colp		2-15		1600		[Signature]		2/15/24		1600		#5 8.1 Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)	
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Justin Colp SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 2-15-24															

PHV 90719
Added HNO3 to all (94914)

LH 2/16/24

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Page: 2 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2-15-24				

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The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2/16/24				

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no G207
received G206D

UGS
PIN 90719 Lt 2/16/24

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Page: 5 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on box (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2/16/24				

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Currid					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 2/16/24				

24020002

HNO3 (96331) added to G152, G153, G270, G275D, G312
pH 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:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bag - Michael.Bag@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.		
					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	2-19-24	0911		2																					X		24020002-002	
7		G152	WT	G	2-19-24	1109		2																					X		24020002-003	
8		G153	WT	G	2-19-24	1009		2																					X		24020002-004	
9		G154	WT	G	2-19-24	0948		2																				X	X		24020002-005	
10		G155	WT	G				2																					X		24020002-006	
11		G200	WT	G				2																					X		24020002-007	
12		G206	WT	G				2																					X		24020002-008	
13		G206D	WT	G				2																							24020002-009	
14		G207	WT	G																									X		N/A	
15		G208	WT	G																									X		N/A	
16		G209	WT	G				2																					X		24020002-010	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS														
COF-24Q1 Rev 1			J. Corp			2-19		1640		Dina Galloway				2/19/24		1640		8.5 > z Y														
Ra226/228, only																		17.5														

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1		J. Colp		2-19	1640	Dmba Qball		2/19/24	1640	8.5	>	=	Y
Ra226/228, only										208			

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on	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							

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6271 bottles are labeled 6272 6272 bottles are labeled 6271	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: <i>[Signature]</i>	DATE Signed (MM/DD/YY): 7-19-24				

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ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N	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																								24020002-021
2		G277	WT	G				2		2																								24020002-022
3		G278	WT	G																														N/A
4		G279	WT	G				2		2																								24020002-023
5		G280	WT	G				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		2																								24020002-027
9		G285	WT	G				2		2																								24020002-028
10		G301	WT	G		2/19/24	1203	2		2																								24020002-029
11		G302	WT	G		2/19/24	1327	2		2																								24020002-030
12		G303	WT	G				2		2																								24020002-031
13		G305	WT	G		2/19/24	1456	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			J. Colp			2-19	1640	Simon Gilaberto			2/19/24	1640	y z																					
Ra226/228, only																																		

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Section A Required Client Information		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: Visira Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
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		REGULATORY AGENCY	
Email To: Brian.Voelker@VisiraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Name:		Profile #		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	Analysis Test	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.					
										Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102			COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106
1	G308	WT	G				2			X						X									24020002-036							
2	G310	WT	G	2/19/24	1124		2			X						X									24020002-037							
3	G312	WT	G	2/19/24	1411		2			X						X									24020002-038							
4	G313	WT	G				2			X						X									24020002-039							
5	G314	WT	G				2			X						X									24020002-040							
6	G314D	WT	G				2			X						X									24020002-041							
7	G315	WT	G				2			X						X									24020002-042							
8	G316	WT	G				2			X						X									24020002-043							
9	G401	WT	G				2				X							X							24020002-044							
10	G402	WT	G				2				X						X		X						24020002-045							
11	G403	WT	G				2				X						X		X						24020002-046							
12	G404	WT	G				2				X						X		X						24020002-047							
13	G405	WT	G				2				X						X		X						24020002-048							
14	G406	WT	G				2				X						X		X						24020002-049							
15	G407	WT	G				2				X						X		X						24020002-050							
16	G410	WT	G				2											X							24020002-051							

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q1 Rev 1		J. Colp		2-19	1640	Jason Stuckey		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 Colp					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 2-19-24					

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Company: Vistra Corp-Coffeeen		Report To: Brian Voelker	Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffeeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name:	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number: 2285	Profile #:	STATE:		

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YYYY): 2-19-24				

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Page: 7 of 7

Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey				
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY		
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell - Michael.Bell@vistracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER UST RCRA OTHER		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:				
Phons: (217) 753-8911		Fax:		Project Name:		Site Location		
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:		STATE:		
				Profile #:		IL		

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Colp</i>					
SIGNATURE of SAMPLER: <i>Justin Colp</i>	DATE Signed (MM/DD/YY): <i>2-19-24</i>				

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-20-24				

PHV 90719
* Added HNO₃ (96331) L# 2/20/24

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~~* reot-Filter in lab se~~

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 7 of 7	
Company: Vistra Corp-Coffee		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffee, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell - Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 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	DATE	TIME	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.							
										WT	G	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	Field Blank	WT G					2				X	X	X	X	X	X	X	X	X	X	X	X	X	X		24020002-054								
2	G102 Duplicate	WT G													X	X										N/A								
3	G200 Duplicate	WT G					2					X							X							24020002-055								
4	G273 Duplicate	WT G					2						X							X						24020002-056								
5	G301 Duplicate	WT G					2				X					X										24020002-057								
6	* R201 Duplicate	WT G	2-20-24	1405			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		24020002-059								
8	Equipment Blank 2	WT G					2				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		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	J. Colp	2-20	1635	Justin Colp	2/20/24	1635	Y 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 Colp							
SIGNATURE of SAMPLER: [Signature]							
DATE Signed (MM/DD/YY): 2-20-24							

CHAIN-OF-CUSTODY / Analytical Request Document

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24020002

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
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	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.
										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	2-21-24	1454					X													N/A				
2	G1001	WT	G			2		2		X													24020002-001				
3	G1003	WT	G	2-21-24	DRY					X													N/A				
4	G101	WT	G											X									N/A				
5	G102	WT	G										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										N/A				
12	G110	WT	G										X	X									N/A				
13	G111	WT	G										X										N/A				
14	G119	WT	G										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	J. Colp	2-21	1635	Smol, O. J. O. J.	2/21/24	11035	103	>	z	Y
Ra226/228, only							1035			

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]				
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:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		Preservatives		Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.								
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	DATE	TIME	UNPRESERVED	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
1	G122	WT	G																X									N/A
2	G123	WT	G																X									N/A
3	G124	WT	G																X									N/A
4	G125	WT	G															X	X									N/A
5	G126	WT	G															X										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	2-21-24	0903	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		X				24020002-010

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	Y 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 Colp					
SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM/DD/YY): 2-21-24			

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Page: 4 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 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:		Page: 5 of 7	
Company: <u>Visira Corp-Coffee</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: <u>IL</u> STATE: <u>IL</u>	
Address: <u>134 CIPS Lane</u>		Copy To: <u>Sam Davies-samantha.davies@visiracorp.com</u>		Company Name: <u>Visira Corp</u>			
<u>Coffee, IL 62017</u>		John Romang - John.Romang@visiracorp.com		Address: <u>see Section A</u>			
Email To: <u>Brian.Voelker@VisiraCorp.com</u>		Scott Bell-Michael.Bell@visiracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: <u>10 day</u>		Project Name:		Profile #:			
		Project Number: <u>2285</u>					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WIPE VP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=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		G308	WT	G				2		2								X											24020002-036			
2		G310	WT	G				2		2								X											24020002-037			
3		G312	WT	G				2		2								X											24020002-038			
4		G313	WT	G				2		2								X											24020002-039			
5		G314	WT	G				2		2								X											24020002-040			
6		G314B	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	2-21-24	1246		2		2								X				X							24020002-044			
10		G402	WT	G	2-21-24	1344		2		2								X				X							24020002-045			
11		G403	WT	G	2-21-24	1143		2		2								X				X							24020002-046			
12		G404	WT	G	2-21-24	1037		2		2								X				X							24020002-047			
13		G405	WT	G	2-21-24	1109		2		2								X				X							24020002-048			
14		G406	WT	G	2-21-24	1211		2		2								X				X							24020002-049			
15		G407	WT	G				2		2								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. Cold		2-21	1635	Chris O'Connell					2/21/24	1635																	
Ra226/228, only																																
SAMPLER NAME AND SIGNATURE															Temp in °C	Received on file (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)														
PRINT Name of SAMPLER: Justin Cold																																
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 2-21-24																																

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: 6 of 7

Company: Vistra Corp-Coffeen	Report To: Brian Voelker	Attention: Jason Stuckey	REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:		
Address: 134 CIPS Lane	Copy To: Sam Davies-samantha.davies@vistracorp.com	Company Name: Vistra Corp			
Coffeen, IL 62017	John Romang - John.Romang@vistracorp.com	Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com	Scott Bell-Michael.Bell@vistracorp.com	Quote Reference:			
Phone: (217) 753-8911	Purchase Order No.:	Project Manager:			
Requested Due Date/TAT: 10 day	Project Number: 2285	Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							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	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	G411		WT	G				2				2																			24020002-052		
2	L201		WT	G																											N/A		
3	L202		WT	G																											N/A		
4	L203		WT	G																											N/A		
5	NE Riser		WT	G	2-21-24	1425																									N/A		
6	R104		WT	G																											N/A		
7	R201		WT	G				2				2																			24020002-053		
8	R205		WT	G																											N/A		
9	SG-02		WT	G																											N/A		
10	SG-03		WT	G																											N/A		
11	T127		WT	G																											N/A		
12	T128		WT	G																											N/A		
13	X201		WT	G																											N/A		
14	XPW01		WT	G																											N/A		
15	XPW02		WT	G																											N/A		
16	XSG-01		WT	G																											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	Jason Stuckey	2/21/24	11235	>	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 Colp							
SIGNATURE of SAMPLER: [Signature]							
DATE Signed (MM/DD/YY): 2-21-24							

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

[illegible]

Confidential

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 6 of 7

Confidential

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



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Revision 1

Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
GREEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-53264-1

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

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-53264-1

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
DOWHEN POWER PLANT, GMF GYPSUM STACK POND

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	Ra226/228 combined	Ra226	Ra228												
	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	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
<i>Shirley Quinn</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:

Contact:
Requested Due Date:
Email:
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	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-013	2/13/24 1412	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-014	2/13/24 1240	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-015	2/13/24 1211	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-016	2/19/24 1156	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-017	2/19/24 1220	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-018	2/19/24 1318	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-019	2/19/24 1421	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-020	2/19/24 1405	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-021	2/20/24 0921	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-022	2/20/24 0940	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
Smiley, Doreen	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	Ra226/228 combined	Ra226	Ra228												
	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

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab, Inc. QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 35742

Phone: 618 344-1004 ext. 33

PLEASE NOTE

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228 combined	Ra226	Ra228												
	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	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emma O'Leary</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	Ra226/228 combined	Ra226	Ra228												
	24020002-045	2/21/24 1344	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-046	2/21/24 1143	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-047	2/21/24 1037	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-048	2/21/24 1109	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-049	2/21/24 1211	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-050	2/20/24 1015	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-051	2/20/24 1118	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-052	2/20/24 1213	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-053	2/20/24 1405	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-054	2/21/24 1503	HNO3	Aqueous	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-055	2/21/24 0903	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emmanuel D. Williams</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:

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												
	24020002-056	2/19/24 1318	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-057	2/19/24 1204	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-058	2/20/24 1405	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24020002-059	2/21/24 1458	HNO3	Groundwater	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			HNO3	Groundwater	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab, Inc.

QC Level: 2

Project#

24020002

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standad TAT

Billing/PO:

35742

Phone: 618 344-1004 ext. 33

Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	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 ☐

*Relinquished By: *Elizabeth Hurley* Date/Time: 2/23/24 1458
Received By: *Saba Wadhwani* Date/Time: 2/23/24 1048
1720

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#

24020002

Comments: Please Issue reports and invoices via email only
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com
Requested Due Date: Standard TAT Billing/PO: 35742

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226	Ra228	Ra226/228 combined
	24020002-045	2/21/24 1344	HNO3	Groundwater	☐	☐	☒
	24020002-046	2/21/24 1143	HNO3	Groundwater	☐	☐	☒
	24020002-047	2/21/24 1037	HNO3	Groundwater	☐	☐	☒
	24020002-048	2/21/24 1109	HNO3	Groundwater	☐	☐	☒
	24020002-049	2/21/24 1211	HNO3	Groundwater	☐	☐	☒
	24020002-050	2/20/24 1015	HNO3	Groundwater	☐	☐	☒
	24020002-051	2/20/24 1118	HNO3	Groundwater	☐	☐	☒
	24020002-052	2/20/24 1213	HNO3	Groundwater	☐	☐	☒
	24020002-053	2/20/24 1405	HNO3	Groundwater	☐	☐	☒
	24020002-054	2/21/24 1503	HNO3	Aqueous	☒	☒	☒
	24020002-055	2/21/24 0903	HNO3	Groundwater	☒	☒	☒

*Relinquished By	Date/Time	Received By	Date/Time
<i>Elizabeth Hurley</i>	2/21/24 1650	<i>Sierra Washington</i>	2/23/24 1048
			2/23/24 1246

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Teklab Inc		Cooler Temp:		Sam
5445 Horseshoe Lake Road				
Collinsville, IL 62234				
	Project#	24020002		
Contact:	Elizabeth Hurley		Email:	ehurley@teklabinc.com
Requested Due Date:	Standad TAT		Billing/PO:	35742

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
	24020002-056	2/19/24 1318	HNO3	Groundwater
	24020002-057	2/19/24 1204	HNO3	Groundwater
	24020002-058	2/20/24 1405	HNO3	Groundwater
	24020002-059	2/21/24 1458	HNO3 <i>Aqueous</i>	Groundwater
			HNO3	Aqueous <i>Extr 124</i>
			HNO3	Aqueous
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Relinquished By	Date/Time	Received By	Date/Time
Wanda D. [Signature]	2/23/24 1049	Wanda D. [Signature]	2/23/24 1054
Wanda D. [Signature]	2/23/24 1110	Wanda D. [Signature]	2/23/24 1220

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
COP-845-160
SDG: 24020002

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.
□	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, GMF GYPSUM STACK POND
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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-001

Lab Sample ID: 160-53264-1

Date Collected: 02/15/24 13:23

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	0.137		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

Lab Sample ID: 160-53264-2

Date Collected: 02/19/24 09:11

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	0.0514	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

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-005

Date Collected: 02/19/24 09:48

Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-5

Matrix: Water

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

Date Collected: 02/16/24 10:37

Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-6

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	0.0503	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

Date Collected: 02/21/24 09:03

Date Received: 02/23/24 12:20

Lab Sample ID: 160-53264-7

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	0.100	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

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

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)

			Count	Total						
Analyte	Result	Qualifier	Uncert.	Uncert.	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
			(2σ+/-)	(2σ+/-)						
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							
Ba Carrier	103		30 - 110							
Y Carrier	85.2		30 - 110							
								02/27/24 09:58	03/12/24 12:27	1
								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

Lab Sample ID: 160-53264-10

Date Collected: 02/13/24 10:30

Matrix: Water

Date Received: 02/23/24 12:20

Method: EPA 903.0 - Radium-226 (GFPC)

			Count	Total								
Analyte	Result	Qualifier	Uncert.	Uncert.	RL	MDC	Unit	Prepared	Analyzed	Dil Fac		
Radium-226	0.139	U	(2σ+/-)	(2σ+/-)	0.122	0.122	1.00	0.186	pCi/L	02/27/24 09:54	03/20/24 09:35	1
Carrier	%Yield	Qualifier										
Ba Carrier	94.4		Limits									
			30 - 110									

Method: EPA 904.0 - Radium-228 (GFPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(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

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-011

Lab Sample ID: 160-53264-11

Date Collected: 02/14/24 10:17

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	0.0653	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

Lab Sample ID: 160-53264-12

Date Collected: 02/14/24 09:55

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	0.0893	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

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

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

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-027

Lab Sample ID: 160-53264-27

Date Collected: 02/20/24 14:26

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	0.0870	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

Lab Sample ID: 160-53264-28

Date Collected: 02/20/24 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	0.363		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

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 1, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-53264-1
 SDG: 24020002

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

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

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-041

Lab Sample ID: 160-53264-41

Date Collected: 02/13/24 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	0.810		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

Lab Sample ID: 160-53264-42

Date Collected: 02/14/24 12:45

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	0.0359	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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-045

Lab Sample ID: 160-53264-45

Date Collected: 02/21/24 13:44

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	0.0955	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

Lab Sample ID: 160-53264-46

Date Collected: 02/21/24 11:43

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	0.0789	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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-049

Lab Sample ID: 160-53264-49

Date Collected: 02/21/24 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	0.0194	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

Lab Sample ID: 160-53264-50

Date Collected: 02/20/24 10:15

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	0.0866	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

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

Client Sample ID: 24020002-055

Lab Sample ID: 160-53264-55

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	0.113		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

Lab Sample ID: 160-53264-56

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	0.116	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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.939		1.04	1.00	0.0956	pCi/L	88	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	101		30 - 110							

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 Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
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							
Ba Carrier	96.2		30 - 110							

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.90		1.15	1.00	0.122	pCi/L	96	75 - 125

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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

LCS LCS			
Carrier	%Yield	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

				Total								
	Sample	Sample		DU	DU	Uncert.						RER
Analyte	Result	Qual		Result	Qual	(2σ+/-)	RL	MDC	Unit			Limit
Radium-226	0.104	U		0.05084	U	0.0868	1.00	0.151	pCi/L			0.30 1
Carrier	DU	DU										
	%Yield	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

		MB MB		Count	Total							
Analyte	Result	Qualifier		Uncert. (2σ+/-)	Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac	
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	
MB MB												
Carrier	%Yield	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

		Spike	LCS LCS	Total							
Analyte	Result	Added	Result	Qual	Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	Limits	
Radium-226		11.3	10.33		1.09	1.00	0.101	pCi/L	91	75 - 125	
LCS LCS											
Carrier	%Yield	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

			Total									
Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Uncert. (2σ+/-)	RL	MDC	Unit			RER	RER Limit
Radium-226	0.0866	U	-0.02167	U	0.0454	1.00	0.110	pCi/L			0.84	1
DU			DU									
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	96.7		30 - 110									

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					02/27/24 10:05	03/20/24 07:16	1

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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.23		1.08	1.00	0.0993	pCi/L	90	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	98.5		30 - 110							

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 Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0762	U	-0.00074	U	0.0492	1.00	0.104	pCi/L	0.65	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	103		30 - 110							

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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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 %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.7		30 - 110					02/27/24 09:58	03/12/24 12:32	1
Y Carrier	84.1		30 - 110					02/27/24 09:58	03/12/24 12:32	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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
	LCS	LCS								
Carrier	%Yield	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
	DU	DU								
Carrier	%Yield	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
	MB	MB								
Carrier	%Yield	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
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	102		30 - 110							
Y Carrier	83.4		30 - 110							

Eurofins St. Louis

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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 Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
Radium-228	0.0448	U	0.1492	U	0.350	1.00	0.613	pCi/L	0.17	1
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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	106		30 - 110							
Y Carrier	84.1		30 - 110							

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	Limit
Radium-228	9.12	9.830		1.31	1.00	0.538	pCi/L	108	75 - 125
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 Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	Limit
Radium-228	0.557	U	-0.04210	U	0.280	1.00	0.537	pCi/L	0.85	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	96.7		30 - 110							
Y Carrier	79.6		30 - 110							

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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 Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
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	Dil Fac
Ba Carrier	98.7		30 - 110					02/27/24 10:09	03/13/24 12:42	1
Y Carrier	86.7		30 - 110					02/27/24 10:09	03/13/24 12:42	1

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 Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
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 Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER 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, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

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	

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QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

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	

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QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
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	

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK PONDClient: TekLab, Inc
Project/Site: Radium-226 and Radium-228Job ID: 160-53264-1
SDG: 24020002

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-53264-1	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					

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Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-53264-1
SDG: 24020002

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, GMF GYPSUM STACK POND

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

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	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

Eurofins St. Louis

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-53264-1
SDG: 24020002

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			

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
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 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
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 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)
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 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)
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	It 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 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)
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

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary

Coffeen- 1Q 2024

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 Sampling Event: Coffeen 1Q24

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Summary

Coffeen- 1Q 2024

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 Sampling 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 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
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	Dry- No Sample							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 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
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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters

Coffeen- 1Q 2024

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters

Coffeen- 1Q 2024

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

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters

Coffeen- 1Q 2024

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters

Coffeen- 1Q 2024

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters

Coffeen- 1Q 2024

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters

Coffeen- 1Q 2024

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

LIMS Workorder: 24020001

Technician(s): DC, JC, TC, BG

Groundwater Sampling Form- Groundwater Quality Parameters

Coffeen- 1Q 2024

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24020001

Coffeen- 1Q 2024

COF-845-103

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 BField 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 μ S 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 μ S	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 μ S 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 μ S	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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 1, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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 BField 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 μ S 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 μ S	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 μ S 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 μ S	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 BField 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		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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		

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		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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		

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 BField 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 BField 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		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S 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		

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	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		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S 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		

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	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

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.07	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
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
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>
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
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.441	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

<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>
240.0 / 240.0	mv	240.0	mv	252.1	240.0	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.0

<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

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.21	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
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.03	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	122.65	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.391	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	272.80	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 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>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.00 / 100.00	%	100.00	%	97.30	100.00	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
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G206	UA	E004	Antimony, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.001	0.003
G206	UA	E004	Arsenic, total	mg/L	11/18/15 - 02/13/24	22	69	CI around median	0.001	0.0110
G206	UA	E004	Barium, total	mg/L	11/18/15 - 02/13/24	22	3	CI around mean	0.0477	0.130
G206	UA	E004	Beryllium, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.001	0.001
G206	UA	E004	Boron, total	mg/L	11/18/15 - 02/13/24	29	79	CI around median	0.01	0.110
G206	UA	E004	Cadmium, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.001	0.001
G206	UA	E004	Chloride, total	mg/L	11/18/15 - 02/13/24	29	0	CB around linear reg	18.8	94.9
G206	UA	E004	Chromium, total	mg/L	11/18/15 - 02/13/24	22	85	CB around T-S line	0.00321	0.00960
G206	UA	E004	Cobalt, total	mg/L	11/18/15 - 02/13/24	22	97	CB around T-S line	0.00189	0.00370
G206	UA	E004	Fluoride, total	mg/L	11/18/15 - 02/13/24	30	5	CI around mean	0.385	0.552
G206	UA	E004	Lead, total	mg/L	11/18/15 - 02/13/24	22	93	CI around median	0.001	0.00590
G206	UA	E004	Lithium, total	mg/L	11/18/15 - 02/13/24	15	100	All ND - Last	0.003	0.02
G206	UA	E004	Mercury, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.0002	0.00110
G206	UA	E004	Molybdenum, total	mg/L	11/18/15 - 02/13/24	22	67	CI around median	0.001	0.0440
G206	UA	E004	pH (field)	SU	11/18/15 - 02/13/24	31	0	CI around median	7.1/7.2	6.8/7.4
G206	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 02/13/24	15	0	CI around mean	0.437	1.48
G206	UA	E004	Selenium, total	mg/L	11/18/15 - 02/13/24	22	82	CI around median	0.001	0.00350
G206	UA	E004	Sulfate, total	mg/L	11/18/15 - 02/13/24	29	0	CB around linear reg	125	387
G206	UA	E004	Thallium, total	mg/L	11/18/15 - 02/13/24	22	100	All ND - Last	0.002	0.001
G206	UA	E004	Total Dissolved Solids	mg/L	11/18/15 - 02/13/24	29	0	CB around T-S line	478	975
G206D	DA	E004	Antimony, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.001	0.003
G206D	DA	E004	Arsenic, total	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	0.0163	0.0110
G206D	DA	E004	Barium, total	mg/L	03/30/21 - 02/16/24	10	0	CI around mean	0.103	0.130
G206D	DA	E004	Beryllium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.001	0.001
G206D	DA	E004	Boron, total	mg/L	03/30/21 - 02/16/24	10	0	CI around mean	0.114	0.110
G206D	DA	E004	Cadmium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.001	0.001
G206D	DA	E004	Chloride, total	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	3.89	94.9

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GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G206D	DA	E004	Chromium, total	mg/L	03/30/21 - 02/16/24	10	90	CB around T-S line	-0.00544	0.00960
G206D	DA	E004	Cobalt, total	mg/L	03/30/21 - 02/16/24	10	90	CB around T-S line	-0.000361	0.00370
G206D	DA	E004	Fluoride, total	mg/L	03/30/21 - 02/16/24	10	0	CI around mean	0.682	0.552
G206D	DA	E004	Lead, total	mg/L	03/30/21 - 02/16/24	10	80	CI around median	0.001	0.00590
G206D	DA	E004	Lithium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.003	0.02
G206D	DA	E004	Mercury, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.0002	0.00110
G206D	DA	E004	Molybdenum, total	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	0.00646	0.0440
G206D	DA	E004	pH (field)	SU	03/30/21 - 02/16/24	10	0	CI around mean	6.9/7.4	6.8/7.4
G206D	DA	E004	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 02/16/24	11	0	CI around mean	0.276	1.48
G206D	DA	E004	Selenium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.001	0.00350
G206D	DA	E004	Sulfate, total	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	-100	387
G206D	DA	E004	Thallium, total	mg/L	03/30/21 - 02/16/24	10	100	All ND - Last	0.002	0.001
G206D	DA	E004	Total Dissolved Solids	mg/L	03/30/21 - 02/16/24	10	0	CB around linear reg	434	975
G209	UA	E004	Antimony, total	mg/L	11/18/15 - 02/13/24	22	97	CB around T-S line	0.00279	0.003
G209	UA	E004	Arsenic, total	mg/L	11/18/15 - 02/13/24	22	42	CI around geomean	0.00114	0.0110
G209	UA	E004	Barium, total	mg/L	11/18/15 - 02/13/24	22	0	CI around mean	0.0574	0.130
G209	UA	E004	Beryllium, total	mg/L	11/18/15 - 02/13/24	22	97	Most recent sample	0.001	0.001
G209	UA	E004	Boron, total	mg/L	11/18/15 - 02/13/24	29	58	CI around median	0.01	0.110
G209	UA	E004	Cadmium, total	mg/L	11/18/15 - 02/13/24	22	98	Most recent sample	0.001	0.001
G209	UA	E004	Chloride, total	mg/L	11/18/15 - 02/13/24	29	0	CI around median	59	94.9
G209	UA	E004	Chromium, total	mg/L	11/18/15 - 02/13/24	22	71	CB around T-S line	0.00373	0.00960
G209	UA	E004	Cobalt, total	mg/L	11/18/15 - 02/13/24	22	88	CB around T-S line	0.00189	0.00370
G209	UA	E004	Fluoride, total	mg/L	11/18/15 - 02/13/24	30	2	CI around mean	0.406	0.552
G209	UA	E004	Lead, total	mg/L	11/18/15 - 02/13/24	22	87	CI around median	0.001	0.00590
G209	UA	E004	Lithium, total	mg/L	11/18/15 - 02/13/24	15	80	CI around median	0.0058	0.02
G209	UA	E004	Mercury, total	mg/L	11/18/15 - 02/13/24	22	97	Most recent sample	0.0002	0.00110
G209	UA	E004	Molybdenum, total	mg/L	11/18/15 - 02/13/24	22	8	CI around mean	0.00163	0.0440

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COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G209	UA	E004	pH (field)	SU	11/18/15 - 02/13/24	33	0	CI around mean	7.0/7.2	6.8/7.4
G209	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 02/13/24	15	0	CI around mean	0.481	1.48
G209	UA	E004	Selenium, total	mg/L	11/18/15 - 02/13/24	22	62	CI around median	0.001	0.00350
G209	UA	E004	Sulfate, total	mg/L	11/18/15 - 02/13/24	29	0	CI around median	240	387
G209	UA	E004	Thallium, total	mg/L	11/18/15 - 02/13/24	22	94	CB around T-S line	0.001	0.001
G209	UA	E004	Total Dissolved Solids	mg/L	11/18/15 - 02/13/24	29	0	CI around mean	792	975
G212	UA	E004	Antimony, total	mg/L	11/18/15 - 02/14/24	22	100	All ND - Last	0.001	0.003
G212	UA	E004	Arsenic, total	mg/L	11/18/15 - 02/14/24	22	84	CI around median	0.001	0.0110
G212	UA	E004	Barium, total	mg/L	11/18/15 - 02/14/24	22	0	CI around mean	0.0487	0.130
G212	UA	E004	Beryllium, total	mg/L	11/18/15 - 02/14/24	22	97	CI around median	0.001	0.001
G212	UA	E004	Boron, total	mg/L	11/18/15 - 02/14/24	29	83	CI around median	0.01	0.110
G212	UA	E004	Cadmium, total	mg/L	11/18/15 - 02/14/24	22	98	CI around median	0.001	0.001
G212	UA	E004	Chloride, total	mg/L	11/18/15 - 02/14/24	29	0	CB around linear reg	43.6	94.9
G212	UA	E004	Chromium, total	mg/L	11/18/15 - 02/14/24	22	85	CB around T-S line	0.00373	0.00960
G212	UA	E004	Cobalt, total	mg/L	11/18/15 - 02/14/24	22	97	CB around T-S line	0.00189	0.00370
G212	UA	E004	Fluoride, total	mg/L	11/18/15 - 02/14/24	29	12	CI around median	0.32	0.552
G212	UA	E004	Lead, total	mg/L	11/18/15 - 02/14/24	22	84	CI around median	0.001	0.00590
G212	UA	E004	Lithium, total	mg/L	11/18/15 - 02/14/24	15	100	All ND - Last	0.003	0.02
G212	UA	E004	Mercury, total	mg/L	11/18/15 - 02/14/24	22	97	CI around median	0.0002	0.00110
G212	UA	E004	Molybdenum, total	mg/L	11/18/15 - 02/14/24	22	71	CI around median	0.001	0.0440
G212	UA	E004	pH (field)	SU	11/18/15 - 02/14/24	30	0	CI around mean	7.1/7.3	6.8/7.4
G212	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 02/14/24	15	0	CI around mean	0.403	1.48
G212	UA	E004	Selenium, total	mg/L	11/18/15 - 02/14/24	22	15	CB around linear reg	-3.03e-05	0.00350
G212	UA	E004	Sulfate, total	mg/L	11/18/15 - 02/14/24	29	0	CI around mean	53.3	387
G212	UA	E004	Thallium, total	mg/L	11/18/15 - 02/14/24	22	97	CI around median	0.001	0.001
G212	UA	E004	Total Dissolved Solids	mg/L	11/18/15 - 02/14/24	29	0	CI around geomean	381	975
G213	UA	E004	Antimony, total	mg/L	10/13/20 - 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
G213	UA	E004	Arsenic, total	mg/L	10/13/20 - 02/14/24	14	70	CI around median	0.001	0.0110
G213	UA	E004	Barium, total	mg/L	10/13/20 - 02/14/24	14	0	CI around mean	0.046	0.130
G213	UA	E004	Beryllium, total	mg/L	10/13/20 - 02/14/24	14	92	Most recent sample	0.001	0.001
G213	UA	E004	Boron, total	mg/L	10/13/20 - 02/14/24	14	89	CI around median	0.01	0.110
G213	UA	E004	Cadmium, total	mg/L	10/13/20 - 02/14/24	14	97	Most recent sample	0.001	0.001
G213	UA	E004	Chloride, total	mg/L	10/13/20 - 02/14/24	14	0	CI around mean	41.8	94.9
G213	UA	E004	Chromium, total	mg/L	10/13/20 - 02/14/24	14	62	CI around median	0.004	0.00960
G213	UA	E004	Cobalt, total	mg/L	10/13/20 - 02/14/24	14	85	CB around T-S line	0.000818	0.00370
G213	UA	E004	Fluoride, total	mg/L	10/13/20 - 02/14/24	14	8	CI around median	0.267	0.552
G213	UA	E004	Lead, total	mg/L	10/13/20 - 02/14/24	14	70	CI around median	0.001	0.00590
G213	UA	E004	Lithium, total	mg/L	02/15/23 - 02/14/24	5	40	CI around geomean	0.00316	0.02
G213	UA	E004	Mercury, total	mg/L	10/13/20 - 02/14/24	14	100	All ND - Last	0.0002	0.00110
G213	UA	E004	Molybdenum, total	mg/L	10/13/20 - 02/14/24	14	88	CB around T-S line	0.001	0.0440
G213	UA	E004	pH (field)	SU	10/13/20 - 02/14/24	14	0	CI around mean	7.0/7.2	6.8/7.4
G213	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 02/14/24	5	0	CI around mean	-0.461	1.48
G213	UA	E004	Selenium, total	mg/L	10/13/20 - 02/14/24	14	27	CI around median	0.001	0.00350
G213	UA	E004	Sulfate, total	mg/L	10/13/20 - 02/14/24	14	0	CB around linear reg	59.8	387
G213	UA	E004	Thallium, total	mg/L	10/13/20 - 02/14/24	14	96	CB around T-S line	0.001	0.001
G213	UA	E004	Total Dissolved Solids	mg/L	10/13/20 - 02/14/24	14	0	CI around mean	373	975
G215	UA	E004	Antimony, total	mg/L	11/24/15 - 02/13/24	22	97	CB around T-S line	0.00223	0.003
G215	UA	E004	Arsenic, total	mg/L	11/24/15 - 02/13/24	22	20	CI around geomean	0.00439	0.0110
G215	UA	E004	Barium, total	mg/L	11/24/15 - 02/13/24	22	0	CB around linear reg	0.00756	0.130
G215	UA	E004	Beryllium, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.001	0.001
G215	UA	E004	Boron, total	mg/L	11/24/15 - 02/13/24	30	24	CB around linear reg	0.629	0.110
G215	UA	E004	Cadmium, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.001	0.001
G215	UA	E004	Chloride, total	mg/L	11/24/15 - 02/13/24	30	0	CB around T-S line	92.3	94.9
G215	UA	E004	Chromium, total	mg/L	11/24/15 - 02/13/24	22	91	CB around T-S line	0.00373	0.00960

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G215	UA	E004	Cobalt, total	mg/L	11/24/15 - 02/13/24	22	91	CB around T-S line	0.00154	0.00370
G215	UA	E004	Fluoride, total	mg/L	11/24/15 - 02/13/24	30	14	CB around linear reg	0.149	0.552
G215	UA	E004	Lead, total	mg/L	11/24/15 - 02/13/24	22	84	CI around median	0.001	0.00590
G215	UA	E004	Lithium, total	mg/L	11/24/15 - 02/13/24	15	80	CI around median	0.0096	0.02
G215	UA	E004	Mercury, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.0002	0.00110
G215	UA	E004	Molybdenum, total	mg/L	11/24/15 - 02/13/24	22	88	CI around median	0.001	0.0440
G215	UA	E004	pH (field)	SU	11/24/15 - 02/13/24	32	0	CI around mean	6.9/7.1	6.8/7.4
G215	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 02/13/24	15	0	CI around mean	0.488	1.48
G215	UA	E004	Selenium, total	mg/L	11/24/15 - 02/13/24	22	91	CI around median	0.001	0.00350
G215	UA	E004	Sulfate, total	mg/L	11/24/15 - 02/13/24	30	0	CB around linear reg	506	387
G215	UA	E004	Thallium, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.002	0.001
G215	UA	E004	Total Dissolved Solids	mg/L	11/24/15 - 02/13/24	30	0	CB around linear reg	1,220	975
G217	UA	E004	Antimony, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.001	0.003
G217	UA	E004	Arsenic, total	mg/L	10/14/20 - 02/13/24	14	84	CI around median	0.001	0.0110
G217	UA	E004	Barium, total	mg/L	10/14/20 - 02/13/24	14	0	CI around mean	0.0939	0.130
G217	UA	E004	Beryllium, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.001	0.001
G217	UA	E004	Boron, total	mg/L	10/14/20 - 02/13/24	14	73	CI around median	0.01	0.110
G217	UA	E004	Cadmium, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.001	0.001
G217	UA	E004	Chloride, total	mg/L	10/14/20 - 02/13/24	14	0	CB around linear reg	109	94.9
G217	UA	E004	Chromium, total	mg/L	10/14/20 - 02/13/24	14	72	CB around T-S line	0.00105	0.00960
G217	UA	E004	Cobalt, total	mg/L	10/14/20 - 02/13/24	14	88	CB around T-S line	0.000818	0.00370
G217	UA	E004	Fluoride, total	mg/L	10/14/20 - 02/13/24	14	12	CI around median	0.296	0.552
G217	UA	E004	Lead, total	mg/L	10/14/20 - 02/13/24	14	89	CI around median	0.001	0.00590
G217	UA	E004	Lithium, total	mg/L	02/15/23 - 02/13/24	5	40	CI around median (Last Sample, n<7)	0.0037	0.02
G217	UA	E004	Mercury, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.0002	0.00110
G217	UA	E004	Molybdenum, total	mg/L	10/14/20 - 02/13/24	14	88	CB around T-S line	0.001	0.0440
G217	UA	E004	pH (field)	SU	10/14/20 - 02/13/24	14	0	CI around mean	6.8/7.0	6.8/7.4

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G217	UA	E004	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 02/13/24	5	0	CI around mean	0.345	1.48
G217	UA	E004	Selenium, total	mg/L	10/14/20 - 02/13/24	14	76	Most recent sample	0.001	0.00350
G217	UA	E004	Sulfate, total	mg/L	10/14/20 - 02/13/24	14	0	CB around linear reg	391	387
G217	UA	E004	Thallium, total	mg/L	10/14/20 - 02/13/24	14	100	All ND - Last	0.002	0.001
G217	UA	E004	Total Dissolved Solids	mg/L	10/14/20 - 02/13/24	14	0	CB around linear reg	982	975
G218	UA	E004	Antimony, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.001	0.003
G218	UA	E004	Arsenic, total	mg/L	11/24/15 - 02/13/24	22	22	CI around geomean	0.00132	0.0110
G218	UA	E004	Barium, total	mg/L	11/24/15 - 02/13/24	22	0	CB around linear reg	0.0798	0.130
G218	UA	E004	Beryllium, total	mg/L	11/24/15 - 02/13/24	22	97	CI around median	0.001	0.001
G218	UA	E004	Boron, total	mg/L	11/24/15 - 02/13/24	29	77	CB around T-S line	0.01	0.110
G218	UA	E004	Cadmium, total	mg/L	11/24/15 - 02/13/24	22	98	CI around median	0.001	0.001
G218	UA	E004	Chloride, total	mg/L	11/24/15 - 02/13/24	29	0	CI around median	84	94.9
G218	UA	E004	Chromium, total	mg/L	11/24/15 - 02/13/24	22	76	CB around T-S line	0.00284	0.00960
G218	UA	E004	Cobalt, total	mg/L	11/24/15 - 02/13/24	22	88	CI around median	0.002	0.00370
G218	UA	E004	Fluoride, total	mg/L	11/24/15 - 02/13/24	30	12	CI around mean	0.287	0.552
G218	UA	E004	Lead, total	mg/L	11/24/15 - 02/13/24	22	91	CI around median	0.001	0.00590
G218	UA	E004	Lithium, total	mg/L	11/24/15 - 02/13/24	15	80	CI around median	0.0047	0.02
G218	UA	E004	Mercury, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.0002	0.00110
G218	UA	E004	Molybdenum, total	mg/L	11/24/15 - 02/13/24	22	88	CI around median	0.001	0.0440
G218	UA	E004	pH (field)	SU	11/24/15 - 02/13/24	31	0	CI around mean	6.9/7.0	6.8/7.4
G218	UA	E004	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 02/13/24	15	0	CI around mean	0.6	1.48
G218	UA	E004	Selenium, total	mg/L	11/24/15 - 02/13/24	22	85	CI around median	0.001	0.00350
G218	UA	E004	Sulfate, total	mg/L	11/24/15 - 02/13/24	29	0	CB around linear reg	327	387
G218	UA	E004	Thallium, total	mg/L	11/24/15 - 02/13/24	22	100	All ND - Last	0.002	0.001
G218	UA	E004	Total Dissolved Solids	mg/L	11/24/15 - 02/13/24	30	0	CB around linear reg	884	975

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 1, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

UA = Uppermost Aquifer

mg/L = milligrams per liter

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination