



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

August 16, 2024

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

Re: Coffeen Power Plant 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 (IPGC) is submitting groundwater monitoring data for the Quarter 2, 2024 (Q2 2024) sampling event at the Coffeen Power Plant Gypsum Management Facility (GMF) Gypsum Stack Pond (GSP), 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) for the GMF GSP was initiated on January 14, 2024, completed, and submitted to IEPA on June 12, 2024 in accordance with 35 I.A.C. § 845.660. The CMA was the first step towards developing a Corrective Action Plan which will ultimately select a remedy to address all releases from the GMF GSP. The selected remedy will meet the performance standards of 35 I.A.C. § 845.670(d) and the Corrective Action Plan will be submitted to the Agency on or before June 12, 2025. Once implemented and completed, the selected remedy will attain the GWPSs.

Sincerely,

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

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

Enclosures

*Groundwater Monitoring Data and Detected Exceedances, Quarter 2, 2024, 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 2, 2024
COFFEEN GMF GYPSUM STACK POND, COFFEEN POWER PLANT, COFFEEN,
ILLINOIS

August 16, 2024

Samples were collected between April 30, 2024 and May 7, 2024 and analyzed for the parameters listed in Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.600(a), calcium, and turbidity. Final laboratory analytical data was received on June 17, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 2, 2024 sampling event. Groundwater elevation is monitored at the NE Riser using a transducer; however, the transducer was removed in May 2024 for repairs and no groundwater elevation was recorded during the Quarter 2, 2024 event. **Table 1** is a summary of the field parameters and analytical results. **Attachment B** contains the associated laboratory analytical reports and field data sheets for the Quarter 2, 2024 sampling event.

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

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

TABLES

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

FIGURES

Figure 1	Monitoring Well Location Map

ATTACHMENTS

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

¹ Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. GMF Gypsum Stack Pond. Coffeen Power Plant. Coffeen, Illinois. October 25, 2021.*

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G200	Background	E005	05/07/2024	Antimony, total	0.0008 U	mg/L
G200	Background	E005	05/07/2024	Arsenic, total	0.00150	mg/L
G200	Background	E005	05/07/2024	Barium, total	0.0539	mg/L
G200	Background	E005	05/07/2024	Beryllium, total	0.0002 U	mg/L
G200	Background	E005	05/07/2024	Boron, total	0.011 J	mg/L
G200	Background	E005	05/07/2024	Cadmium, total	0.0002 U	mg/L
G200	Background	E005	05/07/2024	Calcium, total	94.3	mg/L
G200	Background	E005	05/07/2024	Chloride, total	61.0	mg/L
G200	Background	E005	05/07/2024	Chromium, total	0.00200 J+	mg/L
G200	Background	E005	05/07/2024	Cobalt, total	0.0007 J	mg/L
G200	Background	E005	05/07/2024	Dissolved Oxygen	0.130	mg/L
G200	Background	E005	05/07/2024	Fluoride, total	0.360	mg/L
G200	Background	E005	05/07/2024	Lead, total	0.00100 J	mg/L
G200	Background	E005	05/07/2024	Lithium, total	0.00570	mg/L
G200	Background	E005	05/07/2024	Mercury, total	0.00006 U	mg/L
G200	Background	E005	05/07/2024	Molybdenum, total	0.00240	mg/L
G200	Background	E005	05/07/2024	Oxidation Reduction Potential	6.00	mV
G200	Background	E005	05/07/2024	pH (field)	7.2	SU
G200	Background	E005	05/07/2024	Radium 226 + Radium 228, total	0.0864	pCi/L
G200	Background	E005	05/07/2024	Selenium, total	0.00440 J+	mg/L
G200	Background	E005	05/07/2024	Specific Conductance @ 25C (field)	850	micromhos/cm
G200	Background	E005	05/07/2024	Sulfate, total	110 J-	mg/L
G200	Background	E005	05/07/2024	Temperature	17.3	degrees C
G200	Background	E005	05/07/2024	Thallium, total	0.0012 J	mg/L
G200	Background	E005	05/07/2024	Total Dissolved Solids	534	mg/L
G200	Background	E005	05/07/2024	Turbidity, field	53.0	NTU
R201	Background	E005	05/07/2024	Antimony, total	0.0008 U	mg/L
R201	Background	E005	05/07/2024	Arsenic, total	0.00110	mg/L
R201	Background	E005	05/07/2024	Barium, total	0.0619	mg/L
R201	Background	E005	05/07/2024	Beryllium, total	0.0002 U	mg/L
R201	Background	E005	05/07/2024	Boron, total	0.01 J	mg/L
R201	Background	E005	05/07/2024	Cadmium, total	0.0002 U	mg/L
R201	Background	E005	05/07/2024	Calcium, total	107	mg/L
R201	Background	E005	05/07/2024	Chloride, total	51.0	mg/L
R201	Background	E005	05/07/2024	Chromium, total	0.0007 U	mg/L
R201	Background	E005	05/07/2024	Cobalt, total	0.0007 J	mg/L
R201	Background	E005	05/07/2024	Dissolved Oxygen	2.05	mg/L
R201	Background	E005	05/07/2024	Fluoride, total	0.360	mg/L
R201	Background	E005	05/07/2024	Lead, total	0.0006 U	mg/L
R201	Background	E005	05/07/2024	Lithium, total	0.00300 J	mg/L
R201	Background	E005	05/07/2024	Mercury, total	0.00006 U	mg/L
R201	Background	E005	05/07/2024	Molybdenum, total	0.0009 U	mg/L
R201	Background	E005	05/07/2024	Oxidation Reduction Potential	-14.0	mV
R201	Background	E005	05/07/2024	pH (field)	7.0	SU
R201	Background	E005	05/07/2024	Radium 226 + Radium 228, total	0.817	pCi/L
R201	Background	E005	05/07/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
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845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
R201	Background	E005	05/07/2024	Specific Conductance @ 25C (field)	986	micromhos/cm
R201	Background	E005	05/07/2024	Sulfate, total	155	mg/L
R201	Background	E005	05/07/2024	Temperature	16.2	degrees C
R201	Background	E005	05/07/2024	Thallium, total	0.001 U	mg/L
R201	Background	E005	05/07/2024	Total Dissolved Solids	668	mg/L
R201	Background	E005	05/07/2024	Turbidity, field	6.80	NTU
G206	Compliance	E005	04/30/2024	Antimony, total	0.0004 U	mg/L
G206	Compliance	E005	04/30/2024	Arsenic, total	0.00110	mg/L
G206	Compliance	E005	04/30/2024	Barium, total	0.0784	mg/L
G206	Compliance	E005	04/30/2024	Beryllium, total	0.0002 U	mg/L
G206	Compliance	E005	04/30/2024	Boron, total	0.0092 U	mg/L
G206	Compliance	E005	04/30/2024	Cadmium, total	0.0002 U	mg/L
G206	Compliance	E005	04/30/2024	Calcium, total	94.1	mg/L
G206	Compliance	E005	04/30/2024	Chloride, total	23.0	mg/L
G206	Compliance	E005	04/30/2024	Chromium, total	0.00230 J+	mg/L
G206	Compliance	E005	04/30/2024	Cobalt, total	0.0007 J	mg/L
G206	Compliance	E005	04/30/2024	Dissolved Oxygen	1.71	mg/L
G206	Compliance	E005	04/30/2024	Fluoride, total	0.400	mg/L
G206	Compliance	E005	04/30/2024	Lead, total	0.0006 U	mg/L
G206	Compliance	E005	04/30/2024	Lithium, total	0.0027 J	mg/L
G206	Compliance	E005	04/30/2024	Mercury, total	0.00006 U	mg/L
G206	Compliance	E005	04/30/2024	Molybdenum, total	0.00180	mg/L
G206	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-37.0	mV
G206	Compliance	E005	04/30/2024	pH (field)	7.1	SU
G206	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.266	pCi/L
G206	Compliance	E005	04/30/2024	Selenium, total	0.0006 U	mg/L
G206	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	858	micromhos/cm
G206	Compliance	E005	04/30/2024	Sulfate, total	179	mg/L
G206	Compliance	E005	04/30/2024	Temperature	15.1	degrees C
G206	Compliance	E005	04/30/2024	Thallium, total	0.001 U	mg/L
G206	Compliance	E005	04/30/2024	Total Dissolved Solids	550	mg/L
G206	Compliance	E005	04/30/2024	Turbidity, field	13.0	NTU
G206D	Compliance	E005	04/30/2024	Antimony, total	0.0004 U	mg/L
G206D	Compliance	E005	04/30/2024	Arsenic, total	0.0119	mg/L
G206D	Compliance	E005	04/30/2024	Barium, total	0.269	mg/L
G206D	Compliance	E005	04/30/2024	Beryllium, total	0.0002 U	mg/L
G206D	Compliance	E005	04/30/2024	Boron, total	0.121	mg/L
G206D	Compliance	E005	04/30/2024	Cadmium, total	0.0002 U	mg/L
G206D	Compliance	E005	04/30/2024	Calcium, total	82.0	mg/L
G206D	Compliance	E005	04/30/2024	Chloride, total	19.0	mg/L
G206D	Compliance	E005	04/30/2024	Chromium, total	0.00240 J+	mg/L
G206D	Compliance	E005	04/30/2024	Cobalt, total	0.0005 J	mg/L
G206D	Compliance	E005	04/30/2024	Dissolved Oxygen	0.710	mg/L
G206D	Compliance	E005	04/30/2024	Fluoride, total	0.950	mg/L
G206D	Compliance	E005	04/30/2024	Lead, total	0.0006 U	mg/L
G206D	Compliance	E005	04/30/2024	Lithium, total	0.00300	mg/L

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GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G206D	Compliance	E005	04/30/2024	Mercury, total	0.00006 U	mg/L
G206D	Compliance	E005	04/30/2024	Molybdenum, total	0.0115	mg/L
G206D	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-104	mV
G206D	Compliance	E005	04/30/2024	pH (field)	7.3	SU
G206D	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.33	pCi/L
G206D	Compliance	E005	04/30/2024	Selenium, total	0.0006 U	mg/L
G206D	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	982	micromhos/cm
G206D	Compliance	E005	04/30/2024	Sulfate, total	120	mg/L
G206D	Compliance	E005	04/30/2024	Temperature	15.9	degrees C
G206D	Compliance	E005	04/30/2024	Thallium, total	0.001 U	mg/L
G206D	Compliance	E005	04/30/2024	Total Dissolved Solids	630	mg/L
G206D	Compliance	E005	04/30/2024	Turbidity, field	13.0	NTU
G209	Compliance	E005	05/01/2024	Antimony, total	0.0009 J	mg/L
G209	Compliance	E005	05/01/2024	Arsenic, total	0.00150	mg/L
G209	Compliance	E005	05/01/2024	Barium, total	0.0750	mg/L
G209	Compliance	E005	05/01/2024	Beryllium, total	0.0002 U	mg/L
G209	Compliance	E005	05/01/2024	Boron, total	0.0092 U	mg/L
G209	Compliance	E005	05/01/2024	Cadmium, total	0.0002 U	mg/L
G209	Compliance	E005	05/01/2024	Calcium, total	159	mg/L
G209	Compliance	E005	05/01/2024	Chloride, total	59.0	mg/L
G209	Compliance	E005	05/01/2024	Chromium, total	0.00160 J+	mg/L
G209	Compliance	E005	05/01/2024	Cobalt, total	0.0005 J	mg/L
G209	Compliance	E005	05/01/2024	Dissolved Oxygen	0.870	mg/L
G209	Compliance	E005	05/01/2024	Fluoride, total	0.520	mg/L
G209	Compliance	E005	05/01/2024	Lead, total	0.0006 U	mg/L
G209	Compliance	E005	05/01/2024	Lithium, total	0.00500	mg/L
G209	Compliance	E005	05/01/2024	Mercury, total	0.00006 U	mg/L
G209	Compliance	E005	05/01/2024	Molybdenum, total	0.00330	mg/L
G209	Compliance	E005	05/01/2024	Oxidation Reduction Potential	-7.00	mV
G209	Compliance	E005	05/01/2024	pH (field)	7.0	SU
G209	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	0.653	pCi/L
G209	Compliance	E005	05/01/2024	Selenium, total	0.0006 U	mg/L
G209	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	1,540	micromhos/cm
G209	Compliance	E005	05/01/2024	Sulfate, total	233	mg/L
G209	Compliance	E005	05/01/2024	Temperature	13.9	degrees C
G209	Compliance	E005	05/01/2024	Thallium, total	0.001 U	mg/L
G209	Compliance	E005	05/01/2024	Total Dissolved Solids	924	mg/L
G209	Compliance	E005	05/01/2024	Turbidity, field	11.0	NTU
G212	Compliance	E005	05/01/2024	Antimony, total	0.0005 U	mg/L
G212	Compliance	E005	05/01/2024	Arsenic, total	0.0004 U	mg/L
G212	Compliance	E005	05/01/2024	Barium, total	0.0549	mg/L
G212	Compliance	E005	05/01/2024	Beryllium, total	0.0002 U	mg/L
G212	Compliance	E005	05/01/2024	Boron, total	0.0092 U	mg/L
G212	Compliance	E005	05/01/2024	Cadmium, total	0.0002 U	mg/L
G212	Compliance	E005	05/01/2024	Calcium, total	59.0	mg/L
G212	Compliance	E005	05/01/2024	Chloride, total	44.0	mg/L

TABLE 1.
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845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G212	Compliance	E005	05/01/2024	Chromium, total	0.0015 UJ	mg/L
G212	Compliance	E005	05/01/2024	Cobalt, total	0.0001 U	mg/L
G212	Compliance	E005	05/01/2024	Dissolved Oxygen	1.24	mg/L
G212	Compliance	E005	05/01/2024	Fluoride, total	0.320	mg/L
G212	Compliance	E005	05/01/2024	Lead, total	0.0006 U	mg/L
G212	Compliance	E005	05/01/2024	Lithium, total	0.0017 J	mg/L
G212	Compliance	E005	05/01/2024	Mercury, total	0.00006 U	mg/L
G212	Compliance	E005	05/01/2024	Molybdenum, total	0.0006 U	mg/L
G212	Compliance	E005	05/01/2024	Oxidation Reduction Potential	133	mV
G212	Compliance	E005	05/01/2024	pH (field)	7.2	SU
G212	Compliance	E005	05/01/2024	Radium 226 + Radium 228, total	1.07	pCi/L
G212	Compliance	E005	05/01/2024	Selenium, total	0.00100 J+	mg/L
G212	Compliance	E005	05/01/2024	Specific Conductance @ 25C (field)	681	micromhos/cm
G212	Compliance	E005	05/01/2024	Sulfate, total	58.0	mg/L
G212	Compliance	E005	05/01/2024	Temperature	14.6	degrees C
G212	Compliance	E005	05/01/2024	Thallium, total	0.001 U	mg/L
G212	Compliance	E005	05/01/2024	Total Dissolved Solids	470	mg/L
G212	Compliance	E005	05/01/2024	Turbidity, field	4.60	NTU
G213	Compliance	E005	05/06/2024	Antimony, total	0.0006 U	mg/L
G213	Compliance	E005	05/06/2024	Arsenic, total	0.00130	mg/L
G213	Compliance	E005	05/06/2024	Barium, total	0.0578	mg/L
G213	Compliance	E005	05/06/2024	Beryllium, total	0.0002 U	mg/L
G213	Compliance	E005	05/06/2024	Boron, total	0.0092 U	mg/L
G213	Compliance	E005	05/06/2024	Cadmium, total	0.0002 U	mg/L
G213	Compliance	E005	05/06/2024	Calcium, total	69.5	mg/L
G213	Compliance	E005	05/06/2024	Chloride, total	55.0	mg/L
G213	Compliance	E005	05/06/2024	Chromium, total	0.00440 J+	mg/L
G213	Compliance	E005	05/06/2024	Cobalt, total	0.0008 J	mg/L
G213	Compliance	E005	05/06/2024	Dissolved Oxygen	0.900	mg/L
G213	Compliance	E005	05/06/2024	Fluoride, total	0.340	mg/L
G213	Compliance	E005	05/06/2024	Lead, total	0.00140	mg/L
G213	Compliance	E005	05/06/2024	Lithium, total	0.00420	mg/L
G213	Compliance	E005	05/06/2024	Mercury, total	0.00006 U	mg/L
G213	Compliance	E005	05/06/2024	Molybdenum, total	0.00150 J	mg/L
G213	Compliance	E005	05/06/2024	Oxidation Reduction Potential	64.0	mV
G213	Compliance	E005	05/06/2024	pH (field)	7.1	SU
G213	Compliance	E005	05/06/2024	Radium 226 + Radium 228, total	0.719	pCi/L
G213	Compliance	E005	05/06/2024	Selenium, total	0.00110 J+	mg/L
G213	Compliance	E005	05/06/2024	Specific Conductance @ 25C (field)	668	micromhos/cm
G213	Compliance	E005	05/06/2024	Sulfate, total	74.0	mg/L
G213	Compliance	E005	05/06/2024	Temperature	15.4	degrees C
G213	Compliance	E005	05/06/2024	Thallium, total	0.001 U	mg/L
G213	Compliance	E005	05/06/2024	Total Dissolved Solids	390	mg/L
G213	Compliance	E005	05/06/2024	Turbidity, field	32.0	NTU
G215	Compliance	E005	04/30/2024	Antimony, total	0.0004 U	mg/L
G215	Compliance	E005	04/30/2024	Arsenic, total	0.00220	mg/L

TABLE 1.
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COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G215	Compliance	E005	04/30/2024	Barium, total	0.0356	mg/L
G215	Compliance	E005	04/30/2024	Beryllium, total	0.0002 U	mg/L
G215	Compliance	E005	04/30/2024	Boron, total	0.886	mg/L
G215	Compliance	E005	04/30/2024	Cadmium, total	0.0002 U	mg/L
G215	Compliance	E005	04/30/2024	Calcium, total	181	mg/L
G215	Compliance	E005	04/30/2024	Chloride, total	149	mg/L
G215	Compliance	E005	04/30/2024	Chromium, total	0.0007 U	mg/L
G215	Compliance	E005	04/30/2024	Cobalt, total	0.0006 J	mg/L
G215	Compliance	E005	04/30/2024	Dissolved Oxygen	0.690	mg/L
G215	Compliance	E005	04/30/2024	Fluoride, total	0.320	mg/L
G215	Compliance	E005	04/30/2024	Lead, total	0.0006 U	mg/L
G215	Compliance	E005	04/30/2024	Lithium, total	0.00910	mg/L
G215	Compliance	E005	04/30/2024	Mercury, total	0.00006 U	mg/L
G215	Compliance	E005	04/30/2024	Molybdenum, total	0.0006 U	mg/L
G215	Compliance	E005	04/30/2024	Oxidation Reduction Potential	-8.00	mV
G215	Compliance	E005	04/30/2024	pH (field)	6.9	SU
G215	Compliance	E005	04/30/2024	Radium 226 + Radium 228, total	0.201	pCi/L
G215	Compliance	E005	04/30/2024	Selenium, total	0.0006 U	mg/L
G215	Compliance	E005	04/30/2024	Specific Conductance @ 25C (field)	1,910	micromhos/cm
G215	Compliance	E005	04/30/2024	Sulfate, total	555	mg/L
G215	Compliance	E005	04/30/2024	Temperature	15.1	degrees C
G215	Compliance	E005	04/30/2024	Thallium, total	0.001 U	mg/L
G215	Compliance	E005	04/30/2024	Total Dissolved Solids	1,370	mg/L
G215	Compliance	E005	04/30/2024	Turbidity, field	10.0	NTU
G217	Compliance	E005	05/02/2024	Antimony, total	0.0006 U	mg/L
G217	Compliance	E005	05/02/2024	Arsenic, total	0.0005 J	mg/L
G217	Compliance	E005	05/02/2024	Barium, total	0.0828	mg/L
G217	Compliance	E005	05/02/2024	Beryllium, total	0.0002 U	mg/L
G217	Compliance	E005	05/02/2024	Boron, total	0.0270	mg/L
G217	Compliance	E005	05/02/2024	Cadmium, total	0.0002 U	mg/L
G217	Compliance	E005	05/02/2024	Calcium, total	211	mg/L
G217	Compliance	E005	05/02/2024	Chloride, total	131	mg/L
G217	Compliance	E005	05/02/2024	Chromium, total	0.00160 J+	mg/L
G217	Compliance	E005	05/02/2024	Cobalt, total	0.0004 J	mg/L
G217	Compliance	E005	05/02/2024	Dissolved Oxygen	0.760	mg/L
G217	Compliance	E005	05/02/2024	Fluoride, total	0.410	mg/L
G217	Compliance	E005	05/02/2024	Lead, total	0.0006 U	mg/L
G217	Compliance	E005	05/02/2024	Lithium, total	0.00370	mg/L
G217	Compliance	E005	05/02/2024	Mercury, total	0.00006 U	mg/L
G217	Compliance	E005	05/02/2024	Molybdenum, total	0.001 J	mg/L
G217	Compliance	E005	05/02/2024	Oxidation Reduction Potential	13.0	mV
G217	Compliance	E005	05/02/2024	pH (field)	6.9	SU
G217	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	0.336	pCi/L
G217	Compliance	E005	05/02/2024	Selenium, total	0.0006 U	mg/L
G217	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,560	micromhos/cm
G217	Compliance	E005	05/02/2024	Sulfate, total	460	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G217	Compliance	E005	05/02/2024	Temperature	15.6	degrees C
G217	Compliance	E005	05/02/2024	Thallium, total	0.001 U	mg/L
G217	Compliance	E005	05/02/2024	Total Dissolved Solids	1,160	mg/L
G217	Compliance	E005	05/02/2024	Turbidity, field	4.50	NTU
G218	Compliance	E005	05/02/2024	Antimony, total	0.0006 U	mg/L
G218	Compliance	E005	05/02/2024	Arsenic, total	0.00180	mg/L
G218	Compliance	E005	05/02/2024	Barium, total	0.0762	mg/L
G218	Compliance	E005	05/02/2024	Beryllium, total	0.0002 U	mg/L
G218	Compliance	E005	05/02/2024	Boron, total	0.015 J	mg/L
G218	Compliance	E005	05/02/2024	Cadmium, total	0.0002 U	mg/L
G218	Compliance	E005	05/02/2024	Calcium, total	190	mg/L
G218	Compliance	E005	05/02/2024	Chloride, total	122	mg/L
G218	Compliance	E005	05/02/2024	Chromium, total	0.00310 J+	mg/L
G218	Compliance	E005	05/02/2024	Cobalt, total	0.0006 J	mg/L
G218	Compliance	E005	05/02/2024	Dissolved Oxygen	0.630	mg/L
G218	Compliance	E005	05/02/2024	Fluoride, total	0.320	mg/L
G218	Compliance	E005	05/02/2024	Lead, total	0.0007 J	mg/L
G218	Compliance	E005	05/02/2024	Lithium, total	0.00480	mg/L
G218	Compliance	E005	05/02/2024	Mercury, total	0.00006 U	mg/L
G218	Compliance	E005	05/02/2024	Molybdenum, total	0.0006 J	mg/L
G218	Compliance	E005	05/02/2024	Oxidation Reduction Potential	-21.0	mV
G218	Compliance	E005	05/02/2024	pH (field)	6.9	SU
G218	Compliance	E005	05/02/2024	Radium 226 + Radium 228, total	0.311	pCi/L
G218	Compliance	E005	05/02/2024	Selenium, total	0.0006 U	mg/L
G218	Compliance	E005	05/02/2024	Specific Conductance @ 25C (field)	1,520	micromhos/cm
G218	Compliance	E005	05/02/2024	Sulfate, total	423	mg/L
G218	Compliance	E005	05/02/2024	Temperature	15.7	degrees C
G218	Compliance	E005	05/02/2024	Thallium, total	0.001 U	mg/L
G218	Compliance	E005	05/02/2024	Total Dissolved Solids	1,100	mg/L
G218	Compliance	E005	05/02/2024	Turbidity, field	26.0	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 2, 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	E005	Antimony, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G206	UA	E005	Arsenic, total	mg/L	11/18/15 - 04/30/24	23	67	CI around median	0.001	0.0110	Background	No Exceedance
G206	UA	E005	Barium, total	mg/L	11/18/15 - 04/30/24	23	3	CI around mean	0.0483	2.0	Standard	No Exceedance
G206	UA	E005	Beryllium, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G206	UA	E005	Boron, total	mg/L	11/18/15 - 04/30/24	30	79	CI around median	0.01	2	Standard	No Exceedance
G206	UA	E005	Cadmium, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G206	UA	E005	Chloride, total	mg/L	11/18/15 - 04/30/24	30	0	CB around linear reg	18.9	200	Standard	No Exceedance
G206	UA	E005	Chromium, total	mg/L	11/18/15 - 04/30/24	23	83	CB around T-S line	0.0031	0.1	Standard	No Exceedance
G206	UA	E005	Cobalt, total	mg/L	11/18/15 - 04/30/24	23	97	CB around T-S line	0.00168	0.006	Standard	No Exceedance
G206	UA	E005	Fluoride, total	mg/L	11/18/15 - 04/30/24	31	5	CI around mean	0.386	4.0	Standard	No Exceedance
G206	UA	E005	Lead, total	mg/L	11/18/15 - 04/30/24	23	94	CI around median	0.001	0.0075	Standard	No Exceedance
G206	UA	E005	Lithium, total	mg/L	11/18/15 - 04/30/24	16	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G206	UA	E005	Mercury, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G206	UA	E005	Molybdenum, total	mg/L	11/18/15 - 04/30/24	23	64	CI around median	0.001	0.1	Standard	No Exceedance
G206	UA	E005	pH (field)	SU	11/18/15 - 04/30/24	32	0	CI around median	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
G206	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 04/30/24	16	0	CI around mean	0.419	5	Standard	No Exceedance
G206	UA	E005	Selenium, total	mg/L	11/18/15 - 04/30/24	23	83	CI around median	0.001	0.05	Standard	No Exceedance
G206	UA	E005	Sulfate, total	mg/L	11/18/15 - 04/30/24	30	0	CB around linear reg	129	400	Standard	No Exceedance
G206	UA	E005	Thallium, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G206	UA	E005	Total Dissolved Solids	mg/L	11/18/15 - 04/30/24	30	0	CB around T-S line	484	1,200	Standard	No Exceedance
G206D	DA	E005	Antimony, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G206D	DA	E005	Arsenic, total	mg/L	03/30/21 - 04/30/24	11	0	CI around mean	0.00483	0.0110	Background	No Exceedance
G206D	DA	E005	Barium, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	0.163	2.0	Standard	No Exceedance
G206D	DA	E005	Beryllium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G206D	DA	E005	Boron, total	mg/L	03/30/21 - 04/30/24	11	0	CI around mean	0.115	2	Standard	No Exceedance
G206D	DA	E005	Cadmium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G206D	DA	E005	Chloride, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	3.88	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 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	E005	Chromium, total	mg/L	03/30/21 - 04/30/24	11	82	CB around T-S line	-0.00434	0.1	Standard	No Exceedance
G206D	DA	E005	Cobalt, total	mg/L	03/30/21 - 04/30/24	11	91	CB around T-S line	-3.9e-05	0.006	Standard	No Exceedance
G206D	DA	E005	Fluoride, total	mg/L	03/30/21 - 04/30/24	11	0	CI around mean	0.707	4.0	Standard	No Exceedance
G206D	DA	E005	Lead, total	mg/L	03/30/21 - 04/30/24	11	82	CI around median	0.001	0.0075	Standard	No Exceedance
G206D	DA	E005	Lithium, total	mg/L	03/30/21 - 04/30/24	11	91	CB around T-S line	-0.00221	0.04	Standard	No Exceedance
G206D	DA	E005	Mercury, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G206D	DA	E005	Molybdenum, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	0.00582	0.1	Standard	No Exceedance
G206D	DA	E005	pH (field)	SU	03/30/21 - 04/30/24	11	0	CI around mean	7.0/7.4	6.5/9.0	Standard/Standard	No Exceedance
G206D	DA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 04/30/24	12	0	CI around mean	0.28	5	Standard	No Exceedance
G206D	DA	E005	Selenium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G206D	DA	E005	Sulfate, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	-87.5	400	Standard	No Exceedance
G206D	DA	E005	Thallium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G206D	DA	E005	Total Dissolved Solids	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	426	1,200	Standard	No Exceedance
G209	UA	E005	Antimony, total	mg/L	11/18/15 - 05/01/24	23	97	CB around T-S line	0.00236	0.006	Standard	No Exceedance
G209	UA	E005	Arsenic, total	mg/L	11/18/15 - 05/01/24	23	41	CI around geomean	0.00114	0.0110	Background	No Exceedance
G209	UA	E005	Barium, total	mg/L	11/18/15 - 05/01/24	23	0	CI around mean	0.058	2.0	Standard	No Exceedance
G209	UA	E005	Beryllium, total	mg/L	11/18/15 - 05/01/24	23	97	Most recent sample	0.001	0.004	Standard	No Exceedance
G209	UA	E005	Boron, total	mg/L	11/18/15 - 05/01/24	30	58	CI around median	0.01	2	Standard	No Exceedance
G209	UA	E005	Cadmium, total	mg/L	11/18/15 - 05/01/24	23	98	Most recent sample	0.001	0.005	Standard	No Exceedance
G209	UA	E005	Chloride, total	mg/L	11/18/15 - 05/01/24	30	0	CI around median	59	200	Standard	No Exceedance
G209	UA	E005	Chromium, total	mg/L	11/18/15 - 05/01/24	23	69	CB around T-S line	0.00323	0.1	Standard	No Exceedance
G209	UA	E005	Cobalt, total	mg/L	11/18/15 - 05/01/24	23	89	CB around T-S line	0.00168	0.006	Standard	No Exceedance
G209	UA	E005	Fluoride, total	mg/L	11/18/15 - 05/01/24	31	2	CI around mean	0.409	4.0	Standard	No Exceedance
G209	UA	E005	Lead, total	mg/L	11/18/15 - 05/01/24	23	87	CI around median	0.001	0.0075	Standard	No Exceedance
G209	UA	E005	Lithium, total	mg/L	11/18/15 - 05/01/24	16	75	CI around median	0.0058	0.04	Standard	No Exceedance
G209	UA	E005	Mercury, total	mg/L	11/18/15 - 05/01/24	23	97	Most recent sample	0.0002	0.002	Standard	No Exceedance
G209	UA	E005	Molybdenum, total	mg/L	11/18/15 - 05/01/24	23	8	CB around linear reg	0.00203	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 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	E005	pH (field)	SU	11/18/15 - 05/01/24	34	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G209	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 05/01/24	16	0	CI around mean	0.494	5	Standard	No Exceedance
G209	UA	E005	Selenium, total	mg/L	11/18/15 - 05/01/24	23	63	CI around median	0.001	0.05	Standard	No Exceedance
G209	UA	E005	Sulfate, total	mg/L	11/18/15 - 05/01/24	30	0	CB around T-S line	214	400	Standard	No Exceedance
G209	UA	E005	Thallium, total	mg/L	11/18/15 - 05/01/24	23	94	CB around T-S line	0.001	0.002	Standard	No Exceedance
G209	UA	E005	Total Dissolved Solids	mg/L	11/18/15 - 05/01/24	30	0	CB around linear reg	814	1,200	Standard	No Exceedance
G212	UA	E005	Antimony, total	mg/L	11/18/15 - 05/01/24	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G212	UA	E005	Arsenic, total	mg/L	11/18/15 - 05/01/24	23	85	CI around median	0.001	0.0110	Background	No Exceedance
G212	UA	E005	Barium, total	mg/L	11/18/15 - 05/01/24	23	0	CI around mean	0.049	2.0	Standard	No Exceedance
G212	UA	E005	Beryllium, total	mg/L	11/18/15 - 05/01/24	23	97	CI around median	0.001	0.004	Standard	No Exceedance
G212	UA	E005	Boron, total	mg/L	11/18/15 - 05/01/24	30	83	CI around median	0.01	2	Standard	No Exceedance
G212	UA	E005	Cadmium, total	mg/L	11/18/15 - 05/01/24	23	98	CI around median	0.001	0.005	Standard	No Exceedance
G212	UA	E005	Chloride, total	mg/L	11/18/15 - 05/01/24	30	0	CB around linear reg	43.6	200	Standard	No Exceedance
G212	UA	E005	Chromium, total	mg/L	11/18/15 - 05/01/24	23	86	CB around T-S line	0.0032	0.1	Standard	No Exceedance
G212	UA	E005	Cobalt, total	mg/L	11/18/15 - 05/01/24	23	97	CB around T-S line	0.00168	0.006	Standard	No Exceedance
G212	UA	E005	Fluoride, total	mg/L	11/18/15 - 05/01/24	30	12	CI around median	0.32	4.0	Standard	No Exceedance
G212	UA	E005	Lead, total	mg/L	11/18/15 - 05/01/24	23	85	CI around median	0.001	0.0075	Standard	No Exceedance
G212	UA	E005	Lithium, total	mg/L	11/18/15 - 05/01/24	16	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G212	UA	E005	Mercury, total	mg/L	11/18/15 - 05/01/24	23	97	CI around median	0.0002	0.002	Standard	No Exceedance
G212	UA	E005	Molybdenum, total	mg/L	11/18/15 - 05/01/24	23	72	CI around median	0.001	0.1	Standard	No Exceedance
G212	UA	E005	pH (field)	SU	11/18/15 - 05/01/24	31	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G212	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 05/01/24	16	0	CI around mean	0.44	5	Standard	No Exceedance
G212	UA	E005	Selenium, total	mg/L	11/18/15 - 05/01/24	23	14	CB around linear reg	-5.18e-05	0.05	Standard	No Exceedance
G212	UA	E005	Sulfate, total	mg/L	11/18/15 - 05/01/24	30	0	CI around mean	53.5	400	Standard	No Exceedance
G212	UA	E005	Thallium, total	mg/L	11/18/15 - 05/01/24	23	97	CB around T-S line	0.001	0.002	Standard	No Exceedance
G212	UA	E005	Total Dissolved Solids	mg/L	11/18/15 - 05/01/24	30	0	CB around linear reg	395	1,200	Standard	No Exceedance
G213	UA	E005	Antimony, total	mg/L	10/13/20 - 05/06/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 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	E005	Arsenic, total	mg/L	10/13/20 - 05/06/24	15	68	CI around median	0.001	0.0110	Background	No Exceedance
G213	UA	E005	Barium, total	mg/L	10/13/20 - 05/06/24	15	0	CI around mean	0.0466	2.0	Standard	No Exceedance
G213	UA	E005	Beryllium, total	mg/L	10/13/20 - 05/06/24	15	93	Most recent sample	0.001	0.004	Standard	No Exceedance
G213	UA	E005	Boron, total	mg/L	10/13/20 - 05/06/24	15	90	CB around T-S line	0.01	2	Standard	No Exceedance
G213	UA	E005	Cadmium, total	mg/L	10/13/20 - 05/06/24	15	97	Most recent sample	0.001	0.005	Standard	No Exceedance
G213	UA	E005	Chloride, total	mg/L	10/13/20 - 05/06/24	15	0	CI around mean	42.1	200	Standard	No Exceedance
G213	UA	E005	Chromium, total	mg/L	10/13/20 - 05/06/24	15	59	CI around median	0.004	0.1	Standard	No Exceedance
G213	UA	E005	Cobalt, total	mg/L	10/13/20 - 05/06/24	15	85	CB around T-S line	0.000727	0.006	Standard	No Exceedance
G213	UA	E005	Fluoride, total	mg/L	10/13/20 - 05/06/24	15	7	CI around median	0.267	4.0	Standard	No Exceedance
G213	UA	E005	Lead, total	mg/L	10/13/20 - 05/06/24	15	68	CI around median	0.001	0.0075	Standard	No Exceedance
G213	UA	E005	Lithium, total	mg/L	02/15/23 - 05/06/24	6	33	CI around median (Last Sample, n<7)	0.0042	0.04	Standard	No Exceedance
G213	UA	E005	Mercury, total	mg/L	10/13/20 - 05/06/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G213	UA	E005	Molybdenum, total	mg/L	10/13/20 - 05/06/24	15	82	CB around T-S line	0.001	0.1	Standard	No Exceedance
G213	UA	E005	pH (field)	SU	10/13/20 - 05/06/24	15	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G213	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 05/06/24	6	0	CI around mean	-0.141	5	Standard	No Exceedance
G213	UA	E005	Selenium, total	mg/L	10/13/20 - 05/06/24	15	26	CI around median	0.001	0.05	Standard	No Exceedance
G213	UA	E005	Sulfate, total	mg/L	10/13/20 - 05/06/24	15	0	CB around linear reg	62.5	400	Standard	No Exceedance
G213	UA	E005	Thallium, total	mg/L	10/13/20 - 05/06/24	15	96	CB around T-S line	0.001	0.002	Standard	No Exceedance
G213	UA	E005	Total Dissolved Solids	mg/L	10/13/20 - 05/06/24	15	0	CI around mean	375	1,200	Standard	No Exceedance
G215	UA	E005	Antimony, total	mg/L	11/24/15 - 04/30/24	23	97	CB around T-S line	0.00215	0.006	Standard	No Exceedance
G215	UA	E005	Arsenic, total	mg/L	11/24/15 - 04/30/24	23	20	CB around T-S line	-0.0286	0.0110	Background	No Exceedance
G215	UA	E005	Barium, total	mg/L	11/24/15 - 04/30/24	23	0	CB around linear reg	0.00672	2.0	Standard	No Exceedance
G215	UA	E005	Beryllium, total	mg/L	11/24/15 - 04/30/24	23	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G215	UA	E005	Boron, total	mg/L	11/24/15 - 04/30/24	31	24	CB around linear reg	0.667	2	Standard	No Exceedance
G215	UA	E005	Cadmium, total	mg/L	11/24/15 - 04/30/24	23	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G215	UA	E005	Chloride, total	mg/L	11/24/15 - 04/30/24	31	0	CB around T-S line	96	200	Standard	No Exceedance
G215	UA	E005	Chromium, total	mg/L	11/24/15 - 04/30/24	23	91	CB around T-S line	0.0032	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 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	E005	Cobalt, total	mg/L	11/24/15 - 04/30/24	23	91	CB around T-S line	0.00116	0.006	Standard	No Exceedance
G215	UA	E005	Fluoride, total	mg/L	11/24/15 - 04/30/24	31	14	CB around T-S line	0.184	4.0	Standard	No Exceedance
G215	UA	E005	Lead, total	mg/L	11/24/15 - 04/30/24	23	85	CI around median	0.001	0.0075	Standard	No Exceedance
G215	UA	E005	Lithium, total	mg/L	11/24/15 - 04/30/24	16	75	CI around median	0.0096	0.04	Standard	No Exceedance
G215	UA	E005	Mercury, total	mg/L	11/24/15 - 04/30/24	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G215	UA	E005	Molybdenum, total	mg/L	11/24/15 - 04/30/24	23	88	CI around median	0.001	0.1	Standard	No Exceedance
G215	UA	E005	pH (field)	SU	11/24/15 - 04/30/24	33	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G215	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 04/30/24	16	0	CI around mean	0.458	5	Standard	No Exceedance
G215	UA	E005	Selenium, total	mg/L	11/24/15 - 04/30/24	23	91	CI around median	0.001	0.05	Standard	No Exceedance
G215	UA	E005	Sulfate, total	mg/L	11/24/15 - 04/30/24	31	0	CB around linear reg	519	400	Standard	Exceedance
G215	UA	E005	Thallium, total	mg/L	11/24/15 - 04/30/24	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G215	UA	E005	Total Dissolved Solids	mg/L	11/24/15 - 04/30/24	31	0	CB around linear reg	1,240	1,200	Standard	Exceedance
G217	UA	E005	Antimony, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G217	UA	E005	Arsenic, total	mg/L	10/14/20 - 05/02/24	15	84	CI around median	0.001	0.0110	Background	No Exceedance
G217	UA	E005	Barium, total	mg/L	10/14/20 - 05/02/24	15	0	CI around mean	0.0925	2.0	Standard	No Exceedance
G217	UA	E005	Beryllium, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G217	UA	E005	Boron, total	mg/L	10/14/20 - 05/02/24	15	71	CB around T-S line	0.01	2	Standard	No Exceedance
G217	UA	E005	Cadmium, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G217	UA	E005	Chloride, total	mg/L	10/14/20 - 05/02/24	15	0	CB around linear reg	114	200	Standard	No Exceedance
G217	UA	E005	Chromium, total	mg/L	10/14/20 - 05/02/24	15	69	CB around T-S line	0.000938	0.1	Standard	No Exceedance
G217	UA	E005	Cobalt, total	mg/L	10/14/20 - 05/02/24	15	88	CB around T-S line	0.00073	0.006	Standard	No Exceedance
G217	UA	E005	Fluoride, total	mg/L	10/14/20 - 05/02/24	15	12	CI around median	0.296	4.0	Standard	No Exceedance
G217	UA	E005	Lead, total	mg/L	10/14/20 - 05/02/24	15	90	CI around median	0.001	0.0075	Standard	No Exceedance
G217	UA	E005	Lithium, total	mg/L	02/15/23 - 05/02/24	6	33	CI around median (Last Sample, n<7)	0.0037	0.04	Standard	No Exceedance
G217	UA	E005	Mercury, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G217	UA	E005	Molybdenum, total	mg/L	10/14/20 - 05/02/24	15	88	CB around T-S line	0.001	0.1	Standard	No Exceedance
G217	UA	E005	pH (field)	SU	10/14/20 - 05/02/24	15	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 2, 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	E005	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 05/02/24	6	0	CI around mean	0.314	5	Standard	No Exceedance
G217	UA	E005	Selenium, total	mg/L	10/14/20 - 05/02/24	15	77	Most recent sample	0.001	0.05	Standard	No Exceedance
G217	UA	E005	Sulfate, total	mg/L	10/14/20 - 05/02/24	15	0	CB around linear reg	414	400	Standard	Exceedance
G217	UA	E005	Thallium, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G217	UA	E005	Total Dissolved Solids	mg/L	10/14/20 - 05/02/24	15	0	CB around linear reg	1,030	1,200	Standard	No Exceedance
G218	UA	E005	Antimony, total	mg/L	11/24/15 - 05/02/24	23	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G218	UA	E005	Arsenic, total	mg/L	11/24/15 - 05/02/24	23	22	CI around geomean	0.00131	0.0110	Background	No Exceedance
G218	UA	E005	Barium, total	mg/L	11/24/15 - 05/02/24	23	0	CB around linear reg	0.0764	2.0	Standard	No Exceedance
G218	UA	E005	Beryllium, total	mg/L	11/24/15 - 05/02/24	23	97	CI around median	0.001	0.004	Standard	No Exceedance
G218	UA	E005	Boron, total	mg/L	11/24/15 - 05/02/24	30	77	CB around T-S line	0.01	2	Standard	No Exceedance
G218	UA	E005	Cadmium, total	mg/L	11/24/15 - 05/02/24	23	98	CI around median	0.001	0.005	Standard	No Exceedance
G218	UA	E005	Chloride, total	mg/L	11/24/15 - 05/02/24	30	0	CI around median	84	200	Standard	No Exceedance
G218	UA	E005	Chromium, total	mg/L	11/24/15 - 05/02/24	23	74	CB around T-S line	0.00215	0.1	Standard	No Exceedance
G218	UA	E005	Cobalt, total	mg/L	11/24/15 - 05/02/24	23	89	CB around T-S line	0.00168	0.006	Standard	No Exceedance
G218	UA	E005	Fluoride, total	mg/L	11/24/15 - 05/02/24	31	12	CI around mean	0.288	4.0	Standard	No Exceedance
G218	UA	E005	Lead, total	mg/L	11/24/15 - 05/02/24	23	91	CI around median	0.001	0.0075	Standard	No Exceedance
G218	UA	E005	Lithium, total	mg/L	11/24/15 - 05/02/24	16	75	CI around median	0.0048	0.04	Standard	No Exceedance
G218	UA	E005	Mercury, total	mg/L	11/24/15 - 05/02/24	23	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G218	UA	E005	Molybdenum, total	mg/L	11/24/15 - 05/02/24	23	88	CI around median	0.001	0.1	Standard	No Exceedance
G218	UA	E005	pH (field)	SU	11/24/15 - 05/02/24	32	0	CI around mean	6.9/7.0	6.5/9.0	Standard/Standard	No Exceedance
G218	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 05/02/24	16	0	CI around mean	0.569	5	Standard	No Exceedance
G218	UA	E005	Selenium, total	mg/L	11/24/15 - 05/02/24	23	86	CI around median	0.001	0.05	Standard	No Exceedance
G218	UA	E005	Sulfate, total	mg/L	11/24/15 - 05/02/24	30	0	CB around linear reg	341	400	Standard	No Exceedance
G218	UA	E005	Thallium, total	mg/L	11/24/15 - 05/02/24	23	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G218	UA	E005	Total Dissolved Solids	mg/L	11/24/15 - 05/02/24	31	0	CB around linear reg	910	1,200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 2, 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
GROUNDWATER ELEVATION DATA
QUARTER 2, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 2, 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	04/29/2024	2.45	623.26
G206	Compliance	04/29/2024	9.79	622.94
G206D	Compliance	04/29/2024	29.68	604.17
G209	Compliance	04/29/2024	9.68	623.00
G212	Compliance	04/29/2024	10.45	622.32
G213	Compliance	04/29/2024	11.03	621.77
G215	Compliance	04/29/2024	13.95	619.01
G217	Compliance	04/29/2024	13.39	619.65
G218	Compliance	04/29/2024	13.15	619.76
R201	Background	04/29/2024	2.74	623.38
NE Riser	Water Level	04/29/2024	Not Measured	

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

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

June 17, 2024

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



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

RE: COF-24Q2

WorkOrder: 24041541

Dear Eric Bauer:

TEKLAB, INC received 16 samples for COF_845_103 on 5/8/2024 1:48:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

This reporting package includes the following:

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Receiving Check List	216
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)



Definitions

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

Qualifiers

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



Case Narrative

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

Client: Ramboll
Client Project: COF-24Q2

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

Cooler Receipt Temp: 1.7 °C

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

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

G120, G208, G209, G210, G213, G273, and G283 collection times per field files. EAH 5/14/24

Per Eric Bauer's request, only COF_845_103 data is included in this report. EAH 6/17/24

Locations

Collinsville

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

Collinsville Air

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Email EHurley@teklabinc.com

Springfield

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Springfield, IL 62711-9415
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Fax (217) 698-1005
Email KKlostermann@teklabinc.com

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: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q2

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

Lab ID: 24041541-027

Client Sample ID: G200

Matrix: GROUNDWATER

Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.90	ft	1	05/07/2024 12:53	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		53	NTU	1	05/07/2024 12:53	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		6	mV	1	05/07/2024 12:53	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		850	µS/cm	1	05/07/2024 12:53	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	05/07/2024 12:53	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.13	mg/L	1	05/07/2024 12:53	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.19		1	05/07/2024 12:53	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		304	mg/L	1	05/14/2024 13:06	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 13:06	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		534	mg/L	1	05/08/2024 10:12	R347018
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50	S	110	mg/L	5	05/09/2024 23:58	R347057
<i>Matrix spike did not recover within control limits. Results verified by dilution.</i>									
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.36	mg/L	1	05/13/2024 12:12	R347147
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		61	mg/L	5	05/09/2024 23:58	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		94.3	mg/L	1	05/10/2024 17:01	222656
Magnesium	NELAP	0.006	0.050		42.7	mg/L	1	05/10/2024 17:01	222656
Potassium	NELAP	0.040	0.100		0.974	mg/L	1	05/10/2024 17:01	222656
Sodium	NELAP	0.018	0.050		55.6	mg/L	1	05/10/2024 17:01	222656
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		< 1.0	µg/L	5	05/16/2024 3:52	222656
Arsenic	NELAP	0.4	1.0		1.5	µg/L	5	05/14/2024 1:13	222656
Barium	NELAP	0.7	1.0		53.9	µg/L	5	05/14/2024 12:41	222656
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 1:13	222656
Boron	NELAP	9.2	20	J	11	µg/L	5	05/14/2024 1:13	222656
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 1:13	222656
Chromium	NELAP	0.7	1.5		2.0	µg/L	5	05/14/2024 1:13	222656
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	05/14/2024 1:13	222656
Lead	NELAP	0.6	1.0	J	1.0	µg/L	5	05/14/2024 1:13	222656
Lithium	*	1.4	3.0		5.7	µg/L	5	05/14/2024 12:41	222656
Molybdenum	NELAP	0.6	1.5		2.4	µg/L	5	05/16/2024 7:51	222656
Selenium	NELAP	0.6	1.0		4.4	µg/L	5	05/14/2024 1:13	222656
Thallium	NELAP	1.0	2.0	J	1.2	µg/L	5	05/14/2024 1:13	222656

LCS for Sb 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 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-027
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G200
Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/18/2024 14:38	222921



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-028
Matrix: GROUNDWATER

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

Client Sample ID: G206
Collection Date: 04/30/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.69	ft	1	04/30/2024 10:57	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	04/30/2024 10:57	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-37	mV	1	04/30/2024 10:57	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		858	µS/cm	1	04/30/2024 10:57	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.1	°C	1	04/30/2024 10:57	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.71	mg/L	1	04/30/2024 10:57	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.12		1	04/30/2024 10:57	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		275	mg/L	1	05/06/2024 9:36	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 9:36	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		550	mg/L	2.5	05/03/2024 7:55	R346753
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		179	mg/L	10	05/02/2024 6:11	R346635
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.40	mg/L	1	05/06/2024 12:15	R346823
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		23	mg/L	1	05/02/2024 6:06	R346639
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		94.1	mg/L	1	05/02/2024 15:55	222328
Magnesium	NELAP	0.006	0.050		41.5	mg/L	1	05/03/2024 13:16	222328
Potassium	NELAP	0.040	0.100		1.13	mg/L	1	05/02/2024 15:55	222328
Sodium	NELAP	0.018	0.050	B	51.0	mg/L	1	05/02/2024 15:55	222328
Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	05/09/2024 11:55	222328
Arsenic	NELAP	0.4	1.0		1.1	µg/L	5	05/07/2024 11:03	222328
Barium	NELAP	0.7	1.0		78.4	µg/L	5	05/07/2024 11:03	222328
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 11:03	222328
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/07/2024 11:03	222328
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 11:03	222328
Chromium	NELAP	0.7	1.5		2.3	µg/L	5	05/07/2024 11:03	222328
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	05/07/2024 11:03	222328
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 11:03	222328
Lithium	*	1.4	3.0	J	2.7	µg/L	5	05/07/2024 11:03	222328
Molybdenum	NELAP	0.6	1.5		1.8	µg/L	5	05/07/2024 11:03	222328
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 11:03	222328
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/07/2024 11:03	222328



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-028
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G206
Collection Date: 04/30/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/06/2024 18:20	222472



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-029
Matrix: GROUNDWATER

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

Client Sample ID: G206D

Collection Date: 04/30/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		29.57	ft	1	04/30/2024 10:28	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		13	NTU	1	04/30/2024 10:28	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-104	mV	1	04/30/2024 10:28	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		982	µS/cm	1	04/30/2024 10:28	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.9	°C	1	04/30/2024 10:28	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.71	mg/L	1	04/30/2024 10:28	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.26		1	04/30/2024 10:28	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		416	mg/L	1	05/06/2024 9:42	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 9:42	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		630	mg/L	2.5	05/03/2024 8:11	R346753
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		120	mg/L	10	05/02/2024 6:19	R346635
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.95	mg/L	1	05/06/2024 12:17	R346823
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		19	mg/L	1	05/02/2024 6:14	R346639
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		82.0	mg/L	1	05/02/2024 15:57	222328
Magnesium	NELAP	0.006	0.050		32.6	mg/L	1	05/03/2024 13:18	222328
Potassium	NELAP	0.040	0.100		1.45	mg/L	1	05/02/2024 15:57	222328
Sodium	NELAP	0.018	0.050	B	104	mg/L	1	05/02/2024 15:57	222328
Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	05/09/2024 12:00	222328
Arsenic	NELAP	0.4	1.0		11.9	µg/L	5	05/07/2024 11:52	222328
Barium	NELAP	0.7	1.0		269	µg/L	5	05/07/2024 11:52	222328
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 11:52	222328
Boron	NELAP	9.2	20.0		121	µg/L	5	05/07/2024 11:52	222328
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 11:52	222328
Chromium	NELAP	0.7	1.5		2.4	µg/L	5	05/07/2024 11:52	222328
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	05/07/2024 11:52	222328
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 11:52	222328
Lithium	*	1.4	3.0		3.0	µg/L	5	05/07/2024 11:52	222328
Molybdenum	NELAP	0.6	1.5		11.5	µg/L	5	05/07/2024 11:52	222328
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 11:52	222328
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/07/2024 11:52	222328



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q2

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

Lab ID: 24041541-029

Client Sample ID: G206D

Matrix: GROUNDWATER

Collection Date: 04/30/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/06/2024 18:25	222472



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-032
Matrix: GROUNDWATER

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

Client Sample ID: G209

Collection Date: 05/01/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.64	ft	1	05/01/2024 12:16	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		11	NTU	1	05/01/2024 12:16	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-7	mV	1	05/01/2024 12:16	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1540	µS/cm	1	05/01/2024 12:16	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		13.9	°C	1	05/01/2024 12:16	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.87	mg/L	1	05/01/2024 12:16	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.01		1	05/01/2024 12:16	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		385	mg/L	1	05/06/2024 9:55	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 9:55	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		924	mg/L	1	05/03/2024 9:31	R346753
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		233	mg/L	10	05/03/2024 1:46	R346706
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.52	mg/L	1	05/06/2024 12:20	R346823
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		59	mg/L	2	05/03/2024 1:41	R346714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		159	mg/L	1	05/03/2024 15:17	222392
Magnesium	NELAP	0.006	0.050		53.4	mg/L	1	05/03/2024 15:17	222392
Potassium	NELAP	0.040	0.100		0.651	mg/L	1	05/03/2024 15:17	222392
Sodium	NELAP	0.018	0.050		72.5	mg/L	1	05/03/2024 15:17	222392
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.5	1.0	J	0.9	µg/L	5	05/09/2024 15:35	222392
Arsenic	NELAP	0.4	1.0		1.5	µg/L	5	05/07/2024 13:56	222392
Barium	NELAP	0.7	1.0		75.0	µg/L	5	05/07/2024 13:56	222392
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 13:56	222392
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/07/2024 13:56	222392
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 13:56	222392
Chromium	NELAP	0.7	1.5		1.6	µg/L	5	05/08/2024 16:40	222392
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	05/07/2024 13:56	222392
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 13:56	222392
Lithium	*	1.4	3.0		5.0	µg/L	5	05/07/2024 13:56	222392
Molybdenum	NELAP	0.6	1.5		3.3	µg/L	5	05/07/2024 13:56	222392
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 13:56	222392
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/07/2024 13:56	222392



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-032
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G209
Collection Date: 05/01/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/06/2024 18:36	222472



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

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

Lab ID: 24041541-035

Client Sample ID: G212

Matrix: GROUNDWATER

Collection Date: 05/01/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.30	ft	1	05/01/2024 9:52	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.6	NTU	1	05/01/2024 9:52	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		133	mV	1	05/01/2024 9:52	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		681	µS/cm	1	05/01/2024 9:52	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		14.6	°C	1	05/01/2024 9:52	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.24	mg/L	1	05/01/2024 9:52	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.19		1	05/01/2024 9:52	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		246	mg/L	1	05/06/2024 10:16	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 10:16	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		470	mg/L	1	05/03/2024 9:32	R346753
SW-846 9036 (TOTAL)									
Sulfate	NELAP	12	20		58	mg/L	2	05/03/2024 2:32	R346706
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	05/06/2024 13:27	R346823
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		44	mg/L	2	05/03/2024 2:32	R346714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		59.0	mg/L	1	05/03/2024 15:19	222392
Magnesium	NELAP	0.006	0.050		28.2	mg/L	1	05/03/2024 15:19	222392
Potassium	NELAP	0.040	0.100		0.357	mg/L	1	05/03/2024 15:19	222392
Sodium	NELAP	0.018	0.050		56.5	mg/L	1	05/03/2024 15:19	222392
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.5	1.0		< 1.0	µg/L	5	05/09/2024 15:51	222392
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	05/07/2024 14:14	222392
Barium	NELAP	0.7	1.0		54.9	µg/L	5	05/07/2024 14:14	222392
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 14:14	222392
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/07/2024 14:14	222392
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 14:14	222392
Chromium	NELAP	0.7	1.5	J	1.4	µg/L	5	05/08/2024 17:41	222392
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	05/07/2024 14:14	222392
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 14:14	222392
Lithium	*	1.4	3.0	J	1.7	µg/L	5	05/07/2024 14:14	222392
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	05/07/2024 14:14	222392
Selenium	NELAP	0.6	1.0		1.0	µg/L	5	05/07/2024 14:14	222392
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/07/2024 14:14	222392



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q2

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

Lab ID: 24041541-035

Client Sample ID: G212

Matrix: GROUNDWATER

Collection Date: 05/01/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/06/2024 18:54	222472



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-036
Matrix: GROUNDWATER

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

Client Sample ID: G213

Collection Date: 05/06/2024 14:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		10.98	ft	1	05/06/2024 14:28	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		32	NTU	1	05/06/2024 14:28	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		64	mV	1	05/06/2024 14:28	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		668	µS/cm	1	05/06/2024 14:28	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.4	°C	1	05/06/2024 14:28	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.90	mg/L	1	05/06/2024 14:28	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.14		1	05/06/2024 14:28	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		234	mg/L	1	05/14/2024 13:12	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 13:12	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		390	mg/L	2.5	05/08/2024 10:12	R347018
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		74	mg/L	5	05/10/2024 0:38	R347057
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.34	mg/L	1	05/13/2024 13:43	R347147
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		55	mg/L	5	05/10/2024 0:38	R347069
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		69.5	mg/L	1	05/08/2024 14:57	222639
Magnesium	NELAP	0.006	0.050		31.6	mg/L	1	05/08/2024 14:57	222639
Potassium	NELAP	0.040	0.100		1.34	mg/L	1	05/08/2024 14:57	222639
Sodium	NELAP	0.018	0.050		36.2	mg/L	1	05/08/2024 14:57	222639
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/15/2024 0:47	222639
Arsenic	NELAP	0.4	1.0		1.3	µg/L	5	05/13/2024 9:05	222639
Barium	NELAP	0.7	1.0		57.8	µg/L	5	05/10/2024 14:17	222639
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 9:05	222639
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/13/2024 9:05	222639
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 9:05	222639
Chromium	NELAP	0.7	1.5		4.4	µg/L	5	05/13/2024 9:05	222639
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	06/07/2024 0:22	223763
Lead	NELAP	0.6	1.0		1.4	µg/L	5	05/10/2024 14:17	222639
Lithium	*	1.4	3.0		4.2	µg/L	5	05/13/2024 9:05	222639
Molybdenum	NELAP	0.8	1.5	J	1.5	µg/L	5	05/13/2024 9:05	222639
Selenium	NELAP	0.6	1.0		1.1	µg/L	5	05/13/2024 9:05	222639
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/10/2024 14:17	222639



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-036
Matrix: GROUNDWATER
Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G213
Collection Date: 05/06/2024 14:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/15/2024 15:46	222725



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-038
Matrix: GROUNDWATER

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

Client Sample ID: G215

Collection Date: 04/30/2024 13:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.89	ft	1	04/30/2024 13:19	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		10	NTU	1	04/30/2024 13:19	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-8	mV	1	04/30/2024 13:19	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1910	µS/cm	1	04/30/2024 13:19	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.1	°C	1	04/30/2024 13:19	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.69	mg/L	1	04/30/2024 13:19	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.87		1	04/30/2024 13:19	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		350	mg/L	1	05/06/2024 10:23	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 10:23	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1370	mg/L	2.5	05/03/2024 8:12	R346753
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		555	mg/L	20	05/02/2024 7:12	R346635
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	05/06/2024 13:29	R346823
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		149	mg/L	10	05/02/2024 7:07	R346639
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		181	mg/L	1	05/02/2024 15:59	222328
Magnesium	NELAP	0.006	0.050		108	mg/L	1	05/03/2024 13:20	222328
Potassium	NELAP	0.040	0.100		4.80	mg/L	1	05/02/2024 15:59	222328
Sodium	NELAP	0.018	0.050	B	95.9	mg/L	1	05/02/2024 15:59	222328
Sample result for Na exceeds 10 times the method blank contamination. Data is reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	05/09/2024 12:15	222328
Arsenic	NELAP	0.4	1.0		2.2	µg/L	5	05/07/2024 12:11	222328
Barium	NELAP	0.7	1.0		35.6	µg/L	5	05/07/2024 12:11	222328
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 12:11	222328
Boron	NELAP	9.2	20.0		886	µg/L	5	05/07/2024 12:11	222328
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/07/2024 12:11	222328
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	05/07/2024 12:11	222328
Cobalt	NELAP	0.1	1.0	J	0.6	µg/L	5	05/07/2024 12:11	222328
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 12:11	222328
Lithium	*	1.4	3.0		9.1	µg/L	5	05/07/2024 12:11	222328
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	05/07/2024 12:11	222328
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/07/2024 12:11	222328
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/07/2024 12:11	222328



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-038
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G215
Collection Date: 04/30/2024 13:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/06/2024 19:19	222481
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 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

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

Lab ID: 24041541-040

Client Sample ID: G217

Matrix: GROUNDWATER

Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.75	ft	1	05/02/2024 12:39	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.5	NTU	1	05/02/2024 12:39	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		13	mV	1	05/02/2024 12:39	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1560	µS/cm	1	05/02/2024 12:39	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.6	°C	1	05/02/2024 12:39	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.76	mg/L	1	05/02/2024 12:39	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.88		1	05/02/2024 12:39	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		288	mg/L	1	05/06/2024 14:15	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 14:15	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1160	mg/L	1	05/04/2024 7:48	R346758
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		460	mg/L	10	05/06/2024 18:51	R346843
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.41	mg/L	1	05/13/2024 14:10	R347147
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		131	mg/L	10	05/06/2024 18:51	R346846
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		211	mg/L	1	05/07/2024 18:02	222414
Magnesium	NELAP	0.006	0.050		82.2	mg/L	1	05/07/2024 18:02	222414
Potassium	NELAP	0.040	0.100		0.772	mg/L	1	05/07/2024 18:02	222414
Sodium	NELAP	0.025	0.050		81.4	mg/L	1	05/07/2024 18:02	222414
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 11:04	222414
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	05/10/2024 11:04	222414
Barium	NELAP	0.7	1.0		82.8	µg/L	5	05/09/2024 16:40	222414
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/10/2024 11:04	222414
Boron	NELAP	9.2	20.0		27.0	µg/L	5	05/10/2024 11:04	222414
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 15:46	222414
Chromium	NELAP	0.7	1.5		1.6	µg/L	5	05/10/2024 11:04	222414
Cobalt	NELAP	0.1	1.0	J	0.4	µg/L	5	05/13/2024 15:46	222414
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/09/2024 16:40	222414
Lithium	*	1.4	3.0		3.7	µg/L	5	05/10/2024 11:04	222414
Molybdenum	NELAP	0.6	1.5	J	1.0	µg/L	5	05/15/2024 4:39	222414
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 11:04	222414
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/09/2024 16:40	222414



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-040
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G217
Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/21/2024 18:58	223077



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-041
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G218
Collection Date: 05/02/2024 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		12.93	ft	1	05/02/2024 11:47	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		26	NTU	1	05/02/2024 11:47	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-21	mV	1	05/02/2024 11:47	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1520	µS/cm	1	05/02/2024 11:47	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.7	°C	1	05/02/2024 11:47	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.63	mg/L	1	05/02/2024 11:47	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.90		1	05/02/2024 11:47	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		313	mg/L	1	05/06/2024 14:25	R346841
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/06/2024 14:25	R346841
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	40	50		1100	mg/L	2.5	05/04/2024 8:15	R346758
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		423	mg/L	10	05/06/2024 18:59	R346843
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.32	mg/L	1	05/16/2024 16:57	R347401
SW-846 9251 (TOTAL)									
Chloride	NELAP	5	40		122	mg/L	10	05/06/2024 18:59	R346846
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		190	mg/L	1	05/07/2024 18:03	222414
Magnesium	NELAP	0.006	0.050		75.3	mg/L	1	05/07/2024 18:03	222414
Potassium	NELAP	0.040	0.100		0.926	mg/L	1	05/07/2024 18:03	222414
Sodium	NELAP	0.025	0.050		72.9	mg/L	1	05/07/2024 18:03	222414
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 11:10	222414
Arsenic	NELAP	0.4	1.0		1.8	µg/L	5	05/10/2024 11:10	222414
Barium	NELAP	0.7	1.0		76.2	µg/L	5	05/09/2024 16:46	222414
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/10/2024 11:10	222414
Boron	NELAP	9.2	20	J	15	µg/L	5	05/10/2024 11:10	222414
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 16:16	222414
Chromium	NELAP	0.7	1.5		3.1	µg/L	5	05/10/2024 11:10	222414
Cobalt	NELAP	0.1	1.0	J	0.6	µg/L	5	05/13/2024 16:16	222414
Lead	NELAP	0.6	1.0	J	0.7	µg/L	5	05/09/2024 16:46	222414
Lithium	*	1.4	3.0		4.8	µg/L	5	05/10/2024 11:10	222414
Molybdenum	NELAP	0.6	1.5	J	0.6	µg/L	5	05/15/2024 4:44	222414
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 11:10	222414
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/09/2024 16:46	222414



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-041
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G218
Collection Date: 05/02/2024 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/06/2024 20:02	222481
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 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-083
Matrix: LEACHATE

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: NE Riser
Collection Date: 04/29/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		1.05	ft	1	04/29/2024 13:04	R347020



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2

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

Lab ID: 24041541-085

Client Sample ID: R201

Matrix: GROUNDWATER

Collection Date: 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.59	ft	1	05/07/2024 12:43	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.8	NTU	1	05/07/2024 12:43	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-14	mV	1	05/07/2024 12:43	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		986	µS/cm	1	05/07/2024 12:43	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	05/07/2024 12:43	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.05	mg/L	1	05/07/2024 12:43	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.03		1	05/07/2024 12:43	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		355	mg/L	1	05/14/2024 11:19	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 11:19	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		668	mg/L	1	05/08/2024 11:23	R347018
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		155	mg/L	10	05/10/2024 22:37	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.36	mg/L	1	05/14/2024 14:24	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		51	mg/L	2	05/10/2024 22:32	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		107	mg/L	1	05/10/2024 17:16	222656
Magnesium	NELAP	0.006	0.050		42.8	mg/L	1	05/10/2024 17:16	222656
Potassium	NELAP	0.040	0.100		0.779	mg/L	1	05/10/2024 17:16	222656
Sodium	NELAP	0.018	0.050		97.0	mg/L	1	05/10/2024 17:16	222656
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		< 1.0	µg/L	5	05/16/2024 4:34	222656
Arsenic	NELAP	0.4	1.0		1.1	µg/L	5	05/14/2024 1:38	222656
Barium	NELAP	0.7	1.0		61.9	µg/L	5	05/14/2024 14:06	222656
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 1:38	222656
Boron	NELAP	9.2	20	J	10	µg/L	5	05/14/2024 1:38	222656
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 1:38	222656
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	05/14/2024 1:38	222656
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	05/14/2024 1:38	222656
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 1:38	222656
Lithium	*	1.4	3.0	J	3.0	µg/L	5	05/14/2024 14:06	222656
Molybdenum	NELAP	0.9	1.5		< 1.5	µg/L	5	05/14/2024 1:38	222656
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 1:38	222656
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/14/2024 1:38	222656

LCS for Sb 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 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-085
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: R201
Collection Date: 05/07/2024 12:43

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

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

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

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-097
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G200 Duplicate
Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.90	ft	1	05/07/2024 12:53	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		53	NTU	1	05/07/2024 12:53	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		6	mV	1	05/07/2024 12:53	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		850	µS/cm	1	05/07/2024 12:53	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	05/07/2024 12:53	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.13	mg/L	1	05/07/2024 12:53	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.19		1	05/07/2024 12:53	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		295	mg/L	1	05/14/2024 11:26	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 11:26	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		526	mg/L	1	05/08/2024 12:05	R347018
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		106	mg/L	5	05/11/2024 0:04	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.30	mg/L	1	05/14/2024 14:49	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		57	mg/L	5	05/11/2024 0:03	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		95.2	mg/L	1	05/10/2024 17:24	222656
Magnesium	NELAP	0.006	0.050		42.9	mg/L	1	05/10/2024 17:24	222656
Potassium	NELAP	0.040	0.100		0.995	mg/L	1	05/10/2024 17:24	222656
Sodium	NELAP	0.018	0.050		58.5	mg/L	1	05/10/2024 17:24	222656
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		< 1.0	µg/L	5	05/16/2024 4:42	222656
Arsenic	NELAP	0.4	1.0	J	0.9	µg/L	5	05/14/2024 2:56	222656
Barium	NELAP	0.7	1.0		54.0	µg/L	5	05/14/2024 14:18	222656
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 2:56	222656
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/14/2024 14:18	222656
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 2:56	222656
Chromium	NELAP	0.7	1.5		1.9	µg/L	5	05/14/2024 2:56	222656
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	05/14/2024 2:56	222656
Lead	NELAP	0.6	1.0	J	0.9	µg/L	5	05/14/2024 2:56	222656
Lithium	*	1.4	3.0		5.8	µg/L	5	05/14/2024 14:18	222656
Molybdenum	NELAP	0.9	1.5		< 1.5	µg/L	5	05/14/2024 2:56	222656
Selenium	NELAP	0.6	1.0		3.9	µg/L	5	05/14/2024 2:56	222656
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/14/2024 2:56	222656

LCS for Sb 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 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-097
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G200 Duplicate
Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/17/2024 9:52	223054



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-098
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G217 Duplicate
Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.75	ft	1	05/02/2024 12:39	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		4.5	NTU	1	05/02/2024 12:39	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		13	mV	1	05/02/2024 12:39	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1560	µS/cm	1	05/02/2024 12:39	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.6	°C	1	05/02/2024 12:39	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.76	mg/L	1	05/02/2024 12:39	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		6.88		1	05/02/2024 12:39	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		288	mg/L	1	05/14/2024 11:33	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 11:33	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1190	mg/L	1	05/04/2024 9:44	R346758
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		448	mg/L	20	05/06/2024 21:06	R346843
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.35	mg/L	1	05/14/2024 14:57	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	10	80		129	mg/L	20	05/06/2024 21:07	R346846
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		205	mg/L	1	05/07/2024 18:24	222414
Magnesium	NELAP	0.006	0.050		79.9	mg/L	1	05/07/2024 18:24	222414
Potassium	NELAP	0.040	0.100		0.816	mg/L	1	05/07/2024 18:24	222414
Sodium	NELAP	0.025	0.050		79.0	mg/L	1	05/07/2024 18:24	222414
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.8	µg/L	5	05/10/2024 13:58	222414
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	05/10/2024 13:58	222414
Barium	NELAP	0.7	1.0		78.0	µg/L	5	05/09/2024 18:43	222414
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/10/2024 13:58	222414
Boron	NELAP	9.2	20.0		22.8	µg/L	5	05/10/2024 13:58	222414
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/13/2024 17:49	222414
Chromium	NELAP	0.7	1.5		1.5	µg/L	5	05/10/2024 13:58	222414
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	05/13/2024 17:49	222414
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/09/2024 18:43	222414
Lithium	*	1.4	3.0		3.5	µg/L	5	05/10/2024 13:58	222414
Molybdenum	NELAP	0.6	1.5	J	1.0	µg/L	5	05/15/2024 6:08	222414
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/10/2024 13:58	222414
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/09/2024 18:43	222414

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-098
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: G217 Duplicate
Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/21/2024 13:21	222504



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-100
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: R201 Duplicate
Collection Date: 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.59	ft	1	05/07/2024 12:43	R347020
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.8	NTU	1	05/07/2024 12:43	R347020
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-14	mV	1	05/07/2024 12:43	R347020
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		986	µS/cm	1	05/07/2024 12:43	R347020
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	05/07/2024 12:43	R347020
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.05	mg/L	1	05/07/2024 12:43	R347020
SW-846 9040B FIELD									
pH	*	0	1.00		7.03		1	05/07/2024 12:43	R347020
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		354	mg/L	1	05/14/2024 11:40	R347249
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	05/14/2024 11:40	R347249
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		658	mg/L	1	05/08/2024 12:06	R347018
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		155	mg/L	10	05/11/2024 0:27	R347112
SW-846 9214 (TOTAL)									
Fluoride	NELAP	0.04	0.10		0.35	mg/L	1	05/14/2024 15:03	R347245
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	8		51	mg/L	2	05/11/2024 0:16	R347114
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		103	mg/L	1	05/10/2024 17:25	222656
Magnesium	NELAP	0.006	0.050		41.4	mg/L	1	05/10/2024 17:25	222656
Potassium	NELAP	0.040	0.100		0.757	mg/L	1	05/10/2024 17:25	222656
Sodium	NELAP	0.018	0.050		95.8	mg/L	1	05/10/2024 17:25	222656
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.8	1.0		< 1.0	µg/L	5	05/16/2024 4:46	222656
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	05/14/2024 3:02	222656
Barium	NELAP	0.7	1.0		59.6	µg/L	5	05/14/2024 14:24	222656
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 3:02	222656
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	05/14/2024 14:24	222656
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	05/14/2024 3:02	222656
Chromium	NELAP	0.7	1.5	J	0.7	µg/L	5	05/14/2024 3:02	222656
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	05/14/2024 3:02	222656
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 3:02	222656
Lithium	*	1.4	3.0	J	2.9	µg/L	5	05/14/2024 14:24	222656
Molybdenum	NELAP	0.9	1.5	J	0.9	µg/L	5	05/14/2024 3:02	222656
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	05/14/2024 3:02	222656
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	05/14/2024 3:02	222656

LCS for Sb 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 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041541-100
Matrix: GROUNDWATER

Work Order: 24041541
Report Date: 17-Jun-24
Client Sample ID: R201 Duplicate
Collection Date: 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	05/17/2024 10:04	223054



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

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

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

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



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q2

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

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041541-027	G200	Groundwater	6	05/07/2024 12:53
24041541-028	G206	Groundwater	6	04/30/2024 10:57
24041541-029	G206D	Groundwater	2	04/30/2024 10:28
24041541-032	G209	Groundwater	6	05/01/2024 12:16
24041541-035	G212	Groundwater	6	05/01/2024 9:52
24041541-036	G213	Groundwater	6	05/06/2024 14:28
24041541-038	G215	Groundwater	6	04/30/2024 13:19
24041541-040	G217	Groundwater	6	05/02/2024 12:39
24041541-041	G218	Groundwater	6	05/02/2024 11:47
24041541-083	NE Riser	Leachate	1	04/29/2024 13:04
24041541-085	R201	Groundwater	6	05/07/2024 12:43
24041541-095	Field Blank	Aqueous	17	05/08/2024 11:21
24041541-097	G200 Duplicate	Groundwater	6	05/07/2024 12:53
24041541-098	G217 Duplicate	Groundwater	6	05/02/2024 12:39
24041541-100	R201 Duplicate	Groundwater	6	05/07/2024 12:43
24041541-101	Equipment Blank 1	Aqueous	17	05/08/2024 11:35



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 2510 B FIELD

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

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

Batch	R347020	SampType:	LCS			Units	µS/cm					Date
SampID:		LCS-1.8										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		04/30/2024

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

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 2510 B FIELD

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

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

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

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

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 2510 B FIELD

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

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

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

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

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

SW-846 9040B FIELD

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9040B FIELD

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

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

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

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9040B FIELD

Batch R347020		SampType: LCS		Units							
SampID: LCS-4.11											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	05/03/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-4.18											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	05/03/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-5											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	05/03/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-5.12											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.00	7.000	0	100.0	98.57	101.4	05/06/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-5.19											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	05/06/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-6											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
pH		*	1.00		7.07	7.000	0	101.0	98.57	101.4	05/06/2024

Batch R347020		SampType: LCS		Units							
SampID: LCS-6.13											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	05/07/2024	

Batch R347020		SampType: LCS		Units							
SampID: LCS-6.20											
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	05/07/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9040B FIELD

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

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

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

EPA 1664A

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 1664A

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

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

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

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

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

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

EPA 600 350.1 (TOTAL)

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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EPA 600 350.1 (TOTAL)

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

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

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

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

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

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

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

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



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Client Project: COF-24Q2

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EPA 600 350.1 (TOTAL)

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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EPA 600 350.1 (TOTAL)

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

EPA 600 365.4 (TOTAL)

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

EPA 600 365.4 (TOTAL)

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

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

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R346581		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	04/30/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	04/30/2024

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

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

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

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

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

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



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STANDARD METHODS 2540 C (TOTAL) 1997, 2011

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

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

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

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

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

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

Batch	R346758	SampType:	LCS	Units mg/L							
SampID: LCS											
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	05/04/2024	
Total Dissolved Solids		20		974	1000	0	97.4	90	110	05/04/2024	



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STANDARD METHODS 2540 C (TOTAL) 1997, 2011

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

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

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

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

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

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

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



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Client Project: COF-24Q2

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STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R347190		SampType: MBLK		Units mg/L						
SampID: MBLK										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/10/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/10/2024

Batch	R347190	SampType:	LCS	Units mg/L							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids			20		946	1000	0	94.6	90	110	05/10/2024
Total Dissolved Solids			20		912	1000	0	91.2	90	110	05/10/2024

Batch R347190		SampType:	DUP		Units mg/L					RPD Limit 10		
SampID: 24041541-075ADUP												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids				20		458				458.0	0.00	05/10/2024

Batch R347190		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24050891-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		455				470.0	3.24	05/10/2024

Batch	R347304	SampType:	MBLK	Units mg/L							
SampID: MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/14/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/14/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/14/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	05/14/2024	

Batch	R347304	SampType:	LCS	Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Dissolved Solids		20		978	1000	0	97.8	90	110	05/14/2024	
Total Dissolved Solids		20		962	1000	0	96.2	90	110	05/14/2024	
Total Dissolved Solids		20		922	1000	0	92.2	90	110	05/14/2024	
Total Dissolved Solids		20		930	1000	0	93.0	90	110	05/14/2024	



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Client Project: COF-24Q2

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

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

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

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

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

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



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Batch R347107 SampType: LCS Units mg/L
SampleID: LCS

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

Batch R347107 SampType: DUP Units mg/L
SampleID: 24041541-082EDUP

RPD Limit 5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		< 6				0	0.00	05/10/2024

Batch R347107 SampType: DUP Units mg/L
SampleID: 24050602-006ADUP

RPD Limit 5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	R	16				15.00	6.45	05/10/2024

Batch R347107 SampType: DUP Units mg/L
SampleID: 24050625-002ADUP

RPD Limit 5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	J	5				0	0.00	05/10/2024

Batch R347107 SampType: DUP Units mg/L
SampleID: 24050717-002ADUP

RPD Limit 5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6	R	15				13.00	14.29	05/10/2024

Batch R347107 SampType: DUP Units mg/L
SampleID: 24050735-003ADUP

RPD Limit 5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		7				7.000	0.00	05/10/2024

Batch R347107 SampType: DUP Units mg/L
SampleID: 24050763-002ADUP

RPD Limit 5

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids		6		< 6				0	0.00	05/10/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 2540 D 1997, 2011

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

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

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

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

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

Batch R346717		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050138-003IMSD											
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	92.8	1.853	0.16	05/03/2024

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

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

Batch R346679		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24050138-004DMSD												
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	94.4	0.4430	6.34	05/02/2024	

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

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

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

Batch R346741		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050364-001FMSD											
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	87.2	0.4490	2.94	05/03/2024

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch R346899		SampType: MSD		Units mg/L			RPD Limit 10				
SampID: 24041541-089FMSD											Date 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	0.4660	3.17	05/07/2024	

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

Batch R346899		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050583-001BMSD											
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	87.8	0.4540	3.36	05/07/2024

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

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch R346545 SampType: MS Units mg/L

SampID: 24042422-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0.05500	91.6	85	115	04/30/2024

Batch R346545 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24042422-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0.05500	92.8	0.5130	1.16	04/30/2024

Batch R346614 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	05/01/2024

Batch R346614 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.5	90	110	05/01/2024

Batch R346614 SampType: MS Units mg/L

SampID: 24050025-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	0.42	0.5000	0	84.2	85	115	05/01/2024

Batch R346614 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24050025-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	0.42	0.5000	0	84.0	0.4210	0.24	05/01/2024

Batch R346679 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	05/02/2024
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	05/02/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch R346679 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	103.8	90	110	05/02/2024
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	103.8	90	110	05/02/2024

Batch R346679 SampType: MS Units mg/L

SampID: 24050118-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	0.48	0.5000	0.005000	95.8	85	115	05/02/2024

Batch R346679 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24050118-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	H	0.49	0.5000	0.005000	97.0	0.4840	1.23	05/02/2024

Batch R346679 SampType: MS Units mg/L

SampID: 24050133-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.54	0.5000	0	108.6	85	115	05/02/2024

Batch R346679 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24050133-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	106.8	0.5430	1.67	05/02/2024

Batch R346741 SampType: MBLK Units mg/L

SampID: MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	05/03/2024

Batch R346741 SampType: LCS Units mg/L

SampID: LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.31	0.3045	0	102.5	90	110	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch R346741 SampType: MS Units mg/L

SampID: 24041541-052AMS

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

Batch R346741 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24041541-052AMSD

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

Batch R346899 SampType: MBLK Units mg/L

SampID: MBLK

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

Batch R346899 SampType: LCS Units mg/L

SampID: LCS

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

Batch R346899 SampType: MS Units mg/L

SampID: 24041541-075AMS

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

Batch R346899 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24041541-075AMSD

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

Batch R346971 SampType: MBLK Units mg/L

SampID: MBLK

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

Batch R346971 SampType: LCS Units mg/L

SampID: LCS

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

Batch R346971		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050788-002BMSD											
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	96.6	0.4710	2.52	05/08/2024

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

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

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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

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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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

Batch R346549		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						04/30/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	04/30/2024	

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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

Batch R346632 SampType: MS Units mg/L

SampID: 24050045-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	SE	2.10	0.5000	1.539	112.2	90	110	05/01/2024

Batch R346632 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24050045-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	2.09	0.5000	1.539	109.8	2.100	0.57	05/01/2024

Batch R346691 SampType: MBLK Units mg/L

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050						05/02/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	05/02/2024

Batch R346691 SampType: LCS Units mg/L

SampID: ICV/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.503	0.5000	0	100.6	90	110	05/02/2024

Batch R346691 SampType: MS Units mg/L

SampID: 24050143-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		2.63	2.500	0	105.3	90	110	05/02/2024

Batch R346691 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24050143-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		2.60	2.500	0	104.0	2.633	1.22	05/02/2024

Batch R346793 SampType: MBLK Units mg/L

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050						05/03/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	05/03/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch R346793		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		0.493	0.5000	0	98.6	90	110	05/03/2024	

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

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

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

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

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

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

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch R347067 SampType: MS Units mg/L

SampID: 24050788-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.226	0.2500	0	90.4	85	115	05/09/2024

Batch R347067 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24050788-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.228	0.2500	0	91.2	0.2260	0.88	05/09/2024

Batch R347067 SampType: MS Units mg/L

SampID: 24050788-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.251	0.2500	0.01500	94.4	85	115	05/09/2024

Batch R347067 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24050788-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.254	0.2500	0.01500	95.6	0.2510	1.19	05/09/2024

Batch R347067 SampType: MS Units mg/L

SampID: 24050817-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.425	0.2500	0.1870	95.2	90	110	05/09/2024

Batch R347067 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24050817-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.429	0.2500	0.1870	96.8	0.4250	0.94	05/09/2024

Batch R347925 SampType: MBLK Units mg/L

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate (as N)		0.050		< 0.050						05/28/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	05/28/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch R347925		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		0.509	0.5000	0	101.8	90	110	05/28/2024	

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

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

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

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

STANDARD METHODS 5210 B 2001, 2011

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 5210 B 2001, 2011

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

STANDARD METHODS 5220 D (TOTAL) 1997

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

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

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

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

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

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



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

STANDARD METHODS 5220 D (TOTAL) 1997

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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7196A

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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9012A (TOTAL)

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

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

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9012A (TOTAL)

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

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

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9012A (TOTAL)

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

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

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

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

Batch 222453		SampType: MBLK		Units mg/L							Date
SampID: MBLK 240503 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	05/06/2024	

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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

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

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

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

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

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

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

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



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Client Project: COF-24Q2

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

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

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

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

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

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

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

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



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Client Project: COF-24Q2

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

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

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

SW-846 9036 (DISSOLVED)

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

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

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

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



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Client Project: COF-24Q2

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SW-846 9036 (DISSOLVED)

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

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

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

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

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

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

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

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

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



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

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

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

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (DISSOLVED)

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

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

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9036 (DISSOLVED)

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

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

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

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

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

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

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



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Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9036 (TOTAL)

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

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

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

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

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

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

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

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



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Client Project: COF-24Q2

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SW-846 9036 (TOTAL)

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

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

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

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

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

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

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

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

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

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

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



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Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9036 (TOTAL)

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

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

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

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

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

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

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

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



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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

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

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

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

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

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

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

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



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Client Project: COF-24Q2

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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



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Client Project: COF-24Q2

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Batch R347268		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	05/14/2024	

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

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

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

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

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

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

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



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Batch R347268		SampType: MS		Units mg/L						
SampID: 24050634-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20	S	56	40.00	22.50	84.7	85	115	05/15/2024

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050634-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20		58	40.00	22.50	87.9	56.37	2.26	05/15/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050646-001BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	48	20.00	30.53	88.0	90	110	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050646-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	S	48	20.00	30.53	87.8	48.13	0.06	05/14/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050795-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		161	100.0	67.26	94.0	90	110	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050795-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		161	100.0	67.26	93.6	161.2	0.27	05/14/2024

Batch R347268		SampType: MS		Units mg/L							
SampID: 24050795-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		154	100.0	62.59	91.0	90	110	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050795-007AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50	S	150	100.0	62.59	87.0	153.6	2.67	05/14/2024



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Batch R347268		SampType: MS		Units mg/L							Date
SampID: 24051090-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		145	100.0	56.17	88.6	85	115	05/14/2024	

Batch R347268		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051090-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		50		144	100.0	56.17	88.2	144.7	0.24	05/14/2024		

Batch R347372		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	05/15/2024	

Batch R347372		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		18	20.00	0	90.3	90	110	05/15/2024	

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050788-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		32	20.00	13.98	89.8	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050788-002BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		32	20.00	13.98	91.4	31.94	1.03	05/15/2024		

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050788-012BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		100		329	200.0	146.5	91.1	85	115	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050788-012BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		100		331	200.0	146.5	92.2	328.7	0.65	05/16/2024		



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Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050819-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		43	20.00	24.35	91.4	90	110	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050819-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		43	20.00	24.35	93.4	42.64	0.91	05/16/2024

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050905-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		39	20.00	19.90	95.5	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050905-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		40	20.00	19.90	99.3	39.00	1.93	05/15/2024

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		37	20.00	17.92	93.6	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		38	20.00	17.92	99.2	36.63	3.06	05/15/2024

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-011AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		73	40.00	35.53	94.1	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-011AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		20		76	40.00	35.53	100.0	73.17	3.19	05/15/2024	



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Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-018AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20		86	40.00	48.86	93.4	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050906-018AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		20		89	40.00	48.86	100.1	86.21	3.06	05/15/2024		

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-021AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	25	20.00	8.010	83.2	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050906-021AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		25	20.00	8.010	86.5	24.64	2.64	05/15/2024		

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24050906-031AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		37	20.00	18.12	93.2	85	115	05/15/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050906-031AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		37	20.00	18.12	96.6	36.77	1.78	05/15/2024		

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24051000-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		45	20.00	25.83	97.0	85	115	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051000-001BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		46	20.00	25.83	101.4	45.24	1.88	05/16/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9036 (TOTAL)

Batch R347372		SampType: MS		Units mg/L							Date
SampID: 24051000-010BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		35	20.00	17.50	89.4	85	115	05/16/2024	

Batch R347372		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051000-010BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10		36	20.00	17.50	93.0	35.39	2.01			05/16/2024

Batch R347512		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		< 10	6.140	0	0	-100	100	05/17/2024	

Batch R347512		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10		19	20.00	0	94.1	90	110	05/17/2024	

Batch R347512		SampType: MS		Units mg/L							Date
SampID: 24050907-001EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	S	30	20.00	13.17	84.2	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24050907-001EMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	S	29	20.00	13.17	81.6	30.01	1.75	05/17/2024		

Batch R347512		SampType: MS		Units mg/L							Date
SampID: 24051437-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	SE	59	20.00	45.65	68.2	85	115	05/17/2024	

Batch R347512		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24051437-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Sulfate		10	SE	59	20.00	45.65	66.0	59.28	0.71	05/17/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9060A

Batch R347237		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		< 1.0	0.4500	0	0	-100	100	05/13/2024	

Batch R347237		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		4.9	5.000	0	98.6	90	110	05/13/2024	

Batch R347237		SampType: MS		Units mg/L						
SampID: 24050001-003IMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)		1.0		8.6	5.000	3.590	99.6	85	115	05/13/2024

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050001-003IMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		8.9	5.000	3.590	106.0	8.570	3.67	05/13/2024

Batch R347237		SampType: MS		Units mg/L							
SampID: 24050001-006IMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Total Organic Carbon (TOC)		1.0		9.4	5.000	4.350	100.2	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050001-006IMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		9.2	5.000	4.350	97.2	9.360	1.62	05/13/2024

Batch R347237		SampType: MS		Units mg/L							
SampID: 24050633-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Organic Carbon (TOC)		1.0		5.3	5.000	0	105.6	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050633-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		5.3	5.000	0	106.2	5.280	0.57	05/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9060A

Batch R347237		SampType: MS		Units mg/L							Date
SampID: 24050633-006DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.0	5.000	0.9700	101.4	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050633-006DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		5.8	5.000	0.9700	96.4	6.040	4.23	05/13/2024

Batch R347237		SampType: MS		Units mg/L							Date
SampID: 24050906-001DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.4	5.000	1.510	97.6	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		6.6	5.000	1.510	102.0	6.390	3.38	05/13/2024

Batch R347237		SampType: MS		Units mg/L							Date
SampID: 24050906-005DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.2	5.000	1.380	96.8	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-005DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		6.3	5.000	1.380	98.2	6.220	1.12	05/13/2024

Batch R347237		SampType: MS		Units mg/L							Date
SampID: 24050906-020DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.2	5.000	1.410	96.6	85	115	05/13/2024	

Batch R347237		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24050906-020DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)			1.0		6.1	5.000	1.410	94.2	6.240	1.94	05/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9060A

Batch R347237		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24050655-008BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Organic Carbon (TOC)			1.0	J	0.6				0.7600	0.00	05/13/2024

SW-846 9066 (TOTAL)

Batch R346796		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/03/2024	

Batch R346796		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Phenols			0.005		0.054	0.0500	0	107.1	90	110	
											05/03/2024

Batch R346796		SampType: MS		Units mg/L							
SampID: 24050028-001GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.055	0.0500	0	109.6	90	110	05/03/2024	

Batch R346796		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050028-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.054	0.0500	0	108.5	0.05478	0.95	05/03/2024

Batch R346796		SampType: MS		Units mg/L							
SampID: 24050080-002EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.053	0.0500	0	106.9	90	110	05/03/2024	

Batch R346796		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24050080-002EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.054	0.0500	0	107.2	0.05343	0.35	05/03/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R346796		SampType: MS		Units mg/L							
SampID: 24050186-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.050	0.0500	0	99.0	90	110	05/03/2024	

Batch R346796		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050186-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.052	0.0500	0	103.6	0.04951	4.54	05/03/2024

Batch R346796		SampType: MS		Units mg/L							
SampID: 24050237-002DMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		0.071	0.0500	0.02125	99.1	90	110	05/03/2024	

Batch R346796		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050237-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.074	0.0500	0.02125	105.0	0.07081	4.05	05/03/2024

Batch R347059		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/07/2024	

Batch R347059		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		0.051	0.0500	0	102.5	90	110	05/07/2024	

Batch R347059		SampType: MS		Units mg/L							Date Analyzed
SampID: 24050334-010AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.025		0.285	0.2500	0.02831	102.6	90	110	05/07/2024	

Batch R347059		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050334-010AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.025		0.300	0.2500	0.02831	108.8	0.2848	5.31	05/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347189		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/13/2024	

Batch R347189		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.052	0.0500	0	103.3	90	110	05/13/2024	

Batch R347189		SampType: MS		Units mg/L							
SampID: 24050410-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.058	0.0500	0	115.2	90	110	05/13/2024	

Batch R347189		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050410-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005	S	0.060	0.0500	0	120.1	0.05760	4.18	05/13/2024

Batch R347189		SampType: MS		Units mg/L							
SampID: 24050523-002BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		0.056	0.0500	0.003420	104.2	90	110	05/13/2024	

Batch R347189		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050523-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.056	0.0500	0.003420	104.7	0.05552	0.47	05/13/2024

Batch R347189		SampType: MS		Units mg/L							
SampID: 24050604-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.057	0.0500	0.003680	106.4	90	110	05/13/2024	

Batch R347189		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24050604-001GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005	S	0.064	0.0500	0.003680	121.3	0.05688	12.31	05/13/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347258		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/14/2024	

Batch R347258		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.049	0.0500	0	98.7	90	110	05/14/2024	

Batch R347258		SampType: MS		Units mg/L							
SampID: 24050696-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.064	0.0500	0.01029	107.5	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050696-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.064	0.0500	0.01029	107.7	0.06402	0.19	05/14/2024

Batch R347258		SampType: MS		Units mg/L							
SampID: 24050744-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.100		1.28	1.000	0.3356	94.7	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L		RPD Limit 15					
SampID: 24050744-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.100		1.30	1.000	0.3356	96.0	1.282	1.02	05/14/2024

Batch R347258		SampType: MS		Units mg/L							
SampID: 24050937-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.025		0.310	0.2500	0.05270	102.9	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050937-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.025		0.297	0.2500	0.05270	97.7	0.3100	4.28	05/14/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347258		SampType: MS		Units mg/L							
SampID: 24050943-001HMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.010		0.155	0.1000	0.04964	105.1	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050943-001HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.010		0.155	0.1000	0.04964	105.8	0.1548	0.42	05/14/2024

Batch R347258		SampType: MS		Units mg/L							
SampID: 24051058-001GMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		0.055	0.0500	0.004460	101.3	90	110	05/14/2024	

Batch R347258		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051058-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.057	0.0500	0.004460	105.2	0.05509	3.50	05/14/2024

Batch R347452		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	05/16/2024	

Batch R347452		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	101.9	90	110	05/16/2024	

Batch R347452		SampType: MS		Units µg/L							
SampID: 24041541-042FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		48	50.00	0	96.8	85	115	05/17/2024	

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-042FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		49	50.00	0	97.9	48.42	1.09	05/17/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347452		SampType: MS		Units µg/L								Date
SampID: 24041541-049FMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phenols		5		50	50.00	0	100.7	85	115			

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-049FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	101.1	50.35	0.38	05/16/2024

Batch R347452		SampType: MS		Units µg/L								Date
SampID: 24050001-012HMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phenols		5		51	50.00	0	102.3	85	115			

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050001-012HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	102.7	51.14	0.41	05/16/2024

Batch R347452		SampType: MS		Units µg/L								Date
SampID: 24050887-008GMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phenols		5		52	50.00	0	103.5	85	115			

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050887-008GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		52	50.00	0	103.4	51.77	0.14	05/16/2024

Batch R347452		SampType: MS		Units µg/L								Date
SampID: 24050975-003FMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Phenols		5		50	50.00	0	100.2	85	115			

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050975-003FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	101.6	50.11	1.39	05/16/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9066 (TOTAL)

Batch R347452		SampType: MS		Units µg/L						
SampID: 24050976-006KMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		51	50.00	0	101.9	85	115	05/16/2024

Batch R347452		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050976-006KMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		49	50.00	0	98.4	50.94	3.48	05/16/2024

Batch R347452		SampType: MS		Units mg/L							
SampID: 24051232-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.053	0.0500	0	105.9	90	110	05/16/2024	

Batch R347452		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051232-001GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005		0.051	0.0500	0	101.1	0.05297	4.70	05/16/2024	

SW-846 9214 (DISSOLVED)

Batch R346823		SampType: MS		Units mg/L							
SampID: 24050007-008FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.41	2.000	0.2910	105.8	75	125	05/07/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050007-008FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.31	2.000	0.2910	101.0	2.408	4.07	05/07/2024

Batch R346966		SampType: MS		Units mg/L							
SampID: 24041541-015FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.60	2.000	0.4300	108.4	75	125	05/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (DISSOLVED)

Batch R346966		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-015FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.57	2.000	0.4300	107.2	2.597	0.89	05/08/2024

Batch R347102		SampType: MS		Units mg/L							
SampID: 24050364-006FMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.28	2.000	0.4910	89.3	75	125	05/10/2024	

Batch R347102		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050364-006FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.26	2.000	0.4910	88.7	2.277	0.57	05/10/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24041541-034BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.14	2.000	0.3580	89.2	75	125	05/13/2024	

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-034BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		1.86	2.000	0.3580	75.2	2.142	13.99	05/13/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-017FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.05	2.000	0.2040	92.3	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-017FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.25	2.000	0.2040	102.2	2.050	9.26	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-086BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.17	2.000	0.3040	93.1	75	125	05/14/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (DISSOLVED)

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-086BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.33	2.000	0.3040	101.2	2.166	7.25	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-097BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.09	2.000	0.2960	89.9	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24041541-097BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.19	2.000	0.2960	94.7	2.094	4.48	05/14/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24041541-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.90	2.000	0.8760	101.0	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24041541-025BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.96	2.000	0.8760	104.0	2.896	2.05	05/16/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050887-004CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.10	2.000	0.1690	96.8	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050887-004CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.18	2.000	0.1690	100.4	2.104	3.41	05/16/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (TOTAL)

Batch R346823		SampType: MBLK		Units mg/L							
SampID: MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/06/2024	

Batch R346823		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.10		0.95	1.000	0	95.0	90	110	05/06/2024	

Batch R346823		SampType: MS		Units mg/L							
SampID: 24041541-033AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.37	2.000	0.3940	98.9	75	125	05/06/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-033AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.47	2.000	0.3940	103.9	2.372	4.13	05/06/2024

Batch R346823		SampType: MS		Units mg/L							
SampID: 24041541-061AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.53	2.000	0.4850	102.2	75	125	05/06/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-061AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.62	2.000	0.4850	106.6	2.528	3.42	05/06/2024

Batch R346823		SampType: MS		Units mg/L							
SampID: 24041541-081AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.60	2.000	0.6420	98.0	75	125	05/06/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-081AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.68	2.000	0.6420	101.7	2.601	2.81	05/06/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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Batch R346823		SampType: MS		Units mg/L							Date
SampID: 24042405-009AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10	H	2.45	2.000	0.4690	99.0	75	125	05/07/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24042405-009AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.10	H	2.44	2.000	0.4690	98.4	2.449	0.45	05/07/2024

Batch R346823		SampType: MS		Units mg/L							Date
SampID: 24050131-006AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10	H	2.08	2.000	0.08400	99.7	75	125	05/07/2024	

Batch R346823		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050131-006AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10	H	2.18	2.000	0.08400	104.7	2.078	4.70	05/07/2024

Batch R346966		SampType: MBLK		Units mg/L							Date
SampID: MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/08/2024	

Batch R346966		SampType: LCS		Units mg/L							Date
SampID: LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		1.07	1.000	0	106.7	90	110	05/08/2024	

Batch R347102		SampType: MBLK		Units mg/L							Date
SampID: MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/10/2024	

Batch R347102		SampType: LCS		Units mg/L							Date
SampID: LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		0.99	1.000	0	99.3	90	110	05/10/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9214 (TOTAL)

Batch R347102		SampType: MS		Units mg/L							
SampID: 24050273-003AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		1.90	2.000	0.2030	85.0	75	125	05/10/2024	

Batch R347102		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050273-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		1.93	2.000	0.2030	86.3	1.903	1.36	05/10/2024

Batch R347102		SampType: MS		Units mg/L							
SampID: 24050273-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		1.67	2.000	0	83.5	75	125	05/10/2024	

Batch R347102		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050273-006AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		1.54	2.000	0	77.0	1.670	8.03	05/10/2024

Batch R347102		SampType: MS		Units mg/L							
SampID: 24050362-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.11	2.000	0.2380	93.5	75	125	05/10/2024	

Batch R347102		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050362-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.15	2.000	0.2380	95.5	2.108	1.88	05/10/2024

Batch R347102		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 24042193-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10	R	0.16				0	200.00	05/10/2024

Batch R347102		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 24042193-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10	J	0.06				0	0.00	05/10/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (TOTAL)

Batch R347102		SampType: DUP		Units mg/L				RPD Limit 15			
SampID: 24042194-006ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10	R	0.23				0	200.00	05/10/2024

Batch R347147		SampType: MBLK		Units mg/L							
SampID: MBLK										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		< 0.10	0.0500	0	0	-100	100	05/13/2024	

Batch R347147		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Fluoride			0.10		0.93	1.000	0	93.2	90	110	05/13/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24041541-042AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.11	2.000	0.3630	87.6	75	125	05/13/2024	

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-042AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.03	2.000	0.3630	83.6	2.114	3.86	05/13/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24041541-050AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.30	2.000	0.3070	99.6	75	125	05/13/2024	

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-050AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.04	2.000	0.3070	86.4	2.299	12.18	05/13/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24050482-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.05	2.000	0.1210	96.3	75	125	05/13/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9214 (TOTAL)

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050482-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.14	2.000	0.1210	101.1	2.046	4.63	05/13/2024

Batch R347147		SampType: MS		Units mg/L							
SampID: 24050777-002CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		2.62	2.000	0.4570	108.2	75	125	05/13/2024	

Batch R347147		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050777-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.59	2.000	0.4570	106.7	2.621	1.15	05/13/2024

Batch R347245		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.10		< 0.10	0.0500	0	0	-100	100	05/14/2024

Batch R347245		SampType: LCS		Units mg/L							
SampID: LCS										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.10		0.94	1.000	0	94.3	90	110	05/14/2024	

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-007EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.14	2.000	0.2960	92.2	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-007EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.31	2.000	0.2960	100.9	2.140	7.81	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-063AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.09	2.000	0.3540	86.9	75	125	05/14/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-063AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.08	2.000	0.3540	86.2	2.092	0.72	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-075AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.08	2.000	0.2980	89.0	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-075AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.15	2.000	0.2980	92.5	2.079	3.26	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24041541-105AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.19	2.000	0.3680	91.3	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-105AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.10	2.000	0.3680	86.6	2.194	4.38	05/14/2024

Batch R347245		SampType: MS		Units mg/L							
SampID: 24050590-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		1.00		87.0	20.00	66.59	101.9	75	125	05/14/2024	

Batch R347245		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050590-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			1.00		89.0	20.00	66.59	112.1	86.97	2.32	05/14/2024

Batch R347401		SampType: MBLK		Units mg/L							
SampID: MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.10		< 0.10	0.0500	0	0	-100	100	05/16/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9214 (TOTAL)

Batch R347401		SampType: LCS		Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride		0.10		0.96	1.000	0	96.1	90	110	05/16/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050734-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.82	2.000	0.6570	108.2	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050734-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.79	2.000	0.6570	106.6	2.821	1.10	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.29	2.000	0.1310	108.1	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.22	2.000	0.1310	104.4	2.293	3.28	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-011AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.09	2.000	0.1160	98.6	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-011AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.20	2.000	0.1160	104.0	2.087	5.09	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.18	2.000	0.1550	101.0	75	125	05/16/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-018AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.10	2.000	0.1550	97.3	2.175	3.46	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-027AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.15	2.000	0.1480	100.2	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24050906-027AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.20	2.000	0.1480	102.6	2.151	2.30	05/16/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-035AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.11	2.000	0.1490	98.0	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24050906-035AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.13	2.000	0.1490	98.8	2.108	0.85	05/16/2024	

Batch R347401		SampType: MS		Units mg/L							
SampID: 24050906-041AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.16	2.000	0.2220	96.9	75	125	05/16/2024	

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-041AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.17	2.000	0.2220	97.4	2.160	0.46	05/16/2024

Batch R347401		SampType: MS		Units mg/L							
SampID: 24051000-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		3.46	2.000	1.421	101.9	75	125	05/16/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24051000-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.10		3.63	2.000	1.421	110.4	3.459	4.80	05/16/2024

Batch R347401		SampType: MS		Units mg/L						
SampID: 24051000-017AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		2.46	2.000	0.4510	100.2	75	125	05/16/2024

Batch R347401		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051000-017AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.39	2.000	0.4510	97.2	2.456	2.56	05/16/2024

SW-846 9251 (DISSOLVED)

Batch R346639		SampType: MS		Units mg/L							
SampID: 24041541-025BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	3.840	99.9	85	115	05/02/2024	

Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-025BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		24	20.00	3.840	101.1	23.82	1.00	05/02/2024	

Batch R346639		SampType: MS		Units mg/L							
SampID: 24041541-031BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		75	40.00	35.91	97.6	85	115	05/02/2024	

Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-031BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		76	40.00	35.91	101.0	74.96	1.81	05/02/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R346639		SampType: MS		Units mg/L							Date
SampID: 24042262-003FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		78	40.00	40.01	95.0	85	115	05/01/2024	

Batch R346639		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042262-003FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8		75	40.00	40.01	88.2	78.03	3.56	05/01/2024		

Batch R346639		SampType: MS		Units mg/L							Date
SampID: 24042262-006FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		154	100.0	62.72	91.6	85	115	05/01/2024	

Batch R346639		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042262-006FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		150	100.0	62.72	87.4	154.3	2.80	05/01/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24041541-010FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8	S	70	40.00	36.49	83.8	85	115	05/02/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-010FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8		71	40.00	36.49	87.2	70.01	1.90	05/02/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24041541-090FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		69	40.00	33.46	88.6	85	115	05/03/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-090FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8		70	40.00	33.46	90.4	68.91	1.03	05/03/2024		



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9251 (DISSOLVED)

Batch R346846		SampType: MS		Units mg/L							Date
SampID: 24041541-007FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	E	59	20.00	37.73	106.1	85	115	05/06/2024	

Batch R346846		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-007FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	59	20.00	37.73	107.9	58.95	0.61	05/06/2024

Batch R346935		SampType: MS		Units mg/L							Date
SampID: 24050138-002DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		24	20.00	3.690	99.2	85	115	05/08/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050138-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	3.690	100.2	23.54	0.76	05/08/2024

Batch R346935		SampType: MS		Units mg/L							Date
SampID: 24050364-004FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		39	20.00	21.34	90.0	85	115	05/07/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050364-004FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		41	20.00	21.34	96.6	39.35	3.30	05/07/2024

Batch R346935		SampType: MS		Units mg/L							Date
SampID: 24050364-010FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		30	20.00	11.89	92.0	85	115	05/07/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050364-010FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		30	20.00	11.89	92.2	30.30	0.10	05/07/2024



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Client Project: COF-24Q2

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SW-846 9251 (DISSOLVED)

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24041541-027BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		156	100.0	58.49	97.5	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-027BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		157	100.0	58.49	98.4	156.0	0.56	05/09/2024		

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24041541-042BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		31	20.00	12.60	93.7	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-042BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		31	20.00	12.60	93.0	31.33	0.42	05/09/2024		

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24050451-006BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		30	20.00	11.11	93.0	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050451-006BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		30	20.00	11.11	92.6	29.70	0.24	05/09/2024		

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24050464-001FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		35	20.00	17.39	89.8	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050464-001FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		35	20.00	17.39	89.5	35.36	0.20	05/09/2024		



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

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SW-846 9251 (DISSOLVED)

Batch R347114		SampType: MS		Units mg/L							Date
SampID: 24050493-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		25	20.00	4.770	100.7	85	115	05/10/2024	

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050493-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		25	20.00	4.770	101.0	24.90	0.24	05/10/2024

Batch R347114		SampType: MS		Units mg/L							Date
SampID: 24050583-004BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		150	100.0	58.62	91.0	85	115	05/10/2024	

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050583-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		154	100.0	58.62	95.6	149.6	3.02	05/10/2024

Batch R347274		SampType: MS		Units mg/L							Date
SampID: 24050001-010CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		131	100.0	33.49	97.5	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050001-010CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		130	100.0	33.49	97.0	131.0	0.35	05/14/2024

Batch R347274		SampType: MS		Units mg/L							Date
SampID: 24050646-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		23	20.00	3.980	97.1	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050646-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		23	20.00	3.980	96.2	23.40	0.82	05/14/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R347380		SampType: MS		Units mg/L							Date
SampID: 24050819-001CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		26	20.00	7.850	92.2	85	115	05/16/2024	

Batch R347380		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050819-001CMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		27	20.00	7.850	93.6	26.29	1.02	05/16/2024		

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050887-005CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		117	100.0	22.03	94.9	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050887-005CMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		124	100.0	22.03	102.3	117.0	6.09	05/17/2024		

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050907-001FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		27	20.00	8.530	92.4	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050907-001FMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		27	20.00	8.530	91.6	27.00	0.56	05/17/2024		

Batch R347548		SampType: MS		Units mg/L							Date
SampID: 24050975-004BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		172	100.0	82.01	89.7	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050975-004BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		171	100.0	82.01	89.2	171.7	0.29	05/17/2024		



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (DISSOLVED)

Batch R347548		SampType: MS		Units mg/L							
SampID: 24050976-003FMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		207	100.0	114.3	92.5	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050976-003FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		205	100.0	114.3	90.9	206.8	0.78	05/17/2024

Batch R347548		SampType: MS		Units mg/L							
SampID: 24050976-007FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		161	100.0	68.04	92.6	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050976-007FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		162	100.0	68.04	94.3	160.6	1.07	05/17/2024

Batch R347548		SampType: MS		Units mg/L							
SampID: 24050979-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.050	95.8	85	115	05/17/2024	

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050979-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.050	96.4	20.22	0.49	05/17/2024

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Batch R346639		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride			4		< 4	0.5000	0	0	-100	100	05/01/2024



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SW-846 9251 (TOTAL)

Batch R346639		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		18	20.00	0	91.0	90	110	05/01/2024	

Batch R346639		SampType: MS		Units mg/L							
SampID: 24041541-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.470	99.8	85	115	05/02/2024	

Batch R346639		SampType: MSD		Units mg/L					RPD Limit 15			
SampID: 24041541-025AMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		24	20.00	4.470	99.9	24.42	0.12	05/02/2024	

Batch R346639		SampType: MS		Units mg/L							
SampID: 24041541-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		75	40.00	37.23	95.6	85	115	05/02/2024	

Batch R346639		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24041541-031AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		75	40.00	37.23	95.5	75.47	0.04	05/02/2024

Batch R346639		SampType: MS		Units mg/L							
SampID: 24042193-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.460	95.4	85	115	05/01/2024	

Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15				
SampID: 24042193-004AMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		24	20.00	4.460	96.8	23.54	1.22	05/01/2024	

Batch R346639		SampType: MS		Units mg/L							
SampID: 24042357-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	SE	90	20.00	43.14	232.6	85	115	05/02/2024	



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Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24042357-001AMSD											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4	SE	90	20.00	43.14	234.6	89.65	0.46	05/02/2024	

Batch R346639		SampType: MS		Units mg/L							
SampID: 24042384-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	4.650	96.7	85	115	05/01/2024	

Batch R346639		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24042384-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	4.650	98.9	23.98	1.86	05/01/2024

Batch R346714		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/02/2024	

Batch R346714		SampType: MBLK		Units mg/Kg							
SampID: MBLK-240501											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride	*	40		< 40	0.5000	0	0	-100	100	05/02/2024	

Batch R346714		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	103.0	90	110	05/02/2024	

Batch R346714		SampType: MS		Units mg/L							
SampID: 24041541-033AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		40		258	200.0	76.14	91.1	85	115	05/03/2024	

Batch R346714		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-033AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			40		260	200.0	76.14	91.7	258.3	0.48	05/03/2024



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Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24041541-045AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		254	200.0	65.43	94.4	85	115	05/03/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24041541-045AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		40		248	200.0	65.43	91.2	254.2	2.50	05/03/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24042406-003AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		29	20.00	9.490	96.8	85	115	05/02/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042406-003AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		29	20.00	9.490	95.9	28.85	0.63	05/02/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24042406-006AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		403	200.0	229.3	86.7	85	115	05/02/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042406-006AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		40		410	200.0	229.3	90.2	402.6	1.75	05/02/2024		

Batch R346714		SampType: MS		Units mg/L							Date
SampID: 24042406-011AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		35	20.00	17.65	89.0	85	115	05/02/2024	

Batch R346714		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24042406-011AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		35	20.00	17.65	88.9	35.46	0.08	05/02/2024		



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Client Project: COF-24Q2

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SW-846 9251 (TOTAL)

Batch R346846		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/06/2024	

Batch R346846		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	98.8	90	110	05/06/2024	

Batch R346846		SampType: MS		Units mg/L							
SampID: 24041541-007EMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4	E	56	20.00	37.01	97.0	85	115	05/06/2024	

Batch R346846		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-007EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	59	20.00	37.01	109.3	56.40	4.29	05/06/2024

Batch R346935		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/07/2024	

Batch R346935		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	0	104.1	90	110	05/07/2024	

Batch R346935		SampType: MS		Units mg/L							
SampID: 24050139-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	3.780	100.0	85	115	05/07/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050139-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	3.780	100.8	23.77	0.71	05/07/2024



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Client Project: COF-24Q2

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SW-846 9251 (TOTAL)

Batch R346935		SampType: MS		Units mg/L							Date
SampID: 24050140-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		41	20.00	22.46	91.8	85	115	05/08/2024	

Batch R346935		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050140-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		41	20.00	22.46	91.8	40.83	0.00	05/08/2024

Batch R347069		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	05/09/2024	

Batch R347069		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		21	20.00	0	103.8	90	110	05/09/2024	

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24041541-027AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		147	100.0	60.91	86.1	85	115	05/10/2024	

Batch R347069		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-027AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		154	100.0	60.91	93.2	147.0	4.68	05/10/2024

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24041541-042AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		31	20.00	12.36	92.2	85	115	05/10/2024	

Batch R347069		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-042AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		31	20.00	12.36	93.2	30.80	0.65	05/10/2024



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Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24050273-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		21	20.00	1.870	97.8	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050273-004AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		21	20.00	1.870	97.8	21.44	0.09	05/09/2024		

Batch R347069		SampType: MS		Units mg/L							Date
SampID: 24050352-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		24	20.00	3.790	98.6	85	115	05/09/2024	

Batch R347069		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24050352-001BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		24	20.00	3.790	101.4	23.50	2.35	05/09/2024		

Batch R347114		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	05/10/2024	

Batch R347114		SampType: MBLK		Units mg/L							Date
SampID: MBLK-181812											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride	*	4		< 4	0.5000	0	0	-100	100	05/10/2024	

Batch R347114		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	98.3	90	110	05/10/2024	

Batch R347114		SampType: MS		Units mg/L							Date
SampID: 24041541-092AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		26	20.00	7.070	96.6	85	115	05/10/2024	



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Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24041541-092AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4		26	20.00	7.070	96.0	26.38	0.46	05/10/2024	

Batch R347114		SampType: MS		Units mg/L							
SampID: 24041541-100AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		88	40.00	51.39	91.6	85	115	05/11/2024	

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24041541-100AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		89	40.00	51.39	93.2	88.02	0.72	05/11/2024

Batch R347114		SampType: MS		Units mg/L							
SampID: 24050482-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		26	20.00	6.630	97.0	85	115	05/10/2024	

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050482-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		26	20.00	6.630	97.4	26.03	0.31	05/10/2024

Batch R347114		SampType: MS		Units mg/L							
SampID: 24050590-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		2000		21100	10000	11820	92.4	85	115	05/10/2024	

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050590-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			2000		21300	10000	11820	94.3	21070	0.87	05/10/2024

Batch R347114		SampType: MS		Units mg/L							
SampID: 24050891-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	51	20.00	32.45	92.4	85	115	05/10/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347114		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050891-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	51	20.00	32.45	93.8	50.92	0.55	05/10/2024

Batch R347274		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/14/2024	

Batch R347274		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	98.8	90	110	05/14/2024	

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050001-011BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		47	20.00	28.26	92.6	85	115	05/15/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050001-011BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		47	20.00	28.26	94.5	46.77	0.81	05/15/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050002-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	62	20.00	43.04	97.0	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050002-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	62	20.00	43.04	96.4	62.45	0.21	05/14/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050634-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		82	40.00	45.78	89.7	85	115	05/15/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050634-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		83	40.00	45.78	92.6	81.67	1.40	05/15/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050646-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		23	20.00	3.840	98.1	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050646-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		23	20.00	3.840	97.6	23.46	0.38	05/14/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050795-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		214	100.0	120.9	93.2	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050795-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		210	100.0	120.9	89.3	214.2	1.86	05/14/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24050795-007AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		224	100.0	131.2	92.5	85	115	05/14/2024	

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050795-007AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		221	100.0	131.2	89.9	223.7	1.18	05/14/2024

Batch R347274		SampType: MS		Units mg/L							
SampID: 24051090-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	52	20.00	33.73	93.0	85	115	05/14/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347274		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24051090-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride		4	E	52	20.00	33.73	91.6	52.32	0.52	05/14/2024	

Batch R347380		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/15/2024	

Batch R347380		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		19	20.00	0	96.2	90	110	05/15/2024	

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050633-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		32	20.00	14.47	86.6	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050633-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		32	20.00	14.47	89.4	31.79	1.78	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050819-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		27	20.00	7.960	93.0	85	115	05/16/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050819-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		27	20.00	7.960	93.3	26.55	0.26	05/16/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050905-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		24	20.00	5.840	92.5	85	115	05/15/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050905-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		24	20.00	5.840	93.3	24.33	0.70	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.320	95.0	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.320	95.0	20.32	0.05	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-011AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		19	20.00	0.9100	92.6	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-011AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	0.9100	94.8	19.43	2.19	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-018AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.040	93.8	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-018AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.040	94.6	19.79	0.86	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-021AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	2.110	95.8	85	115	05/15/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-021AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		21	20.00	2.110	96.0	21.27	0.19	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24050906-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.100	94.4	85	115	05/15/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050906-031AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.100	96.0	19.97	1.64	05/15/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24051000-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.220	95.3	85	115	05/16/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051000-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.220	96.2	20.28	0.93	05/16/2024

Batch R347380		SampType: MS		Units mg/L							
SampID: 24051000-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	1.520	93.6	85	115	05/16/2024	

Batch R347380		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051000-010BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		20	20.00	1.520	93.3	20.24	0.30	05/16/2024

Batch R347548		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	05/17/2024	



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 9251 (TOTAL)

Batch R347548		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	99.0	90	110	05/17/2024	

Batch R347548		SampType: MS		Units mg/L						
SampID: 24050907-001EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		27	20.00	8.360	92.1	85	115	05/17/2024

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24050907-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		27	20.00	8.360	92.4	26.78	0.19	05/17/2024

Batch R347548		SampType: MS		Units mg/L						
SampID: 24051437-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	51	20.00	31.81	93.8	85	115	05/17/2024

Batch R347548		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24051437-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		50	20.00	31.81	90.8	50.56	1.17	05/17/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222322 SampType: MBLK Units mg/L

SampleID: MBLK-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/01/2024
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/01/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/01/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/01/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/01/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/01/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/01/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/01/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/01/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/01/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/01/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/01/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/01/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/01/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/01/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/01/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/01/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/01/2024



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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222322 SampType: MBLK Units mg/L

SampleID: MBLK-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/01/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	05/01/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/01/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/03/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	05/03/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	05/01/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	05/01/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	05/01/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	05/03/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222322 SampType: LCS Units mg/L
SampleID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.92	2.000	0	96.2	85	115	05/01/2024
Aluminum		0.0250		1.77	2.000	0	88.6	85	115	05/03/2024
Antimony		0.0500		0.492	0.5000	0	98.4	85	115	05/01/2024
Antimony		0.0500		0.453	0.5000	0	90.6	85	115	05/03/2024
Arsenic		0.0250		0.487	0.5000	0	97.4	85	115	05/01/2024
Arsenic		0.0250		0.472	0.5000	0	94.5	85	115	05/03/2024
Barium		0.0025		1.92	2.000	0	95.8	85	115	05/01/2024
Barium		0.0025		1.79	2.000	0	89.5	85	115	05/03/2024
Beryllium		0.0005		0.0485	0.0500	0	97.0	85	115	05/01/2024
Beryllium		0.0005		0.0448	0.0500	0	89.6	85	115	05/03/2024
Boron		0.0200		0.439	0.5000	0	87.9	85	115	05/03/2024
Boron		0.0200		0.471	0.5000	0	94.2	85	115	05/01/2024
Cadmium		0.0020		0.0498	0.0500	0	99.6	85	115	05/01/2024
Cadmium		0.0020		0.0462	0.0500	0	92.4	85	115	05/03/2024
Calcium		0.100		2.27	2.500	0	90.9	85	115	05/01/2024
Calcium		0.100		2.24	2.500	0	89.8	85	115	05/03/2024
Chromium		0.0050		0.182	0.2000	0	90.9	85	115	05/03/2024
Chromium		0.0050		0.191	0.2000	0	95.6	85	115	05/01/2024
Cobalt		0.0050		0.449	0.5000	0	89.8	85	115	05/03/2024
Cobalt		0.0050		0.477	0.5000	0	95.5	85	115	05/01/2024
Copper		0.0050		0.225	0.2500	0	90.2	85	115	05/03/2024
Copper		0.0050		0.243	0.2500	0	97.2	85	115	05/01/2024
Iron		0.0400		1.82	2.000	0	90.9	85	115	05/03/2024
Iron		0.0400		1.96	2.000	0	98.0	85	115	05/01/2024
Lead		0.0150		0.453	0.5000	0	90.6	85	115	05/03/2024
Lead		0.0150		0.476	0.5000	0	95.1	85	115	05/01/2024
Magnesium		0.0500		2.20	2.500	0	88.0	85	115	05/03/2024
Magnesium		0.0500		2.34	2.500	0	93.7	85	115	05/01/2024
Manganese		0.0070		0.488	0.5000	0	97.6	85	115	05/01/2024
Manganese		0.0070		0.455	0.5000	0	91.1	85	115	05/03/2024
Molybdenum		0.0100		0.443	0.5000	0	88.6	85	115	05/03/2024
Molybdenum		0.0100		0.463	0.5000	0	92.6	85	115	05/01/2024
Nickel		0.0050		0.456	0.5000	0	91.2	85	115	05/03/2024
Nickel		0.0050		0.477	0.5000	0	95.4	85	115	05/01/2024
Potassium		0.100		2.35	2.500	0	93.8	85	115	05/03/2024
Potassium		0.100		2.68	2.500	0	107.1	85	115	05/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222322 SampType: LCS Units mg/L

SampID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Selenium		0.0400		0.459	0.5000	0	91.8	85	115	05/03/2024
Selenium		0.0400		0.475	0.5000	0	94.9	85	115	05/01/2024
Silver		0.0070		0.0433	0.0500	0	86.6	85	115	05/03/2024
Silver		0.0070		0.0499	0.0500	0	99.8	85	115	05/01/2024
Sodium		0.0500		2.42	2.500	0	96.7	85	115	05/01/2024
Sodium		0.0500		2.32	2.500	0	92.7	85	115	05/03/2024
Thallium		0.0500		0.219	0.2500	0	87.4	85	115	05/03/2024
Thallium		0.0500		0.222	0.2500	0	88.7	85	115	05/01/2024
Vanadium		0.0100		0.480	0.5000	0	96.0	85	115	05/01/2024
Vanadium		0.0100		0.446	0.5000	0	89.3	85	115	05/03/2024
Zinc		0.0100		0.451	0.5000	0	90.1	85	115	05/03/2024
Zinc		0.0100		0.480	0.5000	0	96.0	85	115	05/01/2024

Batch 222322 SampType: MS Units mg/L

SampID: 24042058-006GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	101	2.500	99.94	43.2	75	125	05/02/2024
Magnesium		0.050		37.5	2.500	35.31	85.8	75	125	05/03/2024
Potassium		0.100		3.16	2.500	0.6153	101.9	75	125	05/02/2024
Sodium		0.050		45.0	2.500	43.11	77.6	75	125	05/02/2024

Batch 222322 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24042058-006GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	100	2.500	99.94	6.4	101.0	0.91	05/02/2024
Magnesium		0.050		37.7	2.500	35.31	96.6	37.46	0.71	05/03/2024
Potassium		0.100		3.11	2.500	0.6153	99.8	3.164	1.69	05/02/2024
Sodium		0.050	S	44.8	2.500	43.11	65.6	45.05	0.67	05/02/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222415 SampType: MBLK Units mg/L

SampleID: MBLK-222415

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/06/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/03/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	05/06/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222415		SampType: MBLK		Units mg/L							Date Analyzed	
SampID: MBLK-222415												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Potassium		0.100		< 0.100	0.0400	0	0	-100	100			
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100			
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100			
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100			
Sodium		0.0500	S	0.0654	0.0180	0	363.3	-100	100			
Sodium		0.050	S	0.063	0.0180	0	348.9	-100	100			
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100			
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100			
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100			
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100			
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100			
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100			



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222415	SampType:	LCS	Units		mg/L						
SampID:		LCS-222415										Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum			0.0250		1.95	2.000	0	97.3	85	115	05/03/2024	
Aluminum			0.0250		1.92	2.000	0	95.8	85	115	05/03/2024	
Antimony			0.0500		0.475	0.5000	0	95.0	85	115	05/03/2024	
Antimony			0.0500		0.480	0.5000	0	96.0	85	115	05/03/2024	
Arsenic			0.0250		0.502	0.5000	0	100.3	85	115	05/03/2024	
Arsenic			0.0250		0.496	0.5000	0	99.2	85	115	05/03/2024	
Barium			0.0025		1.91	2.000	0	95.7	85	115	05/03/2024	
Barium			0.0025		1.93	2.000	0	96.7	85	115	05/03/2024	
Beryllium			0.0005		0.0486	0.0500	0	97.2	85	115	05/03/2024	
Beryllium			0.0005		0.0485	0.0500	0	97.0	85	115	05/03/2024	
Boron			0.0200		0.479	0.5000	0	95.8	85	115	05/03/2024	
Boron			0.0200		0.477	0.5000	0	95.4	85	115	05/03/2024	
Cadmium			0.0020		0.0503	0.0500	0	100.6	85	115	05/03/2024	
Cadmium			0.0020		0.0503	0.0500	0	100.6	85	115	05/03/2024	
Calcium			0.100		2.45	2.500	0	97.8	85	115	05/06/2024	
Calcium			0.100		2.32	2.500	0	92.9	85	115	05/03/2024	
Calcium			0.100		2.30	2.500	0	92.1	85	115	05/03/2024	
Chromium			0.0050		0.190	0.2000	0	95.1	85	115	05/03/2024	
Chromium			0.0050		0.189	0.2000	0	94.6	85	115	05/03/2024	
Cobalt			0.0050		0.479	0.5000	0	95.8	85	115	05/03/2024	
Cobalt			0.0050		0.478	0.5000	0	95.6	85	115	05/03/2024	
Copper			0.0050		0.240	0.2500	0	96.0	85	115	05/03/2024	
Copper			0.0050		0.238	0.2500	0	95.3	85	115	05/03/2024	
Iron			0.0400		1.91	2.000	0	95.5	85	115	05/03/2024	
Iron			0.0400		1.92	2.000	0	95.9	85	115	05/03/2024	
Lead			0.0150		0.479	0.5000	0	95.8	85	115	05/03/2024	
Lead			0.0150		0.478	0.5000	0	95.6	85	115	05/03/2024	
Magnesium			0.050		2.28	2.500	0	91.1	85	115	05/06/2024	
Manganese			0.0070		0.480	0.5000	0	96.0	85	115	05/03/2024	
Manganese			0.0070		0.479	0.5000	0	95.8	85	115	05/03/2024	
Molybdenum			0.0100		0.450	0.5000	0	90.0	85	115	05/03/2024	
Molybdenum			0.0100		0.450	0.5000	0	90.0	85	115	05/03/2024	
Nickel			0.0050		0.483	0.5000	0	96.5	85	115	05/03/2024	
Nickel			0.0050		0.482	0.5000	0	96.5	85	115	05/03/2024	
Potassium			0.100		2.70	2.500	0	108.1	85	115	05/06/2024	
Potassium			0.100		2.59	2.500	0	103.5	85	115	05/03/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222415		SampType: LCS		Units mg/L							
SampID: LCS-222415											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Potassium		0.100		2.61	2.500	0	104.6	85	115	05/03/2024	
Selenium		0.0400		0.499	0.5000	0	99.9	85	115	05/03/2024	
Selenium		0.0400		0.498	0.5000	0	99.6	85	115	05/03/2024	
Silver		0.0070	S	0.0412	0.0500	0	82.4	85	115	05/03/2024	
Sodium		0.050	B	2.51	2.500	0	100.6	85	115	05/06/2024	
Sodium		0.0500	B	2.46	2.500	0	98.6	85	115	05/03/2024	
Thallium		0.0500		0.234	0.2500	0	93.6	85	115	05/03/2024	
Thallium		0.0500		0.239	0.2500	0	95.6	85	115	05/03/2024	
Vanadium		0.0100		0.476	0.5000	0	95.3	85	115	05/03/2024	
Vanadium		0.0100		0.480	0.5000	0	95.9	85	115	05/03/2024	
Zinc		0.0100		0.490	0.5000	0	97.9	85	115	05/03/2024	
Zinc		0.0100		0.491	0.5000	0	98.2	85	115	05/03/2024	

Batch 222415		SampType: MS		Units mg/L						
SampID: 24041541-010GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	79.7	2.500	78.60	42.8	75	125	05/03/2024
Magnesium		0.050	S	37.0	2.500	35.54	57.8	75	125	05/06/2024
Potassium		0.100		2.98	2.500	0.3980	103.2	75	125	05/03/2024
Sodium		0.050	B	35.8	2.500	33.71	82.0	75	125	05/03/2024

Batch	222415	SampType:	MSD	Units mg/L				RPD Limit 20		
SampID: 24041541-010GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	79.8	2.500	78.60	47.2	79.67	0.14	05/03/2024
Magnesium		0.050	S	37.1	2.500	35.54	62.5	36.99	0.32	05/06/2024
Potassium		0.100		3.00	2.500	0.3980	104.0	2.978	0.65	05/03/2024
Sodium		0.050	B	35.9	2.500	33.71	87.2	35.76	0.36	05/03/2024

Batch 222415		SampType: MS		Units mg/L						
SampID: 24042405-002CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		1.89	2.000	0	94.5	75	125	05/03/2024
Manganese		0.0070	S	17.6	0.5000	17.34	57.4	75	125	05/03/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222415		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24042405-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			0.0400		1.92	2.000	0	95.9	1.890	1.47	05/03/2024
Manganese			0.0070	S	17.5	0.5000	17.34	26.2	17.63	0.89	05/03/2024

Batch 222458		SampType: MS		Units mg/L						
SampID: 24041541-018GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	80.9	5.000	80.99	-1.2	75	125	05/14/2024
Magnesium		0.050	S	39.9	5.000	37.55	46.4	75	125	05/14/2024
Potassium		0.100		5.37	5.000	0.4665	98.2	75	125	05/14/2024
Sodium		0.050	S	65.9	5.000	63.97	39.0	75	125	05/14/2024

Batch	222458	SampType:	MSD	Units mg/L				RPD Limit 20		
SampID: 24041541-018GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	80.4	5.000	80.99	-12.6	80.93	0.71	05/14/2024
Magnesium		0.050	S	39.3	5.000	37.55	35.7	39.87	1.34	05/14/2024
Potassium		0.100		5.12	5.000	0.4665	93.0	5.374	4.86	05/14/2024
Sodium		0.050	S	64.3	5.000	63.97	5.8	65.92	2.55	05/14/2024

Batch 222458		SampType: MS		Units mg/L							
SampID: 24050001-008EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Magnesium		0.050	S	90.0	2.500	88.46	63.3	75	125	05/14/2024	

Batch 222458		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24050001-008EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium			0.050	S	89.7	2.500	88.46	48.9	90.04	0.40	05/14/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222460 SampType: MBLK Units mg/L

SampleID: MBLK-222460

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	05/03/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/03/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/03/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	05/03/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222460		SampType: LCS		Units mg/L						
SampID: LCS-222460										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.83	2.000	0	91.5	85	115	05/03/2024
Antimony		0.0500		0.461	0.5000	0	92.2	85	115	05/03/2024
Arsenic		0.0250		0.481	0.5000	0	96.2	85	115	05/03/2024
Barium		0.0025		1.84	2.000	0	92.1	85	115	05/03/2024
Beryllium		0.0005		0.0463	0.0500	0	92.6	85	115	05/03/2024
Boron		0.0200		0.449	0.5000	0	89.8	85	115	05/03/2024
Cadmium		0.0020		0.0471	0.0500	0	94.2	85	115	05/03/2024
Calcium		0.100		2.33	2.500	0	93.0	85	115	05/03/2024
Chromium		0.0050		0.187	0.2000	0	93.6	85	115	05/03/2024
Cobalt		0.0050		0.466	0.5000	0	93.1	85	115	05/03/2024
Copper		0.0050		0.234	0.2500	0	93.5	85	115	05/03/2024
Iron		0.0400		1.87	2.000	0	93.6	85	115	05/03/2024
Lead		0.0150		0.470	0.5000	0	94.1	85	115	05/03/2024
Magnesium		0.0500		2.27	2.500	0	90.7	85	115	05/03/2024
Manganese		0.0070		0.471	0.5000	0	94.2	85	115	05/03/2024
Molybdenum		0.0100		0.457	0.5000	0	91.3	85	115	05/03/2024
Nickel		0.0050		0.472	0.5000	0	94.3	85	115	05/03/2024
Potassium		0.100		2.39	2.500	0	95.7	85	115	05/03/2024
Selenium		0.0400		0.463	0.5000	0	92.7	85	115	05/03/2024
Silver		0.0070		0.0444	0.0500	0	88.8	85	115	05/03/2024
Sodium		0.0500		2.36	2.500	0	94.3	85	115	05/03/2024
Thallium		0.0500		0.235	0.2500	0	93.8	85	115	05/03/2024
Vanadium		0.0100		0.461	0.5000	0	92.2	85	115	05/03/2024
Zinc		0.0100		0.463	0.5000	0	92.7	85	115	05/03/2024

Batch 222460		SampType: MS		Units mg/L						
SampID: 24041541-004GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		80.1	2.500	78.05	80.4	75	125	05/03/2024
Magnesium		0.050		38.3	2.500	36.14	87.4	75	125	05/03/2024
Potassium		0.100		2.88	2.500	0.4658	96.7	75	125	05/03/2024
Sodium		0.050	S	37.1	2.500	35.48	66.0	75	125	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222460		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24041541-004GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	78.6	2.500	78.05	22.8	80.06	1.81	05/03/2024
Magnesium		0.050	S	37.5	2.500	36.14	55.0	38.32	2.14	05/03/2024
Potassium		0.100		2.84	2.500	0.4658	95.1	2.884	1.43	05/03/2024
Sodium		0.050	S	36.4	2.500	35.48	35.6	37.13	2.07	05/03/2024

Batch 222460		SampType: MS		Units mg/L						
SampID: 24042405-005CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		1.84	2.000	0	92.0	75	125	05/03/2024
Manganese		0.0070		4.73	0.5000	4.300	85.7	75	125	05/03/2024

Batch 222460		SampType: MSD		Units mg/L				RPD Limit 20			
SampleID: 24042405-005CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			0.0400		1.85	2.000	0	92.4	1.841	0.40	05/03/2024
Manganese			0.0070		4.78	0.5000	4.300	96.6	4.729	1.15	05/03/2024

Batch 222799		SampType: MBLK		Units mg/L						
SampID: MBLK-222799										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/13/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/13/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/13/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/13/2024

Batch 222799		SampType: LCS		Units mg/L						
SampID: LCS-222799										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.39	2.500	0	95.6	85	115	05/13/2024
Magnesium		0.0500		2.20	2.500	0	88.1	85	115	05/13/2024
Potassium		0.100		2.62	2.500	0	104.9	85	115	05/13/2024
Sodium		0.0500		2.45	2.500	0	98.1	85	115	05/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222799		SampType: MS		Units mg/L						
SampID: 24050464-001GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	61.5	2.500	60.91	22.0	75	125	05/13/2024
Magnesium		0.050	S	25.8	2.500	24.20	62.5	75	125	05/13/2024
Potassium		0.100		3.20	2.500	0.4808	109.0	75	125	05/13/2024
Sodium		0.050	S	52.7	2.500	51.33	53.6	75	125	05/13/2024

Batch 222799		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 24050464-001GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	61.6	2.500	60.91	29.2	61.46	0.29	05/13/2024	
Magnesium		0.050	S	25.8	2.500	24.20	62.4	25.77	0.01	05/13/2024	
Potassium		0.100		3.17	2.500	0.4808	107.7	3.205	0.99	05/13/2024	
Sodium		0.050	S	52.4	2.500	51.33	42.8	52.67	0.51	05/13/2024	

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

Batch 222328		SampType: MBLK		Units mg/L							
SampID: MBLK-222328											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/02/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/03/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/02/2024	
Sodium		0.0500	S	0.0658	0.0180	0	365.6	-100	100	05/02/2024	

Batch	222328	SampType:	LCS	Units mg/L						
SampID:		LCS-222328							Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Cadmium		0.0020		0.0502	0.0500	0	100.4	85	115	05/03/2024
Calcium		0.100		2.52	2.500	0	100.7	85	115	05/02/2024
Magnesium		0.0500		2.49	2.500	0	99.8	85	115	05/03/2024
Potassium		0.100		2.63	2.500	0	105.2	85	115	05/02/2024
Sodium		0.0500	B	2.57	2.500	0	102.6	85	115	05/02/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222328		SampType: MS		Units mg/L						
SampID: 24041541-069BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	590	2.500	572.0	735.2	75	125	05/02/2024
Magnesium		0.050	S	313	2.500	300.9	490.6	75	125	05/03/2024
Potassium		0.100		6.50	2.500	3.700	111.9	75	125	05/02/2024
Sodium		0.050	BS	135	2.500	131.4	163.2	75	125	05/02/2024

Batch 222328		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 24041541-069BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	551	2.500	572.0	-824.4	590.4	6.83		05/02/2024
Magnesium		0.050	S	295	2.500	300.9	-235.8	313.2	5.97		05/03/2024
Potassium		0.100		6.25	2.500	3.700	102.1	6.496	3.85		05/02/2024
Sodium		0.050	BS	129	2.500	131.4	-97.6	135.5	4.93		05/02/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222392 SampType: MBLK Units mg/L

SampleID: MBLK-222392

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		< 0.0250	0.0127	0	0	-100	100	05/03/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	05/03/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	05/03/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	05/03/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	05/03/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	05/03/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	05/03/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/03/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	05/03/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	05/03/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	05/03/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	05/03/2024
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	05/03/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/03/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	05/03/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	05/03/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	05/03/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/03/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	05/03/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	05/03/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/03/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	05/03/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	05/03/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222392		SampType: LCS		Units mg/L						
SampID: LCS-222392										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		1.92	2.000	0	96.1	85	115	05/03/2024
Antimony		0.0500		0.506	0.5000	0	101.3	85	115	05/03/2024
Arsenic		0.0250		0.518	0.5000	0	103.6	85	115	05/03/2024
Barium		0.0025		1.94	2.000	0	97.0	85	115	05/03/2024
Beryllium		0.0005		0.0498	0.0500	0	99.6	85	115	05/03/2024
Boron		0.0200		0.478	0.5000	0	95.7	85	115	05/03/2024
Cadmium		0.0020		0.0512	0.0500	0	102.4	85	115	05/03/2024
Calcium		0.100		2.46	2.500	0	98.3	85	115	05/03/2024
Chromium		0.0050		0.198	0.2000	0	99.2	85	115	05/03/2024
Cobalt		0.0050		0.497	0.5000	0	99.4	85	115	05/03/2024
Copper		0.0050		0.246	0.2500	0	98.2	85	115	05/03/2024
Iron		0.0400		2.07	2.000	0	103.5	85	115	05/03/2024
Lead		0.0150		0.503	0.5000	0	100.5	85	115	05/03/2024
Magnesium		0.0500		2.44	2.500	0	97.7	85	115	05/03/2024
Manganese		0.0070		0.501	0.5000	0	100.2	85	115	05/03/2024
Molybdenum		0.0100		0.486	0.5000	0	97.2	85	115	05/03/2024
Nickel		0.0050		0.505	0.5000	0	100.9	85	115	05/03/2024
Potassium		0.100		2.48	2.500	0	99.1	85	115	05/03/2024
Selenium		0.0400		0.505	0.5000	0	101.0	85	115	05/03/2024
Silver		0.0070		0.0470	0.0500	0	94.0	85	115	05/03/2024
Sodium		0.0500		2.47	2.500	0	98.6	85	115	05/03/2024
Thallium		0.0500		0.244	0.2500	0	97.5	85	115	05/03/2024
Vanadium		0.0100		0.489	0.5000	0	97.9	85	115	05/03/2024
Zinc		0.0100		0.496	0.5000	0	99.2	85	115	05/03/2024

Batch 222392		SampType: MS		Units mg/L						
SampID: 24050131-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium		0.0020		0.0529	0.0500	0.001500	102.8	75	125	05/03/2024
Calcium		0.100		48.4	2.500	46.28	84.4	75	125	05/03/2024
Magnesium		0.0500		6.09	2.500	3.663	97.1	75	125	05/03/2024
Zinc		0.0100		0.848	0.5000	0.3432	101.0	75	125	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222392		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24050131-005BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium		0.0020		0.0524	0.0500	0.001500	101.8	0.05290	0.95	05/03/2024
Calcium		0.100		48.8	2.500	46.28	100.0	48.39	0.80	05/03/2024
Magnesium		0.0500		6.10	2.500	3.663	97.4	6.092	0.09	05/03/2024
Zinc		0.0100		0.847	0.5000	0.3432	100.8	0.8482	0.13	05/03/2024

Batch 222392		SampType: MS		Units mg/L							
SampID: 24050189-001BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chromium		0.0050		0.192	0.2000	0	96.0	75	125	05/03/2024	

Batch 222392		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed	
SampID: 24050189-001BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chromium				0.0050		0.190	0.2000	0	95.1	0.1920	0.99	05/03/2024

Batch 222414		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-222414											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/07/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/07/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/07/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/07/2024	

Batch	222414	SampType:	LCS	Units mg/L							
SampID: LCS-222414											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Calcium		0.100		2.64	2.500	0	105.5	85	115	05/07/2024	
Magnesium		0.0500		2.48	2.500	0	99.2	85	115	05/07/2024	
Potassium		0.100		2.70	2.500	0	108.2	85	115	05/07/2024	
Sodium		0.0500		2.69	2.500	0	107.7	85	115	05/07/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222461 SampType: MBLK Units mg/L

SampID: MBLK-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/06/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/06/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/06/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/06/2024

Batch 222461 SampType: LCS Units mg/L

SampID: LCS-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.58	2.500	0	103.2	85	115	05/06/2024
Magnesium		0.0500		2.60	2.500	0	104.1	85	115	05/06/2024
Potassium		0.100		2.61	2.500	0	104.2	85	115	05/06/2024
Sodium		0.0500		2.47	2.500	0	98.7	85	115	05/06/2024

Batch 222461 SampType: MS Units mg/L

SampID: 24050273-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	71.0	2.500	69.40	66.0	75	125	05/06/2024
Magnesium		0.050		18.6	2.500	16.49	85.2	75	125	05/06/2024
Sodium		0.050		10.3	2.500	7.700	105.6	75	125	05/07/2024

Batch 222461 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24050273-001BMDS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		71.5	2.500	69.40	83.6	71.05	0.62	05/06/2024
Magnesium		0.050		18.7	2.500	16.49	87.7	18.62	0.35	05/06/2024
Sodium		0.050		10.2	2.500	7.700	100.8	10.34	1.17	05/07/2024

Batch 222639 SampType: MBLK Units mg/L

SampID: MBLK-222639

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/08/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	05/08/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/08/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	05/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222639		SampType: LCS		Units mg/L							
SampID: LCS-222639											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		2.66	2.500	0	106.3	85	115	05/08/2024	
Magnesium		0.050		2.43	2.500	0	97.2	85	115	05/08/2024	
Potassium		0.100		2.68	2.500	0	107.0	85	115	05/08/2024	
Sodium		0.050		2.57	2.500	0	102.8	85	115	05/08/2024	

Batch 222639		SampType: MS		Units mg/L						
SampID: 24041541-053CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		82.6	2.500	80.55	80.4	75	125	05/08/2024
Magnesium		0.050	S	39.2	2.500	37.46	71.4	75	125	05/08/2024
Potassium		0.100		3.66	2.500	0.9379	108.7	75	125	05/08/2024
Sodium		0.050		57.5	2.500	55.60	77.2	75	125	05/08/2024

Batch 222639		SampType: MSD		Units mg/L					RPD Limit 20	
SampID: 24041541-053CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	82.0	2.500	80.55	59.2	82.56	0.64	05/08/2024
Magnesium		0.050	S	38.9	2.500	37.46	56.3	39.25	0.96	05/08/2024
Potassium		0.100		3.53	2.500	0.9379	103.8	3.656	3.43	05/08/2024
Sodium		0.050	S	55.7	2.500	55.60	5.6	57.53	3.16	05/08/2024

Batch 222656		SampType: MBLK		Units mg/L						
SampID: MBLK-222656										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/10/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/10/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/10/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/10/2024

Batch 222656		SampType: LCS		Units mg/L						
SampID: LCS-222656										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.66	2.500	0	106.4	85	115	05/10/2024
Magnesium		0.0500		2.52	2.500	0	100.9	85	115	05/10/2024
Potassium		0.100		2.79	2.500	0	111.4	85	115	05/10/2024
Sodium		0.0500		2.68	2.500	0	107.0	85	115	05/10/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222656		SampType: MS		Units mg/L						
SampID: 24041541-092BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	226	2.500	215.5	419.6	75	125	05/10/2024
Magnesium		0.050	S	26.4	2.500	22.94	137.0	75	125	05/10/2024
Potassium		1.00	S	24.3	2.500	20.84	136.7	75	125	05/16/2024
Sodium		0.050	S	71.6	2.500	67.61	160.8	75	125	05/10/2024

Batch	222656	SampType:	MSD	Units mg/L					RPD Limit		20
SampID: 24041541-092BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Calcium		0.100	S	233	2.500	215.5	711.6	226.0	3.18	05/10/2024	
Magnesium		0.050	S	27.3	2.500	22.94	173.7	26.37	3.42	05/10/2024	
Potassium		1.00	S	24.5	2.500	20.84	144.2	24.26	0.78	05/16/2024	
Sodium		0.050	S	73.4	2.500	67.61	230.8	71.63	2.41	05/10/2024	

Batch 222728		SampType: MBLK		Units mg/L						
SampID: MBLK-222728										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	05/10/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	05/10/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	05/10/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	05/10/2024

Batch 222728		SampType: LCS		Units mg/L						
SampID: LCS-222728										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.63	2.500	0	105.1	85	115	05/10/2024
Magnesium		0.0500		2.51	2.500	0	100.5	85	115	05/10/2024
Potassium		0.100		2.67	2.500	0	106.9	85	115	05/10/2024
Sodium		0.0500		2.58	2.500	0	103.2	85	115	05/10/2024

Batch 222728		SampType: MS		Units mg/L						
SampID: 24041541-002BMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100	S	130	2.500	129.9	19.2	75	125	05/10/2024
Magnesium		0.050	S	59.5	2.500	57.92	64.9	75	125	05/10/2024
Potassium		0.100		4.55	2.500	1.810	109.6	75	125	05/10/2024
Sodium		0.050	S	78.5	2.500	78.93	-16.0	75	125	05/10/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222728		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24041541-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	128	2.500	129.9	-65.2	130.4	1.63	05/10/2024
Magnesium		0.050	S	58.7	2.500	57.92	31.0	59.54	1.43	05/10/2024
Potassium		0.100		4.51	2.500	1.810	108.0	4.549	0.86	05/10/2024
Sodium		0.050	S	76.9	2.500	78.93	-82.4	78.53	2.14	05/10/2024

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

Batch	222322	SampType:	MBLK	Units µg/L							
SampID:		MBLK-222322									Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/09/2024	
Antimony		1.0	S	2.0	0.4500	0	454.7	-100	100	05/03/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/07/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/03/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/03/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/03/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/03/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/03/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/03/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/06/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/03/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/03/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/03/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/03/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/03/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/03/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/03/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/03/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/03/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/03/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222322 SampType: LCS

Units µg/L

SampleID: LCS-222322

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1800	2000	0	89.8	80	120	05/09/2024
Antimony		1.0	B	440	500.0	0	87.9	80	120	05/03/2024
Antimony		1.0		447	500.0	0	89.5	80	120	05/07/2024
Arsenic		1.0		473	500.0	0	94.7	80	120	05/07/2024
Barium		1.0		2130	2000	0	106.6	80	120	05/03/2024
Beryllium		1.0		46.0	50.00	0	92.1	80	120	05/03/2024
Boron		25.0		471	500.0	0	94.2	80	120	05/03/2024
Cadmium		1.0		52.2	50.00	0	104.5	80	120	05/03/2024
Chromium		1.5		194	200.0	0	96.8	80	120	05/03/2024
Cobalt		1.0		454	500.0	0	90.8	80	120	05/03/2024
Copper		1.0		223	250.0	0	89.1	80	120	05/06/2024
Iron		25.0		1850	2000	0	92.3	80	120	05/03/2024
Lead		1.0		461	500.0	0	92.1	80	120	05/03/2024
Manganese		2.0		489	500.0	0	97.9	80	120	05/03/2024
Molybdenum		1.5		437	500.0	0	87.5	80	120	05/03/2024
Nickel		1.0		454	500.0	0	90.8	80	120	05/03/2024
Selenium		1.0		481	500.0	0	96.3	80	120	05/03/2024
Silver		1.0		45.9	50.00	0	91.7	80	120	05/03/2024
Thallium		2.0		229	250.0	0	91.5	80	120	05/03/2024
Vanadium		5.0		448	500.0	0	89.6	80	120	05/03/2024
Zinc		15.0		443	500.0	0	88.6	80	120	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222322	SampType:	MS	Units	µg/L						
SampleID:	24041541-022CMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Antimony		1.0		478	500.0	0	95.5	75	125	05/07/2024	
Arsenic		1.0		487	500.0	0	97.4	75	125	05/07/2024	
Barium		1.0		2130	2000	70.24	102.9	75	125	05/03/2024	
Beryllium		1.0		45.8	50.00	0	91.6	75	125	05/03/2024	
Boron		25.0		474	500.0	0	94.8	75	125	05/03/2024	
Cadmium		1.0		51.1	50.00	0	102.3	75	125	05/03/2024	
Chromium		1.5		180	200.0	0.9334	89.6	75	125	05/03/2024	
Cobalt		1.0		427	500.0	0	85.4	75	125	05/03/2024	
Copper		1.0		215	250.0	1.306	85.6	75	125	05/06/2024	
Iron		25.0		1770	2000	0	88.3	75	125	05/03/2024	
Lead		1.0		460	500.0	0	92.1	75	125	05/03/2024	
Manganese		2.0		489	500.0	42.22	89.3	75	125	05/03/2024	
Nickel		1.0		420	500.0	0.5959	83.9	75	125	05/03/2024	
Selenium		1.0		469	500.0	0	93.8	75	125	05/03/2024	
Silver		1.0		44.0	50.00	0	88.0	75	125	05/03/2024	
Thallium		2.0		221	250.0	0	88.5	75	125	05/03/2024	
Vanadium		5.0		427	500.0	0	85.4	75	125	05/03/2024	
Zinc		15.0		420	500.0	0	84.1	75	125	05/03/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222322	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24041541-022CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony			1.0		463	500.0	0	92.5	477.5	3.17	05/07/2024
Arsenic			1.0		461	500.0	0	92.2	486.9	5.51	05/07/2024
Barium			1.0		2090	2000	70.24	100.9	2128	1.84	05/03/2024
Beryllium			1.0		44.9	50.00	0	89.7	45.79	2.03	05/03/2024
Boron			25.0		460	500.0	0	91.9	473.9	3.08	05/03/2024
Cadmium			1.0		50.1	50.00	0	100.2	51.15	2.04	05/03/2024
Chromium			1.5		174	200.0	0.9334	86.3	180.0	3.64	05/03/2024
Cobalt			1.0		416	500.0	0	83.3	426.8	2.46	05/03/2024
Copper			1.0		216	250.0	1.306	85.9	215.3	0.41	05/06/2024
Iron			25.0		1720	2000	0	85.9	1767	2.81	05/03/2024
Lead			1.0		451	500.0	0	90.2	460.5	2.08	05/03/2024
Manganese			2.0		477	500.0	42.22	87.0	488.7	2.38	05/03/2024
Nickel			1.0		414	500.0	0.5959	82.7	420.0	1.43	05/03/2024
Selenium			1.0		449	500.0	0	89.7	468.9	4.39	05/03/2024
Silver			1.0		42.9	50.00	0	85.7	43.98	2.57	05/03/2024
Thallium			2.0		218	250.0	0	87.2	221.2	1.49	05/03/2024
Vanadium			5.0		423	500.0	0	84.6	427.0	1.00	05/03/2024
Zinc			15.0		407	500.0	0	81.4	420.4	3.17	05/03/2024

Batch	222322	SampType:	MS	Units µg/L							
SampleID: 24042058-006GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0	B	430	500.0	0	86.0	75	125	05/03/2024	
Arsenic		1.0		470	500.0	0	94.0	75	125	05/07/2024	
Lead		1.0		451	500.0	0	90.2	75	125	05/03/2024	
Selenium		1.0		449	500.0	0	89.8	75	125	05/03/2024	
Thallium		2.0		220	250.0	0	87.9	75	125	05/03/2024	

Batch	222322	SampType:	MSD	Units µg/L				RPD Limit 20			
SampleID: 24042058-006GMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Antimony			1.0	B	450	500.0	0	90.0	429.9	4.58	05/03/2024
Arsenic			1.0		474	500.0	0	94.7	469.9	0.79	05/07/2024
Lead			1.0		449	500.0	0	89.8	451.1	0.52	05/03/2024
Selenium			1.0		461	500.0	0	92.1	449.2	2.49	05/03/2024
Thallium			2.0		221	250.0	0	88.3	219.8	0.46	05/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222415		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-222415												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/09/2024		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/10/2024		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024		
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/07/2024		
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/08/2024		
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/08/2024		
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/07/2024		
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/08/2024		
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/08/2024		
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/08/2024		
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/08/2024		
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024		
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/08/2024		
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/07/2024		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/08/2024		
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024		
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/07/2024		
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/07/2024		
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/08/2024		
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/08/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222415		SampType: LCS		Units µg/L							
SampID: LCS-222415											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1880	2000	0	93.8	80	120	05/09/2024	
Antimony		1.0		513	500.0	0	102.5	80	120	05/10/2024	
Arsenic		1.0		507	500.0	0	101.4	80	120	05/07/2024	
Barium		1.0		2290	2000	0	114.6	80	120	05/07/2024	
Beryllium		1.0		46.9	50.00	0	93.9	80	120	05/08/2024	
Boron		25.0		485	500.0	0	96.9	80	120	05/08/2024	
Cadmium		1.0		50.6	50.00	0	101.2	80	120	05/07/2024	
Chromium		1.5		195	200.0	0	97.7	80	120	05/08/2024	
Cobalt		1.0		475	500.0	0	95.0	80	120	05/08/2024	
Copper		1.0		242	250.0	0	96.8	80	120	05/08/2024	
Iron		25.0		1810	2000	0	90.3	80	120	05/08/2024	
Lead		1.0		507	500.0	0	101.5	80	120	05/07/2024	
Manganese		2.0		492	500.0	0	98.3	80	120	05/08/2024	
Molybdenum		1.5		487	500.0	0	97.3	80	120	05/07/2024	
Nickel		1.0		469	500.0	0	93.8	80	120	05/08/2024	
Selenium		1.0		537	500.0	0	107.5	80	120	05/07/2024	
Silver		1.0		42.4	50.00	0	84.8	80	120	05/10/2024	
Thallium		2.0		247	250.0	0	98.7	80	120	05/07/2024	
Vanadium		5.0		456	500.0	0	91.2	80	120	05/08/2024	
Zinc		15.0		451	500.0	0	90.3	80	120	05/08/2024	

Batch 222415		SampType: MS		Units µg/L							
SampID: 24041541-010GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		438	500.0	0	87.6	75	125	05/10/2024	
Arsenic		1.0		524	500.0	0	104.8	75	125	05/07/2024	
Barium		1.0		2310	2000	51.62	113.1	75	125	05/07/2024	
Boron		25.0		490	500.0	0	98.1	75	125	05/08/2024	
Cadmium		1.0		50.3	50.00	0	100.6	75	125	05/07/2024	
Chromium		1.5		192	200.0	0	95.8	75	125	05/08/2024	
Cobalt		1.0		465	500.0	0	93.0	75	125	05/08/2024	
Lead		1.0		511	500.0	0	102.3	75	125	05/07/2024	
Manganese		2.0		528	500.0	38.57	98.0	75	125	05/08/2024	
Zinc		15.0		454	500.0	0	90.8	75	125	05/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222415		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-010GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		458	500.0	0	91.7	437.8	4.59	05/10/2024
Arsenic		1.0		510	500.0	0	102.0	523.9	2.74	05/07/2024
Barium		1.0		2270	2000	51.62	110.9	2313	1.93	05/07/2024
Boron		25.0		466	500.0	0	93.3	490.4	5.02	05/08/2024
Cadmium		1.0		49.6	50.00	0	99.2	50.32	1.48	05/07/2024
Chromium		1.5		183	200.0	0	91.4	191.5	4.67	05/08/2024
Cobalt		1.0		440	500.0	0	88.0	465.1	5.61	05/08/2024
Lead		1.0		501	500.0	0	100.2	511.3	2.05	05/07/2024
Manganese		2.0		497	500.0	38.57	91.6	528.5	6.23	05/08/2024
Zinc		15.0		417	500.0	0	83.4	454.0	8.46	05/08/2024

Batch 222458		SampType: MBLK		Units µg/L						
SampID: MBLK-222458										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/14/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/14/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/14/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/14/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/14/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/14/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/15/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/14/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/14/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/14/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/14/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/14/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/14/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/14/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/14/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/14/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/14/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222458		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-222458											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2360	2000	0	117.9	80	120	05/14/2024	
Antimony		1.0		445	500.0	0	88.9	80	120	05/14/2024	
Arsenic		1.0		473	500.0	0	94.6	80	120	05/14/2024	
Barium		1.0		2100	2000	0	105.0	80	120	05/15/2024	
Beryllium		1.0		57.7	50.00	0	115.4	80	120	05/14/2024	
Boron		25.0		564	500.0	0	112.9	80	120	05/14/2024	
Cadmium		1.0		59.5	50.00	0	119.1	80	120	05/14/2024	
Chromium		1.5		204	200.0	0	102.2	80	120	05/15/2024	
Cobalt		1.0		558	500.0	0	111.6	80	120	05/15/2024	
Copper		1.0		249	250.0	0	99.8	80	120	05/15/2024	
Iron		25.0		2330	2000	0	116.6	80	120	05/14/2024	
Lead		1.0		508	500.0	0	101.6	80	120	05/15/2024	
Manganese		2.0		597	500.0	0	119.3	80	120	05/14/2024	
Molybdenum		1.5		545	500.0	0	109.0	80	120	05/14/2024	
Nickel		1.0		586	500.0	0	117.3	80	120	05/14/2024	
Selenium		1.0		572	500.0	0	114.5	80	120	05/14/2024	
Silver		1.0		55.6	50.00	0	111.1	80	120	05/14/2024	
Thallium		2.0		288	250.0	0	115.1	80	120	05/14/2024	
Vanadium		5.0		579	500.0	0	115.8	80	120	05/14/2024	
Zinc		15.0		556	500.0	0	111.3	80	120	05/14/2024	

Batch 222458		SampType: MS		Units µg/L							
SampID: 24041541-018GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		882	1000	0	88.2	75	125	05/16/2024	
Arsenic		1.0		1020	1000	0	102.3	75	125	05/14/2024	
Barium		1.0		4090	4000	62.86	100.8	75	125	05/15/2024	
Boron		25.0		1050	1000	9.949	104.0	75	125	05/14/2024	
Cadmium		1.0		89.9	100.0	0	89.9	75	125	05/15/2024	
Chromium		1.5		343	400.0	0.9918	85.4	75	125	05/15/2024	
Cobalt		1.0		909	1000	0	90.9	75	125	05/15/2024	
Lead		1.0		854	1000	0	85.4	75	125	05/15/2024	
Manganese		2.0		1130	1000	68.13	106.5	75	125	05/14/2024	
Zinc		15.0		939	1000	0	93.9	75	125	05/14/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222458		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-018GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		900	1000	0	90.0	881.6	2.03	05/16/2024
Arsenic		1.0		909	1000	0	90.9	1023	11.83	05/14/2024
Barium		1.0		3960	4000	62.86	97.4	4094	3.33	05/15/2024
Boron		25.0		903	1000	9.949	89.3	1050	15.00	05/14/2024
Cadmium		1.0		85.0	100.0	0	85.0	89.87	5.56	05/15/2024
Chromium		1.5		334	400.0	0.9918	83.2	342.6	2.65	05/15/2024
Cobalt		1.0		898	1000	0	89.8	908.7	1.23	05/15/2024
Lead		1.0		857	1000	0	85.7	853.6	0.34	05/15/2024
Manganese		2.0		992	1000	68.13	92.4	1133	13.22	05/14/2024
Zinc		15.0		829	1000	0	82.9	939.3	12.46	05/14/2024

Batch 222458		SampType: MS		Units µg/L						
SampID: 24050001-008EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		477	500.0	2.968	94.8	75	125	05/15/2024
Lead		1.0		475	500.0	0	95.0	75	125	05/15/2024

Batch 222458		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24050001-008EMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic			1.0		490	500.0	2.968	97.5	476.9	2.75	05/15/2024
Lead			1.0		484	500.0	0	96.8	475.0	1.91	05/15/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222460	SampType:	MBLK	Units µg/L							
SampID:		MBLK-222460									Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/08/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/08/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/08/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/08/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/07/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/08/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/08/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/08/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/08/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/08/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/07/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/08/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/07/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/07/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/08/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222460		SampType: LCS		Units µg/L						
SampID: LCS-222460										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1680	2000	0	83.8	80	120	05/08/2024
Antimony		1.0		440	500.0	0	88.0	80	120	05/08/2024
Arsenic		1.0		473	500.0	0	94.7	80	120	05/07/2024
Beryllium		1.0		43.9	50.00	0	87.9	80	120	05/08/2024
Boron		25.0		441	500.0	0	88.3	80	120	05/08/2024
Cadmium		1.0		47.2	50.00	0	94.3	80	120	05/07/2024
Chromium		1.5		184	200.0	0	91.8	80	120	05/08/2024
Cobalt		1.0		464	500.0	0	92.7	80	120	05/08/2024
Copper		1.0		240	250.0	0	95.9	80	120	05/08/2024
Iron		25.0		1730	2000	0	86.6	80	120	05/08/2024
Lead		1.0		477	500.0	0	95.4	80	120	05/07/2024
Manganese		2.0		455	500.0	0	91.1	80	120	05/08/2024
Molybdenum		1.5		479	500.0	0	95.9	80	120	05/07/2024
Nickel		1.0		462	500.0	0	92.4	80	120	05/08/2024
Selenium		1.0		495	500.0	0	99.0	80	120	05/07/2024
Silver		1.0		43.3	50.00	0	86.7	80	120	05/07/2024
Thallium		2.0		235	250.0	0	93.9	80	120	05/07/2024
Vanadium		5.0		446	500.0	0	89.2	80	120	05/08/2024
Zinc		15.0		411	500.0	0	82.3	80	120	05/08/2024

Batch 222460		SampType: MS		Units µg/L						
SampID: 24041541-004GMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		424	500.0	0	84.8	75	125	05/08/2024
Arsenic		1.0		478	500.0	0	95.5	75	125	05/07/2024
Barium		1.0		2120	2000	16.75	105.0	75	125	05/07/2024
Boron		25.0		451	500.0	0	90.1	75	125	05/08/2024
Cadmium		1.0		46.0	50.00	0	92.1	75	125	05/07/2024
Chromium		1.5		179	200.0	0.7767	89.2	75	125	05/08/2024
Cobalt		1.0		436	500.0	0	87.2	75	125	05/08/2024
Lead		1.0		482	500.0	0	96.4	75	125	05/07/2024
Manganese		2.0		453	500.0	0	90.6	75	125	05/08/2024
Zinc		15.0		408	500.0	0	81.7	75	125	05/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222460	SampType:	MSD	Units µg/L				RPD Limit 20		
SampID: 24041541-004GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		457	500.0	0	91.5	423.8	7.63	05/08/2024
Arsenic		1.0		492	500.0	0	98.5	477.5	3.06	05/07/2024
Barium		1.0		2170	2000	16.75	107.5	2117	2.31	05/07/2024
Boron		25.0		470	500.0	0	94.0	450.5	4.19	05/08/2024
Cadmium		1.0		46.8	50.00	0	93.7	46.04	1.70	05/07/2024
Chromium		1.5		181	200.0	0.7767	90.3	179.2	1.23	05/08/2024
Cobalt		1.0		444	500.0	0	88.8	436.2	1.78	05/08/2024
Lead		1.0		486	500.0	0	97.2	481.9	0.82	05/07/2024
Manganese		2.0		458	500.0	0	91.6	453.0	1.05	05/08/2024
Zinc		15.0		400	500.0	0	80.1	408.4	2.02	05/08/2024

Batch	222799	SampType:	MBLK	Units		µg/L					
SampID: MBLK-222799											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/14/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/14/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/14/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/14/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/14/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/14/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/14/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/14/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/14/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	05/14/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/14/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/14/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/16/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/14/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	05/14/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/14/2024	
Zinc		15.0	S	16.5	5.900	0	280.3	-100	100	05/14/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222799 SampType: LCS

Units µg/L

SampleID: LCS-222799

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1800	2000	0	89.8	80	120	05/14/2024
Antimony		1.0		435	500.0	0	86.9	80	120	05/14/2024
Arsenic		1.0		464	500.0	0	92.9	80	120	05/14/2024
Barium		1.0		1860	2000	0	93.2	80	120	05/14/2024
Beryllium		1.0		42.9	50.00	0	85.7	80	120	05/14/2024
Boron		25.0		433	500.0	0	86.7	80	120	05/14/2024
Cadmium		1.0		44.9	50.00	0	89.8	80	120	05/14/2024
Chromium		1.5		187	200.0	0	93.5	80	120	05/14/2024
Cobalt		1.0		448	500.0	0	89.5	80	120	05/14/2024
Copper		1.0		227	250.0	0	90.8	80	120	05/14/2024
Iron		25.0		1780	2000	0	88.9	80	120	05/14/2024
Lead		1.0		466	500.0	0	93.1	80	120	05/14/2024
Manganese		2.0		458	500.0	0	91.6	80	120	05/14/2024
Molybdenum		1.5		432	500.0	0	86.3	80	120	05/14/2024
Nickel		1.0		447	500.0	0	89.3	80	120	05/14/2024
Selenium		1.0		504	500.0	0	100.8	80	120	05/14/2024
Silver		1.0		43.2	50.00	0	86.4	80	120	05/14/2024
Thallium		2.0		228	250.0	0	91.3	80	120	05/14/2024
Vanadium		5.0		447	500.0	0	89.3	80	120	05/14/2024
Zinc		15.0	B	418	500.0	0	83.6	80	120	05/14/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222799 SampType: MS

Units µg/L

SampleID: 24041541-042DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1820	2000	0	90.8	75	125	05/14/2024
Antimony		1.0		499	500.0	0.5213	99.8	75	125	05/14/2024
Arsenic		1.0		461	500.0	0	92.1	75	125	05/14/2024
Barium		1.0		1860	2000	33.16	91.4	75	125	05/14/2024
Beryllium		1.0		46.4	50.00	0	92.8	75	125	05/14/2024
Boron		25.0		461	500.0	0	92.2	75	125	05/14/2024
Cadmium		1.0		46.7	50.00	0	93.4	75	125	05/14/2024
Chromium		1.5		188	200.0	0.8191	93.5	75	125	05/14/2024
Cobalt		1.0		451	500.0	0	90.1	75	125	05/14/2024
Copper		1.0		227	250.0	0	90.9	75	125	05/14/2024
Iron		25.0		1820	2000	22.62	89.6	75	125	05/14/2024
Lead		1.0		460	500.0	0	92.0	75	125	05/14/2024
Manganese		2.0		494	500.0	33.81	92.0	75	125	05/14/2024
Molybdenum		1.5		426	500.0	0	85.1	75	125	05/17/2024
Nickel		1.0		453	500.0	0	90.7	75	125	05/14/2024
Selenium		1.0		459	500.0	0.7015	91.6	75	125	05/14/2024
Silver		1.0		42.9	50.00	0	85.8	75	125	05/14/2024
Thallium		2.0		217	250.0	0	86.8	75	125	05/14/2024
Vanadium		5.0		453	500.0	0	90.5	75	125	05/14/2024
Zinc		15.0	B	433	500.0	0	86.6	75	125	05/14/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222799	SampType:	MSD	Units µg/L				RPD Limit			20
SampID: 24041541-042DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		1830	2000	0	91.5	1815	0.83	05/14/2024
Antimony			1.0		503	500.0	0.5213	100.5	499.3	0.79	05/14/2024
Arsenic			1.0		454	500.0	0	90.7	460.6	1.54	05/14/2024
Barium			1.0		1880	2000	33.16	92.5	1860	1.20	05/14/2024
Beryllium			1.0		45.9	50.00	0	91.8	46.42	1.07	05/14/2024
Boron			25.0		463	500.0	0	92.5	461.0	0.36	05/14/2024
Cadmium			1.0		46.5	50.00	0	92.9	46.70	0.49	05/14/2024
Chromium			1.5		188	200.0	0.8191	93.6	187.8	0.15	05/14/2024
Cobalt			1.0		447	500.0	0	89.4	450.6	0.78	05/14/2024
Copper			1.0		224	250.0	0	89.6	227.1	1.35	05/14/2024
Iron			25.0		1810	2000	22.62	89.5	1816	0.21	05/14/2024
Lead			1.0		459	500.0	0	91.8	460.2	0.28	05/14/2024
Manganese			2.0		491	500.0	33.81	91.4	493.8	0.65	05/14/2024
Molybdenum			1.5		428	500.0	0	85.7	425.7	0.64	05/17/2024
Nickel			1.0		445	500.0	0	89.0	453.3	1.85	05/14/2024
Selenium			1.0		450	500.0	0.7015	89.9	458.8	1.88	05/14/2024
Silver			1.0		43.0	50.00	0	86.0	42.88	0.25	05/14/2024
Thallium			2.0		218	250.0	0	87.2	217.0	0.50	05/14/2024
Vanadium			5.0		453	500.0	0	90.7	452.6	0.15	05/14/2024
Zinc			15.0	B	427	500.0	0	85.5	432.9	1.28	05/14/2024

Batch	222799	SampType:	MS	Units µg/L							
SampID: 24050464-001GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		473	500.0	0	94.7	75	125	05/16/2024	
Arsenic		1.0		500	500.0	0	100.1	75	125	05/16/2024	
Lead		1.0		500	500.0	0	100.0	75	125	05/16/2024	
Selenium		1.0		512	500.0	0	102.4	75	125	05/16/2024	
Thallium		2.0		239	250.0	0	95.5	75	125	05/16/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222799		SampType: MSD		Units µg/L					RPD Limit 20		Date Analyzed
SampID: 24050464-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Antimony			1.0		472	500.0	0	94.4	473.4	0.27	
Arsenic			1.0		488	500.0	0	97.6	500.5	2.55	
Lead			1.0		476	500.0	0	95.1	500.2	5.04	
Selenium			1.0		508	500.0	0	101.7	512.0	0.72	
Thallium			2.0		235	250.0	0	94.2	238.9	1.47	

Batch 223767		SampType: MBLK		Units µg/L						
SampID: MBLK-223767										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	06/04/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	06/04/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	06/04/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	06/04/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	06/04/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	06/04/2024

Batch 223767		SampType: LCS		Units µg/L						
SampID: LCS-223767										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		412	500.0	0	82.4	80	120	06/04/2024
Barium		1.0		1740	2000	0	86.9	80	120	06/04/2024
Copper		1.0		218	250.0	0	87.2	80	120	06/04/2024
Lead		1.0		425	500.0	0	85.0	80	120	06/04/2024
Nickel		1.0		425	500.0	0	84.9	80	120	06/04/2024
Zinc		15.0		427	500.0	0	85.4	80	120	06/04/2024

Batch 223767		SampType: MS		Units µg/L							
SampID: 24041541-034DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nickel		1.0		423	500.0	0	84.5	75	125	06/04/2024	

Batch 223767		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24041541-034DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nickel			1.0		391	500.0	0	78.3	422.5	7.62	06/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 223767		SampType: MS		Units µg/L							
SampID: 24041541-086DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Barium		1.0		2010	2000	65.55	97.5	75	125	06/04/2024	

Batch 223767		SampType: MSD		Units µg/L				RPD Limit 20			Date Analyzed
SampID: 24041541-086DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Barium		1.0		1730	2000	65.55	83.2	2015	15.25	06/04/2024	

Batch 224006		SampType: MBLK		Units µg/L							
SampID: MBLK-224006											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	06/06/2024	

Batch 224006		SampType: LCS		Units µg/L							
SampID: LCS-224006											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		447	500.0	0	89.4	80	120	06/06/2024	

Batch 224006		SampType: MS		Units µg/L							
SampID: 24041541-021GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		807	1000	0	80.7	75	125	06/06/2024	

Batch 224006		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24041541-021GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony			1.0	R	989	1000	0	98.9	807.0	20.24	06/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222328 SampType: MBLK Units µg/L

SampleID: MBLK-222328

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/07/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/09/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/07/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/07/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/07/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/07/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/07/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/07/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/07/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/07/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/07/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/07/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/07/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/07/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/07/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/07/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/07/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/07/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222328	SampType:	LCS	Units µg/L							
SampID:		LCS-222328									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		1950	2000	0	97.3	80	120	05/07/2024	
Antimony		1.0		545	500.0	0	108.9	80	120	05/09/2024	
Arsenic		1.0		536	500.0	0	107.2	80	120	05/07/2024	
Barium		1.0		2340	2000	0	116.8	80	120	05/07/2024	
Beryllium		1.0		55.1	50.00	0	110.2	80	120	05/07/2024	
Boron		25.0		556	500.0	0	111.2	80	120	05/07/2024	
Cadmium		1.0		54.9	50.00	0	109.8	80	120	05/07/2024	
Chromium		1.5		230	200.0	0	115.2	80	120	05/07/2024	
Cobalt		1.0		530	500.0	0	106.0	80	120	05/07/2024	
Copper		1.0		282	250.0	0	112.9	80	120	05/07/2024	
Iron		25.0		2100	2000	0	105.2	80	120	05/07/2024	
Lead		1.0		532	500.0	0	106.5	80	120	05/07/2024	
Lithium	*	3.0		567	500.0	0	113.4	80	120	05/07/2024	
Manganese		2.0		548	500.0	0	109.5	80	120	05/07/2024	
Molybdenum		1.5		529	500.0	0	105.7	80	120	05/07/2024	
Nickel		1.0		558	500.0	0	111.6	80	120	05/07/2024	
Selenium		1.0		547	500.0	0	109.3	80	120	05/07/2024	
Silver		1.0		50.7	50.00	0	101.5	80	120	05/07/2024	
Thallium		2.0		259	250.0	0	103.5	80	120	05/07/2024	
Vanadium		5.0		544	500.0	0	108.8	80	120	05/07/2024	
Zinc		15.0		512	500.0	0	102.5	80	120	05/07/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222328		SampType: MS		Units µg/L							
SampID: 24041541-069BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		540	500.0	0	108.0	75	125	05/09/2024	
Arsenic		1.0		543	500.0	0.6306	108.4	75	125	05/07/2024	
Barium		1.0		2390	2000	15.20	118.6	75	125	05/07/2024	
Beryllium		1.0		52.2	50.00	0	104.4	75	125	05/07/2024	
Boron		25.0		665	500.0	132.8	106.4	75	125	05/07/2024	
Cadmium		1.0		52.8	50.00	0	105.5	75	125	05/07/2024	
Chromium		1.5		221	200.0	5.957	107.3	75	125	05/07/2024	
Cobalt		1.0		527	500.0	2.055	105.1	75	125	05/07/2024	
Lead		1.0		555	500.0	0	111.0	75	125	05/07/2024	
Lithium	*	3.0		554	500.0	5.324	109.7	75	125	05/07/2024	
Molybdenum		1.5		494	500.0	1.568	98.4	75	125	05/07/2024	
Selenium		1.0		532	500.0	0	106.5	75	125	05/07/2024	
Thallium		2.0		278	250.0	0	111.1	75	125	05/07/2024	

Batch	222328	SampType:	MSD	Units µg/L					RPD Limit		20
SampID: 24041541-069BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony			1.0		535	500.0	0	106.9	540.0	0.99	05/09/2024
Arsenic			1.0		553	500.0	0.6306	110.5	542.6	1.92	05/07/2024
Barium			1.0		2340	2000	15.20	116.3	2387	1.91	05/07/2024
Beryllium			1.0		51.7	50.00	0	103.3	52.19	1.01	05/07/2024
Boron			25.0		654	500.0	132.8	104.3	664.7	1.61	05/07/2024
Cadmium			1.0		51.3	50.00	0	102.5	52.77	2.93	05/07/2024
Chromium			1.5		220	200.0	5.957	107.1	220.6	0.16	05/07/2024
Cobalt			1.0		519	500.0	2.055	103.3	527.4	1.69	05/07/2024
Lead			1.0		548	500.0	0	109.5	555.1	1.37	05/07/2024
Lithium		*	3.0		537	500.0	5.324	106.4	554.0	3.09	05/07/2024
Molybdenum			1.5		485	500.0	1.568	96.7	493.7	1.82	05/07/2024
Selenium			1.0		542	500.0	0	108.4	532.3	1.86	05/07/2024
Thallium			2.0		274	250.0	0	109.8	277.8	1.21	05/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222392 SampType: MBLK Units µg/L

SampleID: MBLK-222392

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/07/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/09/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/07/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/07/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/07/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/07/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/07/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/08/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/07/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/07/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/07/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/07/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/07/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/07/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/07/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/07/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/07/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/07/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/07/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/07/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222392 SampType: LCS

Units µg/L

SampleID: LCS-222392

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1930	2000	0	96.6	80	120	05/07/2024
Antimony		1.0		539	500.0	0	107.9	80	120	05/09/2024
Arsenic		1.0		533	500.0	0	106.7	80	120	05/07/2024
Barium		1.0		2320	2000	0	115.8	80	120	05/07/2024
Beryllium		1.0		53.9	50.00	0	107.9	80	120	05/07/2024
Boron		25.0		533	500.0	0	106.6	80	120	05/07/2024
Cadmium		1.0		51.0	50.00	0	102.1	80	120	05/07/2024
Chromium		1.5		199	200.0	0	99.3	80	120	05/08/2024
Cobalt		1.0		529	500.0	0	105.8	80	120	05/07/2024
Copper		1.0		276	250.0	0	110.3	80	120	05/07/2024
Iron		25.0		2070	2000	0	103.5	80	120	05/07/2024
Lead		1.0		528	500.0	0	105.5	80	120	05/07/2024
Lithium	*	3.0		534	500.0	0	106.8	80	120	05/07/2024
Manganese		2.0		534	500.0	0	106.8	80	120	05/07/2024
Molybdenum		1.5		511	500.0	0	102.2	80	120	05/07/2024
Nickel		1.0		532	500.0	0	106.4	80	120	05/07/2024
Selenium		1.0		543	500.0	0	108.5	80	120	05/07/2024
Silver		1.0		48.2	50.00	0	96.3	80	120	05/07/2024
Thallium		2.0		257	250.0	0	102.7	80	120	05/07/2024
Vanadium		5.0		538	500.0	0	107.6	80	120	05/07/2024
Zinc		15.0		503	500.0	0	100.6	80	120	05/07/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222414 SampType: MBLK Units µg/L

SampleID: MBLK-222414

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/09/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/10/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/10/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/09/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/09/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/09/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/10/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/09/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/09/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/09/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/09/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/09/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/09/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/09/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/09/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/09/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222414	SampType:	LCS	Units µg/L							
SampleID:		LCS-222414									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		1920	2000	0	96.1	80	120	05/09/2024
Antimony			1.0		565	500.0	0	113.0	80	120	05/10/2024
Arsenic			1.0		529	500.0	0	105.9	80	120	05/10/2024
Barium			1.0		2250	2000	0	112.7	80	120	05/09/2024
Beryllium			1.0		50.4	50.00	0	100.9	80	120	05/09/2024
Boron			25.0		507	500.0	0	101.4	80	120	05/09/2024
Cadmium			1.0		51.7	50.00	0	103.4	80	120	05/13/2024
Cadmium			1.0		51.7	50.00	0	103.4	80	120	05/13/2024
Chromium			1.5		208	200.0	0	104.0	80	120	05/09/2024
Cobalt			1.0		530	500.0	0	106.1	80	120	05/10/2024
Copper			1.0		254	250.0	0	101.5	80	120	05/09/2024
Iron			25.0		1970	2000	0	98.4	80	120	05/09/2024
Lead			1.0		502	500.0	0	100.5	80	120	05/09/2024
Lithium		*	3.0		518	500.0	0	103.6	80	120	05/09/2024
Manganese			2.0		511	500.0	0	102.3	80	120	05/09/2024
Molybdenum			1.5		479	500.0	0	95.8	80	120	05/09/2024
Nickel			1.0		493	500.0	0	98.6	80	120	05/09/2024
Selenium			1.0		536	500.0	0	107.2	80	120	05/09/2024
Thallium			2.0		244	250.0	0	97.7	80	120	05/09/2024
Vanadium			5.0		496	500.0	0	99.2	80	120	05/09/2024
Zinc			15.0		481	500.0	0	96.3	80	120	05/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222461 SampType: MBLK Units µg/L

SampID: MBLK-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/09/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/08/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/10/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/08/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/10/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/10/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/09/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/10/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/09/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/10/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/09/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/10/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/09/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/10/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/09/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/10/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/08/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/09/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/10/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/09/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/10/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/16/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/10/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/10/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/08/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/10/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/08/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/09/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/10/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/10/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222461 SampType: MBLK Units µg/L

SampID: MBLK-222461

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

Batch 222461 SampType: LCS Units µg/L

SampID: LCS-222461

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		475	500.0	0	95.0	80	120	05/08/2024
Antimony		1.0		560	500.0	0	112.1	80	120	05/10/2024
Arsenic		1.0		498	500.0	0	99.6	80	120	05/08/2024
Arsenic		1.0		510	500.0	0	101.9	80	120	05/10/2024
Barium		1.0		2180	2000	0	108.9	80	120	05/09/2024
Beryllium		1.0		48.3	50.00	0	96.6	80	120	05/10/2024
Boron		25.0		485	500.0	0	96.9	80	120	05/10/2024
Cadmium		1.0		54.6	50.00	0	109.3	80	120	05/13/2024
Chromium		1.5		205	200.0	0	102.7	80	120	05/10/2024
Cobalt		1.0		510	500.0	0	102.0	80	120	05/10/2024
Copper		1.0		259	250.0	0	103.6	80	120	05/10/2024
Iron		25.0		1970	2000	0	98.7	80	120	05/10/2024
Lead		1.0		502	500.0	0	100.3	80	120	05/08/2024
Lithium	*	3.0		482	500.0	0	96.4	80	120	05/10/2024
Manganese		2.0		515	500.0	0	102.9	80	120	05/10/2024
Molybdenum		1.5		417	500.0	0	83.5	80	120	05/16/2024
Nickel		1.0		514	500.0	0	102.8	80	120	05/10/2024
Selenium		1.0		524	500.0	0	104.7	80	120	05/10/2024
Selenium		1.0		490	500.0	0	98.1	80	120	05/08/2024
Silver		1.0		45.5	50.00	0	91.0	80	120	05/10/2024
Thallium		2.0		239	250.0	0	95.4	80	120	05/09/2024
Vanadium		5.0		490	500.0	0	98.1	80	120	05/10/2024
Zinc		15.0		469	500.0	0	93.9	80	120	05/10/2024

Batch 222461 SampType: MS Units µg/L

SampID: 24050273-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		475	500.0	0.5302	94.8	75	125	05/08/2024
Arsenic		1.0		477	500.0	1.562	95.1	75	125	05/08/2024
Lead		1.0		495	500.0	0	99.0	75	125	05/08/2024
Selenium		1.0		476	500.0	0	95.3	75	125	05/08/2024
Thallium		2.0		221	250.0	1.555	87.7	75	125	05/08/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222461		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24050273-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		457	500.0	0.5302	91.3	474.7	3.80	05/08/2024
Arsenic		1.0		474	500.0	1.562	94.4	477.3	0.74	05/08/2024
Lead		1.0		464	500.0	0	92.9	495.1	6.40	05/08/2024
Selenium		1.0		476	500.0	0	95.2	476.4	0.13	05/08/2024
Thallium		2.0		229	250.0	1.555	91.0	220.8	3.62	05/08/2024

Batch 222639		SampType: MBLK		Units µg/L							
SampID: MBLK-222639											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/13/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/14/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/10/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/13/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/13/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024	
Calcium		125		< 125	70.00	0	0	-100	100	05/13/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/13/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/13/2024	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/13/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/13/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/10/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/13/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/13/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/13/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/13/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/13/2024	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/13/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/10/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/13/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222639	SampType:	LCS	Units µg/L							
SampID:		LCS-222639									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		2150	2000	0	107.5	80	120	05/13/2024
Antimony			1.0		589	500.0	0	117.7	80	120	05/14/2024
Barium			1.0		2220	2000	0	110.9	80	120	05/10/2024
Beryllium			1.0		51.5	50.00	0	103.0	80	120	05/13/2024
Boron			25.0		488	500.0	0	97.6	80	120	05/13/2024
Cadmium			1.0		53.9	50.00	0	107.7	80	120	05/13/2024
Calcium			125		2790	2500	0	111.6	80	120	05/13/2024
Chromium			1.5		218	200.0	0	109.1	80	120	05/13/2024
Cobalt			1.0		531	500.0	0	106.3	80	120	05/13/2024
Copper			1.0		272	250.0	0	108.9	80	120	05/13/2024
Iron			25.0		2090	2000	0	104.7	80	120	05/13/2024
Lead			1.0		499	500.0	0	99.7	80	120	05/10/2024
Lithium		*	3.0		512	500.0	0	102.4	80	120	05/13/2024
Manganese			2.0		545	500.0	0	109.0	80	120	05/13/2024
Molybdenum			1.5		488	500.0	0	97.5	80	120	05/13/2024
Nickel			1.0		522	500.0	0	104.4	80	120	05/13/2024
Selenium			1.0		556	500.0	0	111.2	80	120	05/13/2024
Silver			1.0		51.3	50.00	0	102.6	80	120	05/13/2024
Thallium			2.0		240	250.0	0	96.0	80	120	05/10/2024
Vanadium			5.0		521	500.0	0	104.2	80	120	05/13/2024
Zinc			15.0		497	500.0	0	99.4	80	120	05/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222639 SampType: MS

Units µg/L

SampleID: 24041541-053CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3000	2000	1001	100.0	75	125	05/13/2024
Antimony		1.0		595	500.0	0.5594	118.9	75	125	05/15/2024
Arsenic		1.0		508	500.0	0.5853	101.5	75	125	05/13/2024
Barium		1.0		2220	2000	49.59	108.7	75	125	05/10/2024
Beryllium		1.0		51.2	50.00	0	102.4	75	125	05/13/2024
Boron		25.0		479	500.0	0	95.7	75	125	05/13/2024
Cadmium		1.0		51.3	50.00	0	102.7	75	125	05/13/2024
Chromium		1.5		207	200.0	2.444	102.3	75	125	05/13/2024
Cobalt		1.0		488	500.0	0.4841	97.4	75	125	05/13/2024
Copper		1.0		240	250.0	1.764	95.2	75	125	05/13/2024
Iron		25.0		3140	2000	1179	98.3	75	125	05/13/2024
Lead		1.0		489	500.0	0.7038	97.7	75	125	05/10/2024
Lithium	*	3.0		508	500.0	4.660	100.6	75	125	05/13/2024
Manganese		2.0		541	500.0	34.07	101.4	75	125	05/13/2024
Molybdenum		1.5		462	500.0	1.025	92.2	75	125	05/13/2024
Nickel		1.0		472	500.0	1.787	94.1	75	125	05/13/2024
Selenium		1.0		516	500.0	0	103.2	75	125	05/13/2024
Silver		1.0		46.1	50.00	0	92.1	75	125	05/13/2024
Thallium		2.0		238	250.0	0	95.4	75	125	05/10/2024
Vanadium		5.0		500	500.0	0	99.9	75	125	05/13/2024
Zinc		15.0		465	500.0	0	93.0	75	125	05/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222639	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24041541-053CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		3030	2000	1001	101.6	3000	1.10	05/13/2024
Antimony			1.0		568	500.0	0.5594	113.4	594.8	4.67	05/15/2024
Arsenic			1.0		532	500.0	0.5853	106.2	507.9	4.60	05/13/2024
Barium			1.0		2140	2000	49.59	104.5	2223	3.86	05/10/2024
Beryllium			1.0		52.0	50.00	0	104.1	51.22	1.59	05/13/2024
Boron			25.0		492	500.0	0	98.3	478.7	2.68	05/13/2024
Cadmium			1.0		50.9	50.00	0	101.9	51.34	0.81	05/13/2024
Chromium			1.5		213	200.0	2.444	105.0	207.0	2.65	05/13/2024
Cobalt			1.0		502	500.0	0.4841	100.3	487.6	2.86	05/13/2024
Copper			1.0		253	250.0	1.764	100.3	239.9	5.14	05/13/2024
Iron			25.0		3200	2000	1179	101.0	3145	1.74	05/13/2024
Lead			1.0		484	500.0	0.7038	96.6	489.2	1.11	05/10/2024
Lithium		*	3.0		527	500.0	4.660	104.5	507.7	3.76	05/13/2024
Manganese			2.0		564	500.0	34.07	105.9	541.3	4.05	05/13/2024
Molybdenum			1.5		473	500.0	1.025	94.5	461.8	2.48	05/13/2024
Nickel			1.0		489	500.0	1.787	97.4	472.0	3.48	05/13/2024
Selenium			1.0		540	500.0	0	108.0	515.9	4.58	05/13/2024
Silver			1.0		48.4	50.00	0	96.9	46.07	4.99	05/13/2024
Thallium			2.0		236	250.0	0	94.5	238.5	0.96	05/10/2024
Vanadium			5.0		509	500.0	0	101.8	499.7	1.83	05/13/2024
Zinc			15.0		480	500.0	0	96.0	464.8	3.24	05/13/2024

Batch 222639		SampType: MS		Units µg/L							
SampID: 24050465-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		694	500.0	157.0	107.5	75	125	05/13/2024	
Calcium		125	S	66100	2500	57460	344.3	75	125	05/13/2024	

Batch 222639		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24050465-001BMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Beryllium			1.0		54.2	50.00	0	108.3	53.49	1.24	05/13/2024
Calcium			125	S	68600	2500	57460	445.0	66070	3.74	05/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222656	SampType:	MBLK	Units µg/L							
SampleID:		MBLK-222656									Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Aluminum			25.0		< 25.0	12.50	0	0	-100	100	05/14/2024
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	05/16/2024
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	05/14/2024
Barium			1.0		< 1.0	0.7000	0	0	-100	100	05/14/2024
Beryllium			1.0		< 1.0	0.2500	0	0	-100	100	05/14/2024
Boron			25.0		< 25.0	9.250	0	0	-100	100	05/14/2024
Cadmium			1.0		< 1.0	0.1340	0	0	-100	100	05/14/2024
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	05/14/2024
Cobalt			1.0		< 1.0	0.1150	0	0	-100	100	05/14/2024
Copper			1.0		< 1.0	0.2980	0	0	-100	100	05/14/2024
Iron			25.0		< 25.0	11.50	0	0	-100	100	05/14/2024
Lead			1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Lithium		*	3.0		< 3.0	1.450	0	0	-100	100	05/14/2024
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	05/14/2024
Molybdenum			1.5		< 1.5	0.6000	0	0	-100	100	05/14/2024
Nickel			1.0		< 1.0	0.4300	0	0	-100	100	05/14/2024
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	05/14/2024
Silver			1.0		< 1.0	0.1110	0	0	-100	100	05/14/2024
Thallium			2.0		< 2.0	0.9500	0	0	-100	100	05/14/2024
Vanadium			5.0		< 5.0	5.000	0	0	-100	100	05/14/2024
Zinc			15.0		< 15.0	5.900	0	0	-100	100	05/14/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222656	SampType:	LCS	Units µg/L						
SampleID:		LCS-222656								
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1970	2000	0	98.6	80	120	05/14/2024
Antimony		1.0	S	622	500.0	0	124.4	80	120	05/16/2024
Arsenic		1.0		546	500.0	0	109.2	80	120	05/14/2024
Barium		1.0		2230	2000	0	111.5	80	120	05/14/2024
Beryllium		1.0		51.7	50.00	0	103.5	80	120	05/14/2024
Boron		25.0		497	500.0	0	99.4	80	120	05/14/2024
Cadmium		1.0		57.7	50.00	0	115.3	80	120	05/14/2024
Chromium		1.5		220	200.0	0	110.0	80	120	05/14/2024
Cobalt		1.0		573	500.0	0	114.7	80	120	05/14/2024
Copper		1.0		279	250.0	0	111.7	80	120	05/14/2024
Iron		25.0		2190	2000	0	109.4	80	120	05/14/2024
Lead		1.0		562	500.0	0	112.3	80	120	05/14/2024
Lithium	*	3.0		561	500.0	0	112.2	80	120	05/14/2024
Manganese		2.0		597	500.0	0	119.4	80	120	05/14/2024
Molybdenum		1.5		523	500.0	0	104.7	80	120	05/14/2024
Nickel		1.0		535	500.0	0	107.0	80	120	05/14/2024
Selenium		1.0		552	500.0	0	110.5	80	120	05/14/2024
Silver		1.0		53.8	50.00	0	107.6	80	120	05/14/2024
Thallium		2.0		267	250.0	0	106.9	80	120	05/14/2024
Vanadium		5.0		556	500.0	0	111.3	80	120	05/14/2024
Zinc		15.0		551	500.0	0	110.3	80	120	05/14/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222728 SampType: MBLK Units µg/L

SampleID: MBLK-222728

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	05/13/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	05/13/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	05/13/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	05/13/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	05/13/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	05/13/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	05/13/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	05/13/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	05/13/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	05/13/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	05/13/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	05/13/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	05/13/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	05/13/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	05/13/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	05/13/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	05/13/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	05/13/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	05/13/2024
Tin	*	5.0		< 5.0	0.5000	0	0	-100	100	05/16/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	05/13/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	05/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch	222728	SampType:	LCS	Units µg/L							
SampID:		LCS-222728									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		1800	2000	0	90.2	80	120	05/13/2024
Antimony			1.0		582	500.0	0	116.4	80	120	05/13/2024
Arsenic			1.0		497	500.0	0	99.3	80	120	05/13/2024
Barium			1.0		2270	2000	0	113.3	80	120	05/13/2024
Beryllium			1.0		45.9	50.00	0	91.8	80	120	05/13/2024
Boron			25.0		464	500.0	0	92.8	80	120	05/13/2024
Cadmium			1.0		53.0	50.00	0	105.9	80	120	05/13/2024
Chromium			1.5		202	200.0	0	100.8	80	120	05/13/2024
Cobalt			1.0		528	500.0	0	105.6	80	120	05/13/2024
Copper			1.0		260	250.0	0	103.9	80	120	05/13/2024
Iron			25.0		2020	2000	0	101.2	80	120	05/13/2024
Lead			1.0		520	500.0	0	104.0	80	120	05/13/2024
Lithium	*		3.0		557	500.0	0	111.4	80	120	05/13/2024
Manganese			2.0		541	500.0	0	108.2	80	120	05/13/2024
Molybdenum			1.5		481	500.0	0	96.2	80	120	05/13/2024
Nickel			1.0		556	500.0	0	111.2	80	120	05/13/2024
Selenium			1.0		497	500.0	0	99.4	80	120	05/13/2024
Silver			1.0		50.2	50.00	0	100.5	80	120	05/13/2024
Thallium			2.0		246	250.0	0	98.4	80	120	05/13/2024
Tin	*		5.0		431	500.0	0	86.3	80	120	05/16/2024
Vanadium			5.0		517	500.0	0	103.5	80	120	05/13/2024
Zinc			15.0		492	500.0	0	98.4	80	120	05/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 222728		SampType: MS		Units µg/L							
SampID: 24041541-002BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	S	627	500.0	0.8515	125.2	75	125	05/14/2024	
Arsenic		1.0		534	500.0	0.7045	106.7	75	125	05/14/2024	
Barium		1.0		2450	2000	47.32	120.0	75	125	05/14/2024	
Beryllium		1.0		47.6	50.00	0	95.1	75	125	05/14/2024	
Boron		25.0		1310	500.0	823.1	97.0	75	125	05/14/2024	
Cadmium		1.0		56.0	50.00	0	112.1	75	125	05/14/2024	
Chromium		1.5		211	200.0	2.382	104.3	75	125	05/14/2024	
Cobalt		1.0		538	500.0	0.2411	107.5	75	125	05/14/2024	
Lead		1.0		556	500.0	0	111.2	75	125	05/14/2024	
Lithium	*	3.0		622	500.0	7.800	122.8	75	125	05/14/2024	
Molybdenum		1.5		422	500.0	6.923	83.1	75	125	05/16/2024	
Selenium		1.0		530	500.0	0	105.9	75	125	05/14/2024	
Thallium		2.0		266	250.0	0	106.4	75	125	05/14/2024	

Batch 222728		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24041541-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		598	500.0	0.8515	119.5	626.9	4.66	05/14/2024
Arsenic		1.0		536	500.0	0.7045	107.0	534.1	0.31	05/14/2024
Barium		1.0		2360	2000	47.32	115.6	2447	3.67	05/14/2024
Beryllium		1.0		48.0	50.00	0	96.1	47.56	1.00	05/14/2024
Boron		25.0		1310	500.0	823.1	97.2	1308	0.09	05/14/2024
Cadmium		1.0		53.8	50.00	0	107.6	56.05	4.08	05/14/2024
Chromium		1.5		208	200.0	2.382	102.7	211.0	1.58	05/14/2024
Cobalt		1.0		539	500.0	0.2411	107.7	537.6	0.24	05/14/2024
Lead		1.0		547	500.0	0	109.5	556.1	1.58	05/14/2024
Lithium	*	3.0		592	500.0	7.800	116.8	621.6	4.92	05/14/2024
Molybdenum		1.5		445	500.0	6.923	87.7	422.3	5.28	05/16/2024
Selenium		1.0		533	500.0	0	106.6	529.5	0.66	05/14/2024
Thallium		2.0		264	250.0	0	105.7	266.0	0.72	05/14/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 223763		SampType: MBLK		Units µg/L							
SampID: MBLK-223763											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	06/06/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	06/06/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	06/06/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	06/06/2024	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	06/06/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	06/06/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	06/06/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	06/06/2024	

Batch 223763		SampType: LCS		Units µg/L						
SampID: LCS-223763										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		525	500.0	0	105.0	80	120	06/06/2024
Boron		25.0		454	500.0	0	90.9	80	120	06/06/2024
Chromium		1.5		191	200.0	0	95.7	80	120	06/06/2024
Cobalt		1.0		468	500.0	0	93.5	80	120	06/06/2024
Copper		1.0		234	250.0	0	93.6	80	120	06/06/2024
Iron		25.0		1910	2000	0	95.7	80	120	06/06/2024
Lead		1.0		475	500.0	0	95.0	80	120	06/06/2024
Nickel		1.0		461	500.0	0	92.1	80	120	06/06/2024

Batch 223769		SampType: MBLK		Units µg/L							
SampID: MBLK-223769											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	06/04/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	06/04/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	06/04/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	06/05/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	06/04/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	06/04/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	06/04/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	06/05/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	06/04/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	06/04/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	06/04/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

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

Batch 223769		SampType: LCS		Units µg/L							
SampID: LCS-223769											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2010	2000	0	100.6	80	120	06/04/2024	
Arsenic		1.0		480	500.0	0	96.0	80	120	06/04/2024	
Barium		1.0		1900	2000	0	95.1	80	120	06/04/2024	
Boron		25.0		473	500.0	0	94.6	80	120	06/05/2024	
Cadmium		1.0		47.7	50.00	0	95.3	80	120	06/04/2024	
Cobalt		1.0		462	500.0	0	92.4	80	120	06/04/2024	
Lead		1.0		468	500.0	0	93.6	80	120	06/04/2024	
Lithium	*	3.0		495	500.0	0	99.0	80	120	06/05/2024	
Molybdenum		1.5		430	500.0	0	86.0	80	120	06/04/2024	
Selenium		1.0		482	500.0	0	96.4	80	120	06/04/2024	
Thallium		2.0		201	250.0	0	80.5	80	120	06/05/2024	

SW-846 7470A (DISSOLVED)

Batch 222472		SampType: MS		Units µg/L							
SampID: 24041541-024CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.24	5.000	0.08220	103.1	75	125	05/06/2024	

Batch 222472		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed
SampID: 24041541-024CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.20		5.24	5.000	0.08220	103.2	5.239	0.02	05/06/2024	

Batch 222472		SampType: MS		Units µg/L							
SampID: 24041541-032DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.37	5.000	0	107.4	75	125	05/06/2024	

Batch 222472		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed
SampID: 24041541-032DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.20		5.10	5.000	0	101.9	5.371	5.25	05/06/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (DISSOLVED)

Batch 222481		SampType: MS		Units µg/L							
SampID: 24041541-037DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.39	5.000	0	87.8	75	125	05/06/2024	

Batch 222481		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed
SampID: 24041541-037DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.20		4.28	5.000	0	85.6	4.389	2.55	05/06/2024	

Batch 222504		SampType: MS		Units µg/L							
SampID: 24041541-084HMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		3.92	5.000	0	78.4	75	125	05/21/2024	

Batch 222504		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed
SampID: 24041541-084HMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.20	SR	3.16	5.000	0	63.3	3.918	21.29	05/21/2024	

Batch 222504		SampType: MS		Units µg/L							
SampID: 24050007-005GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.16	5.000	0.1046	81.2	75	125	05/07/2024	

Batch 222504		SampType: MSD		Units µg/L					RPD Limit 15		
SampID: 24050007-005GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.05	5.000	0.1046	79.0	4.162	2.68	05/07/2024

Batch 222670		SampType: MBLK		Units µg/L							
SampID: MBLK-222670											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/10/2024	

Batch 222670		SampType: LCS		Units µg/L							
SampID: LCS-222670											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		5.44	5.000	0	108.8	85	115	05/10/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (DISSOLVED)

Batch 222670		SampType: MS		Units µg/L							
SampID: 24041541-018GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.05	5.000	0	101.0	75	125	05/14/2024	

Batch 222670		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-018GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.15	5.000	0	103.1	5.050	2.05	05/14/2024

Batch 223077		SampType: MS		Units µg/L								
SampID: 24041541-095IMS												Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.20		4.44	5.000	0	88.8	75	125		05/21/2024	

Batch 223077		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-095IMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.47	5.000	0	89.3	4.440	0.60	05/21/2024

Batch 223077		SampType: MS		Units µg/L							
SampID: 24050001-004EMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.66	5.000	0	93.3	75	125	05/22/2024	

Batch 223077		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24050001-004EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.43	5.000	0	88.7	4.664	5.09	05/22/2024

SW-846 7470A (TOTAL)

Batch 222438		SampType: MBLK		Units µg/L							
SampID: MBLK-222438											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/06/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222438		SampType: LCS		Units µg/L							
SampID: LCS-222438											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.20		5.51	5.000	0	110.3	85	115	05/06/2024	

Batch 222438		SampType: MS		Units µg/L							
SampID: 24041541-006GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.27	5.000	0.3041	79.4	75	125	05/03/2024	

Batch 222438		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-006GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.46	5.000	0.3041	83.1	4.272	4.24	05/03/2024

Batch 222472		SampType: MBLK		Units µg/L							
SampID: MBLK-222472											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/08/2024	

Batch 222472		SampType: LCS		Units µg/L							
SampID: LCS-222472											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.50	5.000	0	110.0	85	115	05/08/2024	

Batch 222481		SampType: MBLK		Units µg/L							
SampID: MBLK-222481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/14/2024	

Batch 222481		SampType: LCS		Units µg/L							
SampID: LCS-222481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	5.86	5.000	0	117.2	85	115	05/14/2024	

Batch 222482		SampType: MBLK		Units µg/L							
SampID: MBLK-222482											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		< 0.20	0.0550	0	0	-100	100	05/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222482		SampType: LCS		Units µg/L							
SampID: LCS-222482											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.38	5.000	0	107.7	85	115	05/08/2024	

Batch 222482		SampType: MS		Units µg/L							
SampID: 24041541-048BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.05	5.000	0.5139	90.8	75	125	05/06/2024	

Batch 222482		SampType: MSD		Units µg/L				RPD Limit 15				
SampID: 24041541-048BMSD												Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury			0.20		5.11	5.000	0.5139	91.9	5.053	1.07	05/06/2024	

Batch 222482		SampType: MS		Units µg/L							
SampID: 24041541-066BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.36	5.000	0.3407	100.4	75	125	05/14/2024	

Batch 222482		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-066BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.70	5.000	0.3407	107.2	5.358	6.19	05/14/2024

Batch 222504		SampType: MBLK		Units µg/L							
SampID: MBLK-222504											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/08/2024	

Batch 222504		SampType: LCS		Units µg/L							
SampID: LCS-222504											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury			0.20	S	6.31	5.000	0	126.2	85	115	05/08/2024
Mercury			0.20		4.62	5.000	0	92.4	85	115	05/15/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222725		SampType: MBLK		Units µg/L							
SampID: MBLK-222725											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/10/2024	

Batch 222725		SampType: LCS		Units µg/L							
SampID: LCS-222725											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.73	5.000	0	94.6	85	115	05/10/2024	

Batch 222725		SampType: MS		Units µg/L							
SampID: 24041541-036CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.25	5.000	0	84.9	75	125	05/17/2024	

Batch 222725		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-036CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.28	5.000	0	85.6	4.246	0.77	05/17/2024

Batch 222921		SampType: MBLK		Units µg/L							
SampID: MBLK-222921											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/18/2024	

Batch 222921		SampType: LCS		Units µg/L							
SampID: LCS-222921											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.41	5.000	0	88.1	85	115	05/18/2024	

Batch 222921		SampType: MS		Units µg/L							
SampID: 24041541-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.41	5.000	0	88.2	75	125	05/18/2024	

Batch 222921		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.56	5.000	0	91.2	4.409	3.38	05/18/2024



Quality Control Results

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Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 222921		SampType: MS		Units µg/L							
SampID: 24041541-086CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.53	5.000	0	90.5	75	125	05/18/2024	

Batch 222921		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-086CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.49	5.000	0	89.8	4.525	0.78	05/18/2024

Batch 222984		SampType: MBLK		Units µg/L							
SampID: MBLK-222984											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/19/2024	

Batch 222984		SampType: LCS		Units µg/L							
SampID: LCS-222984											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.59	5.000	0	91.8	85	115	05/19/2024	

Batch 223054		SampType: MBLK		Units µg/L							
SampID: MBLK-223054											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/17/2024	

Batch 223054		SampType: LCS		Units µg/L							
SampID: LCS-223054											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.26	5.000	0	105.3	85	115	05/17/2024	

Batch 223054		SampType: MS		Units µg/L							
SampID: 24041541-099BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.88	5.000	0	97.6	75	125	05/17/2024	

Batch 223054		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-099BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.77	5.000	0	95.5	4.880	2.21	05/17/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

SW-846 7470A (TOTAL)

Batch 223077		SampType: MBLK		Units µg/L							
SampID: MBLK-223077											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/21/2024	

Batch 223077		SampType: LCS		Units µg/L							
SampID: LCS-223077											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.50	5.000	0	90.1	85	115	05/21/2024	

Batch 223153		SampType: MBLK		Units µg/L							
SampID: MBLK-223153											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	05/20/2024	

Batch 223153		SampType: LCS		Units µg/L							
SampID: LCS-223153											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.65	5.000	0	93.0	85	115	05/20/2024	

Batch 223153		SampType: MS		Units µg/L							
SampID: 24041541-067BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		3.99	5.000	0	79.8	75	125	05/20/2024	

Batch 223153		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24041541-067BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		3.94	5.000	0	78.8	3.991	1.34	05/20/2024

Batch 223672		SampType: MBLK		Units µg/L							
SampID: MBLK-223672											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	06/03/2024	

Batch 223672		SampType: LCS		Units µg/L							
SampID: LCS-223672											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.96	5.000	0	99.2	85	115	06/03/2024	



Receiving Check List

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

Carrier: Payton Yoch

Received By: NR

Completed by:

On:

29-Apr-24

Nick Reed

Reviewed by:

On:

09-May-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.7
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

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

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

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

pH strip #96651/89660. - pschultz - 4/30/2024 7:51:31 AM

Per Tracy Carroll, some G411 containers may be marked as G410, and some G410 containers may be marked as G411 (bagging error during bottle prep). - ehurley - 4/30/2024 9:29:57 AM

Samples were received on 4/30/24 at 16:30 on ice [19.3C - LTG#5]. - nickreed - 4/30/2024 5:47:16 PM

Added Sodium Hydroxide(95613) to sample G153. Added Nitric Acid(97528) to sample G314, G314D, & G316. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. -pH strip #89960/96651. - nickreed - 4/30/2024 5:53:34 PM

Samples were received on 5/1/2024 at 16:31 on ice [12.1C - LTG#5]. - pschultz - 5/2/2024 8:39:06 AM

pH strip #96651/89660. - pschultz - 5/2/2024 8:39:45 AM

Additional Sodium Hydroxide (95443) preservative was needed for samples G122 and G272 upon arrival at the laboratory. - pschultz - 5/2/2024 8:39:49 AM

Samples were received on 5/2/24 at 16:15 on ice [16.1C - LTG#5]. Added Nitric Acid(97606) to sample G106 & G275D. Added Sodium Hydroxide(95443) to sample G401. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. pH strip #96651/89660. - nickreed - 5/2/2024 6:50:49 PM

Samples were received on 5/3/24 at 1148 on ice [16.3C - LTG5]. pH strip #89660/96651. Preservation checks for O&G analysis are to be



Receiving Check List

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

Client: Ramboll

Work Order: 24041541

Client Project: COF-24Q2

Report Date: 17-Jun-24

completed by the laboratory technician prior to analysis. - amberdilallo - 5/3/2024 12:46:21 PM

Samples were received on 5/6/24 at 1642 on ice [12.9C - LTG5]. Additional Nitric Acid (97606) was needed upon arrival at the laboratory for G285 and G302. pH strip #89660/96651. - amberdilallo - 5/7/2024 8:24:08 AM

Samples were received on 5/7/2024 at 16:02 on ice [16.7C - LTG#7]. - pschultz - 5/7/2024 5:07:35 PM

pH strip #96651/89660. LH - pschultz - 5/7/2024 5:07:38 PM

Additional Nitric Acid (97606) preservative was needed for samples G1001 and G276 upon arrival at the laboratory. LH - pschultz - 5/7/2024 5:07:41 PM

Samples were received on 5/8/24 at 1348 on ice [6.9C - LTG5]. Additional Nitric Acid (97737) was needed upon arrival at the laboratory for L203 and Field Blank. pH strip #89660/96651. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - amberdilallo - 5/8/2024 4:27:38 PM

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Page: 5 of 7

ITEM #	Section D Required Client Information	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX DRINKING WATER DW WATER WW WASTE P PRODUCT OL SOIL/SOLID WP OL AR OT TS AIR 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								Analysis Test† Y/N	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
												Unpreserved	H₂SO₄	HNO₃	HCl	NaOH	Na₂S₂O₈	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																			24041541-065							
2	G310	WT G				2	1	1				X																			24041541-066							
3	G312	WT G				2	1	1				X																			24041541-067							
4	G313	WT G				2	1	1				X																			24041541-068							
5	G314	WT G				2	1	1				X																			24041541-069							
6	G314D	WT G				2	1	1				X																			24041541-070							
7	G315	WT G				2	1	1				X																			24041541-071							
8	G316	WT G				2	1	1				X																			24041541-072							
9	G401	WT G				4	1	2	1			X							X						X						24041541-073							
10	G402	WT G				4	1	2	1			X							X					X							24041541-074							
11	G403	WT G				4	1	2	1			X							X					X							24041541-075							
12	G404	WT G				4	1	2	1			X							X					X							24041541-076							
13	G405	WT G				4	1	2	1			X							X					X							24041541-077							
14	G406	WT G				4	1	2	1			X							X					X							24041541-078							
15	G407	WT G				4	1	2	1			X							X					X							24041541-079							
16	G410	WT G				4	1	2	1															X							24041541-080							
ADDITIONAL COMMENTS		REQUIRED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																								
COF-24Q2 Rev 0		<i>[Signature]</i>		4/29/24		CSOO		<i>Nick Row</i>		4/29/24		1700		N ⊕ Z																								

PKJ 96651/896640

Temp in °C

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||
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LTG #3

2404154103

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-Coffeeen		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			
Coffeeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell - Michael.Bell@vistracorp.com Purchase Order No.:		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Project Name:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Number: 2285		Project Manager:		STATE: IL	
Requested Due Date/FAT: 10 day				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT SOLID OL WPE AIR OTHER TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↑	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000				
1	AP2D		WT	G				2	1		1																							24041541-001	
2	G1001		WT	G				2	1		1									X														24041541-002	
3	G1003		WT	G				4	1		3									X											X			24041541-003	
4	G101		WT	G				14	6	3	1	3	1										X											24041541-004	
5	G102		WT	G				15	6	3	2	3	1										X								X			24041541-005	
6	G103		WT	G				15	6	3	2	3	1										X								X			24041541-006	
7	G105		WT	G				15	6	3	2	3	1										X								X			24041541-007	
8	G106		WT	G				15	6	3	2	3	1										X								X			24041541-008	
9	G107		WT	G				14	6	3	1	3	1										X											24041541-009	
10	G108		WT	G				14	6	3	1	3	1										X											24041541-010	
11	G109		WT	G				14	6	3	1	3	1										X											24041541-011	
12	G110		WT	G	4-30-24	1448		14	6	3	1	3	1										X											24041541-012	
13	G111		WT	G	4-30-24	1411		14	6	3	1	3	1										X											24041541-013	
14	G119		WT	G				14	6	3	1	3	1										X											24041541-014	
15	G120		WT	G				14	6	3	1	3	1										X											24041541-015	
16	G121		WT	G				14	6	3	1	3	1										X											24041541-016	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																						
COF-24Q2 Rev 1			Daniel Group			4-30	16:30	Nick Reed			4/30/24	1630	m ② z																						

ØHS 89860/96651
G153: Added NaOH(95613)
G314, G314D, & G316: Added HNO₃(97528)

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:		Justin Cole	
SIGNATURE of SAMPLER:		[Signature]	
DATE Signed (MM/DD/YY):		4-30-24	

LTG #15

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ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.			
		MATRIX	CODE			DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104			COF-WPCP-106	COF-SUP-000	
		DRINKING WATER	DW																																WATER
1	G122	WT	G						14	6	3	1	3	1				X																	24041541-017
2	G123	WT	G						14	6	3	1	3	1				X																24041541-018	
3	G124	WT	G						14	6	3	1	3	1				X																24041541-019	
4	G125	WT	G						14	6	3	1	3	1				X																24041541-020	
5	G126	WT	G						14	6	3	1	3	1				X																24041541-021	
6	G151	WT	G	4-30-24		1011			4	2		1		1																		X		24041541-022	
7	G152	WT	G	4-30-24					4	2		1		1																		X		24041541-023	
8	G153	WT	G	4-30-24		1238			4	2		1		1																		X		24041541-024	
9	G154	WT	G	4-30-24		1201			5	2		2		1																		X		24041541-025	
10	G155	WT	G	4-30-24		1121			4	2		1		1																		X		24041541-026	
11	G200	WT	G						6	2	1	2		1																		X		24041541-027	
12	G206	WT	G	4-30-24		1028			6	2	1	2		1							X											X		24041541-028	
13	G206D	WT	G	4-30-24		1058			2	1		1									X											X		24041541-029	
14	G207	WT	G						6	2	1	2		1																		X		24041541-030	
15	G208	WT	G	4-30-24		1128			6	2	1	2		1																		X		24041541-031	
16	G209	WT	G						6	2	1	2		1																		X		24041541-032	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																	
COF-24Q2 Rev 1		Daniel Crump				4-30		16:30		Nick Reed				4/30/24		1630		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: <i>Justin Calp</i>	DATE Signed (MM/DD/YY): 4-30-24				

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

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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 Colp					
SIGNATURE of SAMPLER: Justin Colp	DATE Signed (MM/DD/YY): 4-30-24				

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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								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)																		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
1	G307		WT	G				2	1	1							X																		24041541-063	
2	G307D		WT	G				2	1	1							X																		24041541-064	
3	G308		WT	G				2	1	1							X																		24041541-065	
4	G310		WT	G				2	1	1							X																		24041541-066	
5	G312		WT	G				2	1	1							X																		24041541-067	
6	G313		WT	G				2	1	1							X																		24041541-068	
7	G314		WT	G	4/30/24	1336		2	1	1							X																		24041541-069	
8	G314D		WT	G	4/30/24	1225		2	1	1							X																		24041541-070	
9	G315		WT	G				2	1	1							X																		24041541-071	
10	G316		WT	G	4/30/24	1122		2	1	1							X																		24041541-072	
11	G401		WT	G				4	1	2	1							X			X														24041541-073	
12	G402		WT	G				4	1	2	1						X			X															24041541-074	
13	G403		WT	G				4	1	2	1						X			X															24041541-075	
14	G404		WT	G				4	1	2	1						X			X															24041541-076	
15	G405		WT	G				4	1	2	1						X			X															24041541-077	
16	G406		WT	G				4	1	2	1						X			X															24041541-078	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q2 Rev 1			Zani/Crup			4-30		16:30		Nish Reed			4/30/24		1620		19 ② z																			

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

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2404154103

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	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com Scott Bell- Michael.Bell@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		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 DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL CL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
1	G407	WT	G				4	1	2	1																							24041541-079
2	G410	WT	G	4/30/24	1006		4	1	2	1																							24041541-080
3	G411	WT	G				4	1	2	1																							24041541-081
4	L203	WT	G				18	9	4	1	3	1																					24041541-082
5	NE Riser	WT	G				0																										24041541-083
6	R104	WT	G				15	6	3	2	3	1																					24041541-084
7	R201	WT	G				6	2	1	2		1																					24041541-085
8	R205	WT	G				6	2	1	2		1																					24041541-086
9	SG-02	WT	G				0																										24041541-087
10	SG-03	WT	G				0																										24041541-088
11	T127	WT	G				14	6	3	1	3	1																					24041541-089
12	T128	WT	G				14	6	3	1	3	1																					24041541-090
13	X201	WT	G				2	1		1																							24041541-091
14	XPW01	WT	G				2	1		1																							24041541-092
15	XPW02	WT	G				2	1		1																							24041541-093
16	XSG-01	WT	G				0																										24041541-094
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																				
COF-24Q2 Rev 1			Daniel Kemp			4-30	16:30	Justin Cole			4/30/24	1630	Temp in °C				Received on ice (Y/N)				Custody Sealed Cooler (Y/N)				Samples Intact (Y/N)								
													14																				

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): 4-30-24					

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Page: 1 of 7

Added NaOH(95443) to G122 + G272 11/16/2011	SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	PRINT Name of SAMPLER: Justin Colp					
	SIGNATURE of SAMPLER: <i>Justin Colp</i>	DATE Signed (MM/DD/YY): 5-1-74				

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/YY): 5-1-74				

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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 WFE WFP 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 Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)					
1	G122	WT G	S-1-24	1359		14	6	3	1	3	1					X																					24041541-017
2	G123	WT G				14	6	3	1	3	1					X																				24041541-018	
3	G124	WT G	S-1-24	1451		14	6	3	1	3	1					X																				24041541-019	
4	G125	WT G				14	6	3	1	3	1					X																				24041541-020	
5	G126	WT G				14	6	3	1	3	1					X																				24041541-021	
6	G151	WT G				4	2		1		1																							X		24041541-022	
7	G152	WT G				4	2		1		1																							X		24041541-023	
8	G153	WT G				4	2		1		1																							X		24041541-024	
9	G154	WT G				5	2		2		1											X											X		24041541-025		
10	G155	WT G				4	2		1		1																						X		24041541-026		
11	G200	WT G				6	2	1	2		1						X					X											X		24041541-027		
12	G206	WT G				6	2	1	2		1						X					X											X		24041541-028		
13	G206D	WT G				2	1		1								X					X											X		24041541-029		
14	G207	WT G				6	2	1	2		1																						X		24041541-030		
15	G208	WT G				6	2	1	2		1																						X		24041541-031		
16	G209	WT G	S-1-24	1155		6	2	1	2		1						X					X											X		24041541-032		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																							
COF-24Q2 Rev 1		[Signature] Group		5-1		1631		[Signature] [Signature]		5/1/24		1631		> z																							

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CHAIN-OF-CUSTODY / Analytical Request Document

24041541103

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Visira Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey			
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@visiracorp.com		Company Name: Visira Corp		REGULATORY AGENCY	
Coffeen, IL 62017		John Romang - John.Romang@visiracorp.com		Address: see Section A		NPDES GROUND WATER DRINKING WATER	
Email To: Brian.Voelker@VisiraCorp.com		Scott Reil- Michael.Reil@visiracorp.com				UST RCRA OTHER	
Phone: (217) 753-8911 Fax:		Project Name:		Quote Reference:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:		STATE: IL	
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	Valid Matrix Codes CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N Analysis Test	Requested Analysis Filtered (Y/N)														Project No./ Lab I.D.			
						DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			COF-SUP-000	Residual Chlorine (Y/N)
1	G210	WT	G	5-1-24	1128	6	2	1	2	1																								24041541-033	
2	G211	WT	G	5-1-24	1040	6	2	1	2	1																								24041541-034	
3	G212	WT	G	5-1-24	0952	6	2	1	2	1																								24041541-035	
4	G213	WT	G			6	2	1	2	1																								24041541-036	
5	G214	WT	G			6	2	1	2	1																								24041541-037	
6	G215	WT	G			6	2	1	2	1																								24041541-038	
7	G216	WT	G			6	2	1	2	1																								24041541-039	
8	G217	WT	G			6	2	1	2	1																								24041541-040	
9	G218	WT	G			6	2	1	2	1																								24041541-041	
10	G219	WT	G			2	1		1																								X	24041541-104	
11	G220	WT	G			2	1		1																								X	24041541-105	
12	G270	WT	G			6	2	1	2	1																								24041541-042	
13	G271	WT	G	5-1-24	1337	6	2	1	2	1																								24041541-043	
14	G272	WT	G	5-1-24	1310	6	2	1	2	1																								24041541-044	
15	G273	WT	G	5-1-24	1231	6	2	1	2	1																								24041541-045	
16	G274	WT	G	5-1-24	1421	6	2	1	2	1																								24041541-046	
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE				TIME				ACCEPTED BY / AFFILIATION				DATE				TIME				SAMPLE CONDITIONS							
COF-24Q2 Rev 1				Daniel Camp				5-1				1631				Omaha Omaha				5/1/24				11231				> z							

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Camp		5-1	1631	Omar Ouedraogo		5/1/24	11231	Y N			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Camp		DATE Signed (MM/DD/YY): 5-1-24	
SIGNATURE of SAMPLER: <i>[Signature]</i>			

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		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@visstracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@visstracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@visstracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																	Residual Chlorine (Y/N)	Project No. / Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Crump		5-1	1631	Gina. Qualls		5/1/24	1631				
SAMPLER NAME AND SIGNATURE										Temp in °C			
PRINT Name of SAMPLER: Justin Gulp										Received on ice (Y/N)			
SIGNATURE of SAMPLER: [Signature]										Custody Sealed Cooler (Y/N)			
DATE Signed (MM/DD/YY): 5-1-24										Samples Intact (Y/N)			

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Page: 5 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT ISSUE IS	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)																	
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	G307		WT	G				2	1	1							X																	24041541-063
2	G307D		WT	G				2	1	1							X																	24041541-064
3	G308		WT	G				2	1	1							X																	24041541-065
4	G310		WT	G				2	1	1							X																	24041541-066
5	G312		WT	G				2	1	1							X																	24041541-067
6	G313		WT	G	5/1/24	1213		2	1	1							X																	24041541-068
7	G314		WT	G				2	1	1							X																	24041541-069
8	G314D		WT	G				2	1	1							X																	24041541-070
9	G315		WT	G				2	1	1							X																	24041541-071
10	G316		WT	G				2	1	1							X																	24041541-072
11	G401		WT	G				4	1	2	1						X			X			X											24041541-073
12	G402		WT	G				4	1	2	1						X			X			X											24041541-074
13	G403		WT	G				4	1	2	1						X			X			X											24041541-075
14	G404		WT	G				4	1	2	1						X			X			X											24041541-076
15	G405		WT	G				4	1	2	1						X			X			X											24041541-077
16	G406		WT	G				4	1	2	1						X			X			X											24041541-078
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION							DATE		TIME		SAMPLE CONDITIONS														
COF-24Q2 Rev 1			Samuel Crump		5-1		1631		John Deane							5/1/24		1631		Y Z														

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: <i>Justin Cole</i>	DATE Signed (MM/DD/YY): 5-1-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Project Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																	Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
COF-24Q2 Rev 1		Daniel Coombs		5-1	1631	Gina O'Leary		5/1/24	1131	Y N	
SAMPLER NAME AND SIGNATURE										Temp in °C	
PRINT Name of SAMPLER: Justin Cole										Received on Ice (Y/N)	
SIGNATURE of SAMPLER: Justin Cole										Custody Sealed Cooler (Y/N)	
DATE Signed (MM/DD/YY): 5-1-24										Samples Intact (Y/N)	

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REGULATORY AGENCY		
NPDES	GROUND WATER	DRINKING WATER
UST	RCRA	OTHER
Site Location	IL	
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: [Signature] DATE Signed (MM/DD/YY): 5-7-24					

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Blanks: filter upon arrival at the lab for dissolved parameters.

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Page: 1 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL SL DL WFEC WF AIR AF OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)															
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D		WT	G				2	1	1								X											24041541-001				
2	G1001		WT	G				2	1	1								X										24041541-002					
3	G1003		WT	G				4	1	3								X							X			24041541-003					
4	G101		WT	G				14	6	3	1	3	1				X											24041541-004					
5	G102		WT	G				15	6	3	2	3	1				X						X					24041541-005					
6	G103		WT	G				15	6	3	2	3	1				X						X					24041541-006					
7	G105		WT	G				15	6	3	2	3	1				X						X					24041541-007					
8	G106		WT	G				15	6	3	2	3	1				X						X					24041541-008					
9	G107		WT	G	5-3-24	0920		14	6	3	1	3	1				X											24041541-009					
10	G108		WT	G				14	6	3	1	3	1				X											24041541-010					
11	G109		WT	G				14	6	3	1	3	1				X											24041541-011					
12	G110		WT	G				14	6	3	1	3	1				X											24041541-012					
13	G111		WT	G				14	6	3	1	3	1				X											24041541-013					
14	G119		WT	G				14	6	3	1	3	1				X											24041541-014					
15	G120		WT	G				14	6	3	1	3	1				X											24041541-015					
16	G121		WT	G				14	6	3	1	3	1				X											24041541-016					
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE			TIME			SAMPLE CONDITIONS																
COF-24Q2 Rev 1			[Signature]			5-3	1148	[Signature]			5/3/24			1148			5/6 [Signature] z																

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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 OL WPE WP AR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)			
1	G122	WT	G				14	6	3	1	3	1				X																			24041541-017
2	G123	WT	G				14	6	3	1	3	1				X																			24041541-018
3	G124	WT	G				14	6	3	1	3	1				X																			24041541-019
4	G125	WT	G				14	6	3	1	3	1				X																			24041541-020
5	G126	WT	G	5-3-24	0953		14	6	3	1	3	1				X																			24041541-021
6	G151	WT	G				4	2		1		1																				X			24041541-022
7	G152	WT	G				4	2		1		1																				X			24041541-023
8	G153	WT	G				4	2		1		1																				X			24041541-024
9	G154	WT	G				5	2		2		1																				X			24041541-025
10	G155	WT	G				4	2		1		1																				X			24041541-026
11	G200	WT	G				6	2	1	2		1																				X			24041541-027
12	G206	WT	G				6	2	1	2		1																				X			24041541-028
13	G206D	WT	G				2	1		1																						X			24041541-029
14	G207	WT	G				6	2	1	2		1																				X			24041541-030
15	G208	WT	G				6	2	1	2		1																				X			24041541-031
16	G209	WT	G				6	2	1	2		1																				X			24041541-032
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE				TIME				ACCEPTED BY / AFFILIATION				DATE				TIME				SAMPLE CONDITIONS							
COF-24Q2 Rev 1				[Signature]				5-3				1148				Paul [Signature]				5/3/24				1148				> z							

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

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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											H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101		COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		<i>[Signature]</i>		5/13	1148	<i>[Signature]</i>		5/13/24	1148				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:													
SIGNATURE of SAMPLER:													
										DATE Signed (MM/DD/YY):			

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.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7																
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		<table border="1"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td>Site Location</td> <td>IL</td> <td></td> </tr> <tr> <td>STATE:</td> <td></td> <td></td> </tr> </table>		REGULATORY AGENCY			NPDES	GROUND WATER	DRINKING WATER	UST	RCRA	OTHER	Site Location	IL		STATE:		
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 Scott Bell: Michael.Bell@vistracorp.com		Address: see Section A																		
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:																		
Phone: (217) 753-8911		Project Name:		Project Manager:																		
Fax:		Project Number: 2285		Profile #:																		
Requested Due Date/TAT: 10 day																						

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DWI WATER WT WASTE WATER WWV PRODUCT P SOL/SOLID SL OIL OL WFPE WF AIR AR OTHER OT TSS TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=CMP)	COLLECTED DATE TIME		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other								Y/N ↓ Analysis Test ↑	Requested Analysis Filtered (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	COF-SUP-000	Residual Chlorine (Y/N)					
1	G275	WT	G					6	2	1	2			X																				24041541-047				
2	G275D	WT	G					2	1		1																								24041541-048			
3	G276	WT	G					6	2	1	2		1		X																			24041541-049				
4	G277	WT	G					6	2	1	2		1																					24041541-050				
5	G278	WT	G					6	2	1	2		1																					24041541-051				
6	G279	WT	G					6	2	1	2		1																					24041541-052				
7	G280	WT	G					6	2	1	2		1																					24041541-053				
8	G281	WT	G					4	1		2		1		X	X																		24041541-054				
9	G283	WT	G					2	1		1																								24041541-055			
10	G284	WT	G					2	1		1																								24041541-056			
11	G285	WT	G					2	1		1																								24041541-057			
12	G301	WT	G					2	1		1				X																				24041541-058			
13	G302	WT	G					2	1		1				X																				24041541-059			
14	G303	WT	G					2	1		1				X																				24041541-060			
15	G305	WT	G					2	1		1				X																				24041541-061			
16	G306	WT	G					2	1		1				X																				24041541-062			

ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS

COF-24Q2 Rev 1 [Signature] 5-3 1148 [Signature] 5/3/24 1148 > z

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Culp					
SIGNATURE of SAMPLER: <i>Justin Culp</i>	DATE Signed (MM/DD/YY): 5-3-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GME 24Q2 SUPPLY AND
24041541
COF-845-103Section A
Required Client Information:

Company:	Vistra Corp-Coffeen
Address:	134 CIPS Lane
	Coffeen, IL 62017
Email To:	Brian.Voelker@VistraCorp.com
Phone:	(217) 753-8911
Fax:	
Requested Due Date/TAT:	10 day

Section B
Required Project Information:

Report To:	Brian Voelker
Copy To:	Sam Davies-samantha.davies@vistracorp.com
	John Romang - John.Romang@vistracorp.com
	Scott Bell-Michael.Bell@vistracorp.com
Purchase Order No.:	
Project Name:	
Project Number:	2285

Section C
Invoice Information:

Attention:	Jason Stuckey
Company Name:	Vistra Corp
Address:	see Section A
Quote Reference:	
Project Manager:	
Profile #:	

Page: 5 of 7

Section D Required Client Information		Valid Matrix Codes 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 CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	G307	WT	G				2	1	1							X							X									24041541-063
2	G307D	WT	G				2	1	1							X							X									24041541-064
3	G308	WT	G				2	1	1							X							X									24041541-065
4	G310	WT	G	5/3/24	955		2	1	1							X							X									24041541-066
5	G312	WT	G				2	1	1							X							X									24041541-067
6	G313	WT	G				2	1	1							X							X									24041541-068
7	G314	WT	G				2	1	1							X							X									24041541-069
8	G314D	WT	G				2	1	1							X							X									24041541-070
9	G315	WT	G				2	1	1							X							X									24041541-071
10	G316	WT	G				2	1	1							X							X									24041541-072
11	G401	WT	G				4	1	2		1						X							X			X					24041541-073
12	G402	WT	G				4	1	2		1						X							X			X					24041541-074
13	G403	WT	G				4	1	2		1						X							X			X					24041541-075
14	G404	WT	G				4	1	2		1						X							X			X					24041541-076
15	G405	WT	G				4	1	2		1						X							X			X					24041541-077
16	G406	WT	G				4	1	2		1						X							X			X					24041541-078
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																		
COF-24Q2 Rev 1				Wp 2		5/3	1148	Paul J. Jolly				5/3/24	1148	Y N																		

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

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell: Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE W/P AIR AR OTHER OT TSS TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	G407		WT	G				4	1	2	1																							24041541-079
2	G410		WT	G				4	1	2	1																							24041541-080
3	G411		WT	G				4	1	2	1																							24041541-081
4	L203		WT	G				18	9	4	1	3	1																					24041541-082
5	NE Riser		WT	G				0																										24041541-083
6	R104		WT	G				15	6	3	2	3	1																					24041541-084
7	R201		WT	G				6	2	1	2	1																						24041541-085
8	R205		WT	G				6	2	1	2	1																						24041541-086
9	SG-02		WT	G				0																										24041541-087
10	SG-03		WT	G				0																										24041541-088
11	T127		WT	G				14	6	3	1	3	1																					24041541-089
12	T128		WT	G				14	6	3	1	3	1																					24041541-090
13	X201		WT	G				2	1	1																								24041541-091
14	XPW01		WT	G				2	1	1																								24041541-092
15	XPW02		WT	G				2	1	1																								24041541-093
16	XSG-01		WT	G				0																										24041541-094
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q2 Rev 1			[Signature]			5/3	1148	[Signature]			5/3/24	1148																						

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

CHAIN-OF-CUSTODY / Analytical Request Document

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24041541

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

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AIR AP OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)															Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	Field Blank		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095	
2	G102 Duplicate		WT	G				15	6	3	2	3	1				X											X	X	X		24041541-096	
3	G200 Duplicate		WT	G				6	2	1	2		1							X							X					24041541-097	
4	G273 Duplicate		WT	G				6	2	1	2		1								X						X					24041541-098	
5	G301 Duplicate		WT	G				2	1		1							X														24041541-099	
6	R201 Duplicate		WT	G				6	2	1	2		1													X						24041541-100	
7	Equipment Blank 1		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-101	
8	Equipment Blank 2		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-102	
9	Equipment Blank 3		WT	G				21	10	5	2	3	1					X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-103	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
COF-24Q2 Rev 1	<i>[Signature]</i>	5/3	1148	<i>[Signature]</i>	5/3/24	1148					

Blanks: filter upon arrival at the lab for dissolved parameters.

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

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL CL WPE AR OTHER TSS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104		COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	AP2D		WT	G			2	1	1																									24041541-001
2	G1001		WT	G	5-6-24	dry	2	1	1																								24041541-002	
3	G1003		WT	G			4	1	3																								24041541-003	
4	G101		WT	G			14	6	3	1	3	1																					24041541-004	
5	G102		WT	G			15	6	3	2	3	1																					24041541-005	
6	G103		WT	G			15	6	3	2	3	1																					24041541-006	
7	G105		WT	G			15	6	3	2	3	1																					24041541-007	
8	G106		WT	G			15	6	3	2	3	1																					24041541-008	
9	G107		WT	G			14	6	3	1	3	1																					24041541-009	
10	G108		WT	G			14	6	3	1	3	1																					24041541-010	
11	G109		WT	G			14	6	3	1	3	1																					24041541-011	
12	G110		WT	G			14	6	3	1	3	1																					24041541-012	
13	G111		WT	G			14	6	3	1	3	1																					24041541-013	
14	G119		WT	G			14	6	3	1	3	1																					24041541-014	
15	G120		WT	G			14	6	3	1	3	1																					24041541-015	
16	G121		WT	G			14	6	3	1	3	1																					24041541-016	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Camp		5/6	1642	Brett Gillman		5/6/24	1642	12.9	⊙	z	
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Brett Gillman SIGNATURE of SAMPLER: Brett Gillman DATE Signed (MM/DD/YY): 5-6-24													

PH 8.9102/9.6651.
Added HNO₃ (97606) to G285 + G302
PS 5/7
Per Brett Gillman, G1003 is dry not G1001. um 5/8/24

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **2** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.									
ITEM #	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	G122	WT	G				14	6	3	1	3	1																					24041541-017
2	G123	WT	G				14	6	3	1	3	1																					24041541-018
3	G124	WT	G				14	6	3	1	3	1																					24041541-019
4	G125	WT	G				14	6	3	1	3	1																					24041541-020
5	G126	WT	G				14	6	3	1	3	1																					24041541-021
6	G151	WT	G				4	2		1		1																		X			24041541-022
7	G152	WT	G				4	2		1		1																		X			24041541-023
8	G153	WT	G				4	2		1		1																		X			24041541-024
9	G154	WT	G				5	2		2		1															X		X				24041541-025
10	G155	WT	G				4	2		1		1																	X				24041541-026
11	G200	WT	G				6	2	1	2		1						X							X								24041541-027
12	G206	WT	G				6	2	1	2		1						X						X									24041541-028
13	G206D	WT	G				2	1		1									X					X									24041541-029
14	G207	WT	G				6	2	1	2		1													X								24041541-030
15	G208	WT	G				6	2	1	2		1														X							24041541-031
16	G209	WT	G				6	2	1	2		1						X						X		X							24041541-032

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel C. Lundy	5/6	1642	Michael Reed	5/6/24	1642				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:					

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: <u> Vistra Corp-Coffeen </u>		Report To: <u> Brian Voelker </u>		Attention: <u> Jason Stuckey </u>		REGULATORY AGENCY	
Address: <u> 134 CIPS Lane </u>		Copy To: <u> Sam Davies-samantha.davies@vistracorp.com </u>		Company Name: <u> Vistra Corp </u>			
<u> Coffeen, IL 62017 </u>		<u> John Romang - John.Romang@vistracorp.com </u>		<u> Address: see Section A </u>		NPDES GROUND WATER DRINKING WATER	
Email To: <u> Brian.Voelker@VistraCorp.com </u>		<u> Scott Bell-Michael.Bell@vistracorp.com </u>		<u> Quote Reference: </u>		UST RCRA OTHER	
Phone: <u> (217) 753-8911 </u>	Fax: <u> </u>	Project Name: <u> </u>		<u> Project Manager: </u>		Site Location	
Requested Due Date/TAT: <u> 10 day </u>		Project Number: <u> 2285 </u>		<u> Profile #: </u>		STATE: <u> IL </u>	

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE free valid codes to lab)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test (Y/N)	Requested Analysis Filtered (Y/N)																	
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		DWV WT WW P SL QL WP AR OT TS	CODE			DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G210		WT	G				6	2	1	2	1						X									X								24041541-033		
2	G211		WT	G				6	2	1	2	1															X								24041541-034		
3	G212		WT	G				6	2	1	2	1					X						X				X								24041541-035		
4	G213		WT	G	5-6-24	1429		6	2	1	2	1					X						X				X								24041541-036		
5	G214		WT	G				6	2	1	2	1															X								24041541-037		
6	G215		WT	G				6	2	1	2	1					X						X				X								24041541-038		
7	G216		WT	G				6	2	1	2	1														X									24041541-039		
8	G217		WT	G				6	2	1	2	1					X						X				X								24041541-040		
9	G218		WT	G				6	2	1	2	1					X						X				X								24041541-041		
10	G219		WT	G				2	1		1																						X		24041541-104		
11	G220		WT	G				2	1		1																					X			24041541-105		
12	G270		WT	G				6	2	1	2	1					X		X			X			X	X	X								24041541-042		
13	G271		WT	G				6	2	1	2	1						X					X			X									24041541-043		
14	G272		WT	G				6	2	1	2	1						X					X			X									24041541-044		
15	G273		WT	G				6	2	1	2	1						X					X			X									24041541-045		
16	G274		WT	G				6	2	1	2	1														X									24041541-046		
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION						DATE		TIME		SAMPLE CONDITIONS															
COF-24Q2 Rev 1					Dime/Camp			5/6		1642		Trish Reed						5/6/24		1642		> 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: Brett Gilliken	SIGNATURE of SAMPLER: [Signature]				

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

Page: 4 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test↓ Y/N↑	Requested Analysis Filtered (Y/N)																
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275		WT	G				6	2	1	2		1										X										24041541-047
2	G275D		WT	G				2	1		1												X										24041541-048
3	G276		WT	G				6	2	1	2		1										X		X								24041541-049
4	G277		WT	G				6	2	1	2		1										X		X								24041541-050
5	G278		WT	G				6	2	1	2		1												X								24041541-051
6	G279		WT	G				6	2	1	2		1											X	X	X							24041541-052
7	G280		WT	G	5-6-24	1407		6	2	1	2		1										X	X	X	X							24041541-053
8	G281		WT	G				4	1		2		1										X	X		X							24041541-054
9	G283		WT	G	5-6-24	1100		2	1		1													X									24041541-055
10	G284		WT	G	5-6-24	1136		2	1		1												X										24041541-056
11	G285		WT	G	5-6-24	1222		2	1		1												X			X							24041541-057
12	G301		WT	G	5/11/24	1023		2	1		1											X											24041541-058
13	G302		WT	G	5/11/24	1154		2	1		1											X											24041541-059
14	G303		WT	G				2	1		1											X											24041541-060
15	G305		WT	G				2	1		1											X											24041541-061
16	G306		WT	G				2	1		1											X											24041541-062
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION							DATE	TIME	SAMPLE CONDITIONS																
COF-24Q2 Rev 1			Daniel Grump			5-6	1642	Mindy Rock							5/6/24	1642	> z																

Confidential

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **5** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test (Y/N)	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.
ITEM #	SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE	DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OIL WPE AIR OTHER TISSUE	DW WT WW P SL OL WP AR OT TS			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	
1	G307			WT	G				2	1	1					X					X									24041541-063	
2	G307D			WT	G				2	1	1					X					X								24041541-064		
3	G308			WT	G				2	1	1					X					X								24041541-065		
4	G310			WT	G				2	1	1					X					X								24041541-066		
5	G312			WT	G	5/6/24	1329		2	1	1					X					X								24041541-067		
6	G313			WT	G				2	1	1					X					X								24041541-068		
7	G314			WT	G				2	1	1					X					X								24041541-069		
8	G314D			WT	G				2	1	1					X					X								24041541-070		
9	G315			WT	G				2	1	1					X					X								24041541-071		
10	G316			WT	G				2	1	1					X					X								24041541-072		
11	G401			WT	G				4	1	2	1					X					X			X				24041541-073		
12	G402			WT	G	5-6-24	1200		4	1	2	1				X					X			X					24041541-074		
13	G403			WT	G	5-6-24	1028		4	1	2	1				X					X			X					24041541-075		
14	G404			WT	G	5-6-24	1244		4	1	2	1				X					X			X					24041541-076		
15	G405			WT	G	5-6-24	1313		4	1	2	1				X					X			X					24041541-077		
16	G406			WT	G	5-6-24	1105		4	1	2	1				X					X			X					24041541-078		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
COF-24Q2 Rev 1	Samuel Camp	5-6	1642	Justin Cap	5/6/24	1642	>	=			

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:				

DATE Signed (MM/DD/YY): **5-6-24**

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Bell-Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **6** of **7**

Section D Required Client Information		Valid Matrix Codes		COLLECTED		SAMPLE TEMP AT COLLECTION		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	CODE	DATE	TIME	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	G407	WT	G			4	1	2	1							X															24041541-079	
2	G410	WT	G			4	1	2	1																						24041541-080	
3	G411	WT	G			4	1	2	1																						24041541-081	
4	L203	WT	G			18	9	4	1	3	1																				24041541-082	
5	NE Riser	WT	G			0											X														24041541-083	
6	R104	WT	G			15	6	3	2	3	1																				24041541-084	
7	R201	WT	G			6	2	1	2	1							X														24041541-085	
8	R205	WT	G			6	2	1	2	1																					24041541-086	
9	SG-02	WT	G			0										X	X														24041541-087	
10	SG-03	WT	G			0										X	X														24041541-088	
11	T127	WT	G	5/6/24	1504	14	6	3	1	3	1																				24041541-089	
12	T128	WT	G			14	6	3	1	3	1																					24041541-090
13	X201	WT	G			2	1	1										X													24041541-091	
14	XPW01	WT	G			2	1	1													X										24041541-092	
15	XPW02	WT	G			2	1	1													X										24041541-093	
16	XSG-01	WT	G			0										X					X										24041541-094	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		<i>Daniel Camp</i>		5/6	1642	<i>Trish Reed</i>		5/6/24	1642				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Bre H. Sullivan</i>					
SIGNATURE of SAMPLER: <i>Bre H. Sullivan</i>					

DATE Signed (MM/DD/YY): **5-6-24**

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

Page: 7 of 7[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Blanks: filter upon arrival at the lab for	Semuel Acamp	5/6	1642	Nigel Reed	5/6/24	1642		>	Z	

Blanks: filter upon arrival at the lab for dissolved parameters.

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Bret Gillman</i>						
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>5-6-24</i>					

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AR OTHER OT ISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	AP2D		WT	G				2	1	1																							24041541-001	
2	G1001		WT	G	5/7/24	1016		2	1	1									X													24041541-002		
3	G1003		WT	G				4	1	3									X											X		24041541-003		
4	G101		WT	G				14	6	3	1	3	1										X									24041541-004		
5	G102		WT	G				15	6	3	2	3	1										X						X			24041541-005		
6	G103		WT	G				15	6	3	2	3	1										X						X			24041541-006		
7	G105		WT	G				15	6	3	2	3	1										X						X			24041541-007		
8	G106		WT	G				15	6	3	2	3	1										X						X			24041541-008		
9	G107		WT	G				14	6	3	1	3	1										X									24041541-009		
10	G108		WT	G				14	6	3	1	3	1										X									24041541-010		
11	G109		WT	G				14	6	3	1	3	1										X									24041541-011		
12	G110		WT	G				14	6	3	1	3	1										X									24041541-012		
13	G111		WT	G				14	6	3	1	3	1										X									24041541-013		
14	G119		WT	G				14	6	3	1	3	1										X									24041541-014		
15	G120		WT	G				14	6	3	1	3	1										X									24041541-015		
16	G121		WT	G				14	6	3	1	3	1										X									24041541-016		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE			TIME	SAMPLE CONDITIONS																			
COF-24Q2 Rev 1			Daniel Camp			5/7	1602	Paul Stuckey			5/7/24			1602	7					z														
															V-TC																			

PH/96651/89660
LH 567
Added H₂O₃ (97660) to G1001 & G276

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Tracy Clavel				
SIGNATURE of SAMPLER:	Jenny Barzelle	DATE Signed (MM/DD/YY):	5/7/24		

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Project Number: 2285			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW/ WATER WT/ WASTE WATER WW/ PRODUCT P/ SOL/SOLID SL/ OIL OL/ WPE WP/ AR AR/ OTHER OT/ TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)															Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
SAMPLE ID (A-Z 0-9 / -) Sample IDs MUST BE UNIQUE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:		JUSTIN CUM	
SIGNATURE of SAMPLER:		[Signature]	
DATE Signed (MM/DD/YY):		5-7-24	
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

Page: 3 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes <u>MATRIX</u> <u>CODE</u> DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL QL WPE WP AR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G210	WT	G				6	2	1	2		1											X											24041541-033	
2	G211	WT	G				6	2	1	2		1											X											24041541-034	
3	G212	WT	G				6	2	1	2		1			X					X			X											24041541-035	
4	G213	WT	G				6	2	1	2		1			X					X			X											24041541-036	
5	G214	WT	G				6	2	1	2		1											X												24041541-037
6	G215	WT	G				6	2	1	2		1			X					X			X												24041541-038
7	G216	WT	G				6	2	1	2		1											X												24041541-039
8	G217	WT	G				6	2	1	2		1			X					X			X												24041541-040
9	G218	WT	G				6	2	1	2		1			X					X			X												24041541-041
10	G219	WT	G				2	1		1																						X			24041541-104
11	G220	WT	G				2	1		1																						X			24041541-105
12	G270	WT	G				6	2	1	2		1			X					X			X	X	X										24041541-042
13	G271	WT	G				6	2	1	2		1										X	X	X											24041541-043
14	G272	WT	G				6	2	1	2		1										X	X	X											24041541-044
15	G273	WT	G				6	2	1	2		1										X	X	X											24041541-045
16	G274	WT	G				6	2	1	2		1											X	X	X										24041541-046
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																					
COF-24Q2 Rev 1		Daniel Comp		5-7		1602		[Signature]		5/7/24		1602		> 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:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Bell - Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **4** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.												
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE	CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	G275	WT	G				6	2	1	2		1								X						X		X				24041541-047
2	G275D	WT	G				2	1		1									X						X							24041541-048
3	G276	WT	G	5/7/24	1145		6	2	1	2		1							X						X		X					24041541-049
4	G277	WT	G	5-7-24	0940		6	2	1	2		1							X						X		X					24041541-050
5	G278	WT	G	5/7/24	1331		6	2	1	2		1															X					24041541-051
6	G279	WT	G				6	2	1	2		1							X						X	X	X					24041541-052
7	G280	WT	G				6	2	1	2		1					X	X		X				X	X	X	X					24041541-053
8	G281	WT	G				4	1		2		1					X	X					X	X		X						24041541-054
9	G283	WT	G				2	1		1									X						X							24041541-055
10	G284	WT	G				2	1		1									X						X							24041541-056
11	G285	WT	G				2	1		1									X						X							24041541-057
12	G301	WT	G				2	1		1							X						X									24041541-058
13	G302	WT	G				2	1		1							X						X									24041541-059
14	G303	WT	G				2	1		1							X						X									24041541-060
15	G305	WT	G				2	1		1							X						X									24041541-061
16	G306	WT	G				2	1		1							X						X									24041541-062

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Crump		5-7	1602	Paul J. Kelly		5/7/24	1602				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Gop</i>													
SIGNATURE of SAMPLER: <i>Justin Gop</i>													
DATE Signed (MM/DD/YY): <i>5-7-24</i>													

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Reif- Michael.Reif@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **5** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.												
ITEM #	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB O=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2	1	1							X							X									24041541-063
2	G307D	WT	G				2	1	1							X							X									24041541-064
3	G308	WT	G				2	1	1							X							X									24041541-065
4	G310	WT	G				2	1	1							X							X									24041541-066
5	G312	WT	G				2	1	1							X							X									24041541-067
6	G313	WT	G				2	1	1							X							X									24041541-068
7	G314	WT	G				2	1	1							X							X									24041541-069
8	G314D	WT	G				2	1	1							X							X									24041541-070
9	G315	WT	G				2	1	1							X							X									24041541-071
10	G316	WT	G				2	1	1							X							X									24041541-072
11	G401	WT	G				4	1	2			1					X							X			X					24041541-073
12	G402	WT	G				4	1	2			1					X							X			X					24041541-074
13	G403	WT	G				4	1	2			1					X							X			X					24041541-075
14	G404	WT	G				4	1	2			1					X							X			X					24041541-076
15	G405	WT	G				4	1	2			1					X							X			X					24041541-077
16	G406	WT	G				4	1	2			1					X							X			X					24041541-078

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
COF-24Q2 Rev 1	Daniel Camp	5/7	1602	Paul G. Stuckey	5/7/24	1602		>		z	

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

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[illegible]

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[illegible]

Blanks: filter upon arrival at the lab for dissolved parameters.

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Page: 1 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRNT Name of SAMPLER: Brett Gillman					
SIGNATURE OF SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-9-24				

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24041541

[illegible]

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845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

24041541

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL VPE WP 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)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	Na_2SiO_3	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	G407	WT G					4	1	2	1							X														24041541-079		
2	G410	WT G					4	1	2	1																					24041541-080		
3	G411	WT G					4	1	2	1																					24041541-081		
4	L203	WT G	5-8-24		1111		18	9	4	1	3	1								X											24041541-082		
5	NE Riser	WT G					0											X													24041541-083		
6	R104	WT G					15	6	3	2	3	1							X												24041541-084		
7	R201	WT G					6	2	1	2		1						X													24041541-085		
8	R205	WT G					6	2	1	2		1																			24041541-086		
9	SG-02	WT G					0											X	X												24041541-087		
10	SG-03	WT G					0											X	X												24041541-088		
11	T127	WT G					14	6	3	1	3	1																			24041541-089		
12	T128	WT G					14	6	3	1	3	1																			24041541-090		
13	X201	WT G					2	1		1																					24041541-091		
14	XPW01	WT G					2	1		1									X												24041541-092		
15	XPW02	WT G	5-8-24		1049		2	1		1									X												24041541-093		
16	XSG-01	WT G					0												X												24041541-094		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																				
COF-24Q2 Rev 1			Brett Gilligan			5-8-24	1348	Nick Red			5/8/24	1348																					
SAMPLER NAME AND SIGNATURE													Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)																	
PRINT Name of SAMPLER: Brett Gilligan																																	
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YYYY): 5-8-24																																	

24041541-103

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 7 of 7

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓	Requested Analysis Filtered (Y/N)															Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000		
1	Field Blank		WT	G	5/8/24	1130		21	10	5	2	3	1				X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-095	
2	G102 Duplicate		WT	G				15	6	3	2	3	1												X							24041541-096	
3	G200 Duplicate		WT	G				6	2	1	2		1								X						X					24041541-097	
4	G273 Duplicate		WT	G				6	2	1	2		1									X					X					24041541-098	
5	G301 Duplicate		WT	G				2	1		1						X															24041541-099	
6	R201 Duplicate		WT	G				6	2	1	2		1								X						X					24041541-100	
7	Equipment Blank 1		WT	G	5-8-24	1124		21	10	5	2	3	1				X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-101	
8	Equipment Blank 2		WT	G				21	10	5	2	3	1				X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-102	
9	Equipment Blank 3		WT	G				21	10	5	2	3	1				X	X	X	X	X	X	X	X	X	X	X	X	X	X		24041541-103	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1	<i>Brett Gillman</i>	5-8-24	1348	<i>Trish Reed</i>	7/8/24	1348	> z

Blanks: filter upon arrival at the lab for dissolved parameters.

Field Blank date/time
per Brett Gillman. Um
5/8/24

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): 5-8-24				
SIGNATURE of SAMPLER: <i>Brett Gillman</i>					

June 14, 2024

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



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

RE: COF-24Q2

WorkOrder: 24041542

Dear Eric Bauer:

TEKLAB, INC received 62 samples on 5/8/2024 1:48:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,



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



Report Contents

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

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	69
Receiving Check List	71
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

Abbr Definition

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

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

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

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

DNI Did not ignite

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

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

IDPH IL Dept. of Public Health

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

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

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

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

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

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

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

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

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

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

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

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

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

TNTC Too numerous to count (> 200 CFU)



Definitions

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

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

Qualifiers

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



Case Narrative

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

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Cooler Receipt Temp: 1.7 °C

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

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

G213, G273, and G283 collection times per field files. EAH 5/14/24

G209 collection time per field file. EAH 6/11/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached reports for results and QC.

Locations

Collinsville

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

Collinsville Air

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

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-001
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: AP2D
Collection Date: 05/08/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-002
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G1001
Collection Date: 05/07/2024 10:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-003
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G151
Collection Date: 04/30/2024 10:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-004
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G152
Collection Date: 05/07/2024 11:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-005
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G153
Collection Date: 04/30/2024 12:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-006
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G154
Collection Date: 04/30/2024 12:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-007
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G155
Collection Date: 04/30/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-008
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G200
Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-009
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G206
Collection Date: 04/30/2024 10:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-010
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G206D
Collection Date: 04/30/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:44	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-011
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G209
Collection Date: 05/01/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:46	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-012
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G212
Collection Date: 05/01/2024 9:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-013
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G213
Collection Date: 05/06/2024 14:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24041542
Client Project: COF-24Q2	Report Date: 14-Jun-24
Lab ID: 24041542-014	Client Sample ID: G215
Matrix: GROUNDWATER	Collection Date: 04/30/2024 13:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-015
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G217
Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-016
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G218
Collection Date: 05/02/2024 11:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-017
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G270
Collection Date: 05/08/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-018
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G271
Collection Date: 05/01/2024 13:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-019
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G273
Collection Date: 05/01/2024 12:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-020
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G275
Collection Date: 05/02/2024 10:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/04/2024 11:47	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-021
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G275D
Collection Date: 05/02/2024 9:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:23	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-022
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G276
Collection Date: 05/07/2024 11:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:23	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-023
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G277
Collection Date: 05/07/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:23	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-024
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G279
Collection Date: 05/03/2024 9:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:23	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-025
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G280
Collection Date: 05/06/2024 14:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-026
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G281
Collection Date: 05/03/2024 10:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-027
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G283
Collection Date: 05/06/2024 10:59

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-028
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G284
Collection Date: 05/06/2024 11:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-029
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G285
Collection Date: 05/06/2024 12:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-030
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G301
Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-031
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G302
Collection Date: 05/06/2024 11:54

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-032
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G303
Collection Date: 05/01/2024 10:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:24	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-033
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G305
Collection Date: 05/01/2024 14:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:25	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-034
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G306
Collection Date: 05/01/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:18	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-035
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G307
Collection Date: 05/02/2024 14:32

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:18	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-036
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G307D
Collection Date: 05/02/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-037
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G308
Collection Date: 05/02/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-038
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G310
Collection Date: 05/03/2024 9:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-039
Matrix: GROUNDWATER
Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G312
Collection Date: 05/06/2024 13:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-040
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G313
Collection Date: 05/01/2024 12:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 16:19	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-041
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G314
Collection Date: 04/30/2024 14:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-042
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G314D
Collection Date: 04/30/2024 13:07

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-043
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G315
Collection Date: 05/02/2024 10:31

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24041542
Client Project: COF-24Q2	Report Date: 14-Jun-24
Lab ID: 24041542-044	Client Sample ID: G316
Matrix: GROUNDWATER	Collection Date: 04/30/2024 11:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-045
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G401
Collection Date: 05/02/2024 14:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:34	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-046
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G402
Collection Date: 05/06/2024 12:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-047
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G403
Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-048
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G404
Collection Date: 05/06/2024 12:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-049
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G405
Collection Date: 05/06/2024 13:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:42	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-050
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G406
Collection Date: 05/06/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll **Work Order:** 24041542
Client Project: COF-24Q2 **Report Date:** 14-Jun-24
Lab ID: 24041542-051 **Client Sample ID:** G407
Matrix: GROUNDWATER **Collection Date:** 04/29/2024 14:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-052
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G410
Collection Date: 04/30/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-053
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G411
Collection Date: 04/29/2024 13:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:43	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-054
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: R201
Collection Date: 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-055
Matrix: AQUEOUS

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: Field Blank
Collection Date: 05/08/2024 11:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-056
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G200 Duplicate
Collection Date: 05/07/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-057
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G217 Duplicate
Collection Date: 05/02/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-058
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G301 Duplicate
Collection Date: 05/06/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-059
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: R201 Duplicate
Collection Date: 05/07/2024 12:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-060
Matrix: AQUEOUS

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: Equipment Blank 1
Collection Date: 05/08/2024 11:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/06/2024 11:41	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-063
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G219
Collection Date: 05/07/2024 11:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 12:07	R348762



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q2
Lab ID: 24041542-064
Matrix: GROUNDWATER

Work Order: 24041542
Report Date: 14-Jun-24
Client Sample ID: G220
Collection Date: 05/07/2024 12:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	06/05/2024 12:07	R348762



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041542-001	AP2D	Groundwater	1	05/08/2024 9:52
24041542-002	G1001	Groundwater	1	05/07/2024 10:16
24041542-003	G151	Groundwater	1	04/30/2024 10:11
24041542-004	G152	Groundwater	1	05/07/2024 11:15
24041542-005	G153	Groundwater	1	04/30/2024 12:38
24041542-006	G154	Groundwater	1	04/30/2024 12:01
24041542-007	G155	Groundwater	1	04/30/2024 11:21
24041542-008	G200	Groundwater	1	05/07/2024 12:53
24041542-009	G206	Groundwater	1	04/30/2024 10:57
24041542-010	G206D	Groundwater	1	04/30/2024 10:28
24041542-011	G209	Groundwater	1	05/01/2024 12:16
24041542-012	G212	Groundwater	1	05/01/2024 9:52
24041542-013	G213	Groundwater	1	05/06/2024 14:28
24041542-014	G215	Groundwater	1	04/30/2024 13:19
24041542-015	G217	Groundwater	1	05/02/2024 12:39
24041542-016	G218	Groundwater	1	05/02/2024 11:47
24041542-017	G270	Groundwater	1	05/08/2024 9:40
24041542-018	G271	Groundwater	1	05/01/2024 13:37
24041542-019	G273	Groundwater	1	05/01/2024 12:30
24041542-020	G275	Groundwater	1	05/02/2024 10:33
24041542-021	G275D	Groundwater	1	05/02/2024 9:58
24041542-022	G276	Groundwater	1	05/07/2024 11:45
24041542-023	G277	Groundwater	1	05/07/2024 9:40
24041542-024	G279	Groundwater	1	05/03/2024 9:40
24041542-025	G280	Groundwater	1	05/06/2024 14:07
24041542-026	G281	Groundwater	1	05/03/2024 10:27
24041542-027	G283	Groundwater	1	05/06/2024 10:59
24041542-028	G284	Groundwater	1	05/06/2024 11:36
24041542-029	G285	Groundwater	1	05/06/2024 12:22
24041542-030	G301	Groundwater	1	05/06/2024 10:28
24041542-031	G302	Groundwater	1	05/06/2024 11:54
24041542-032	G303	Groundwater	1	05/01/2024 10:49
24041542-033	G305	Groundwater	1	05/01/2024 14:41
24041542-034	G306	Groundwater	1	05/01/2024 13:47
24041542-035	G307	Groundwater	1	05/02/2024 14:32
24041542-036	G307D	Groundwater	1	05/02/2024 11:35
24041542-037	G308	Groundwater	1	05/02/2024 12:53
24041542-038	G310	Groundwater	1	05/03/2024 9:55
24041542-039	G312	Groundwater	1	05/06/2024 13:29



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q2

Work Order: 24041542
Report Date: 14-Jun-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24041542-040	G313	Groundwater	1	05/01/2024 12:13
24041542-041	G314	Groundwater	1	04/30/2024 14:13
24041542-042	G314D	Groundwater	1	04/30/2024 13:07
24041542-043	G315	Groundwater	1	05/02/2024 10:31
24041542-044	G316	Groundwater	1	04/30/2024 11:56
24041542-045	G401	Groundwater	1	05/02/2024 14:06
24041542-046	G402	Groundwater	1	05/06/2024 12:00
24041542-047	G403	Groundwater	1	05/06/2024 10:28
24041542-048	G404	Groundwater	1	05/06/2024 12:44
24041542-049	G405	Groundwater	1	05/06/2024 13:13
24041542-050	G406	Groundwater	1	05/06/2024 11:05
24041542-051	G407	Groundwater	1	04/29/2024 14:52
24041542-052	G410	Groundwater	1	04/30/2024 10:36
24041542-053	G411	Groundwater	1	04/29/2024 13:11
24041542-054	R201	Groundwater	1	05/07/2024 12:43
24041542-055	Field Blank	Aqueous	1	05/08/2024 11:21
24041542-056	G200 Duplicate	Groundwater	1	05/07/2024 12:53
24041542-057	G217 Duplicate	Groundwater	1	05/02/2024 12:39
24041542-058	G301 Duplicate	Groundwater	1	05/06/2024 10:28
24041542-059	R201 Duplicate	Groundwater	1	05/07/2024 12:43
24041542-060	Equipment Blank 1	Aqueous	1	05/08/2024 11:35
24041542-063	G219	Groundwater	1	05/07/2024 11:10
24041542-064	G220	Groundwater	1	05/07/2024 12:08



Receiving Check List

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

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

Carrier: Payton Yoch

Received By: NR

Completed by:

On:

29-Apr-24

Nick Reed

Reviewed by:

On:

09-May-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 1.7
Type of thermal preservation?	None ☐	Ice ☒	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☒	No ☐		
Chain of custody signed when relinquished and received?	Yes ☒	No ☐		
Chain of custody agrees with sample labels?	Yes ☒	No ☐		
Samples in proper container/bottle?	Yes ☒	No ☐		
Sample containers intact?	Yes ☒	No ☐		
Sufficient sample volume for indicated test?	Yes ☒	No ☐		
All samples received within holding time?	Yes ☒	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☒	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐		

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

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

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

pH strip #96651. - pschultz - 4/30/2024 7:52:02 AM

Per Tracy Carroll, some G411 containers may be marked as G410, and some G410 containers may be marked as G411 (bagging error during bottle prep). - ehurley - 4/30/2024 9:30:40 AM

Samples were received on 4/30/2024 at 16:30 on ice [19.3C - LTG#5]. - pschultz - 4/30/2024 4:51:21 PM

pH strip #96651. DS - pschultz - 4/30/2024 4:52:01 PM

Additional Nitric Acid (97528) was needed in G151, G314, G153, G316, and G314D upon arrival at the laboratory. LH - pschultz - 4/30/2024 4:53:52 PM

Samples were received on 5/1/2024 at 16:31 on ice [12.1C - LTG#5]. - pschultz - 5/2/2024 8:40:53 AM

pH strip #96651. - pschultz - 5/2/2024 8:40:56 AM

Additional Nitric Acid (97606) was needed in G303 upon arrival at the laboratory. - pschultz - 5/2/2024 8:40:59 AM

Samples were received on 5/2/24 at 1615 on ice [16.1C - LTG5]. pH strip #96651. Additional Nitric Acid (97606) was needed in G218 and G275D upon arrival at the laboratory. - amberdilallo - 5/2/2024 5:06:13 PM

Samples were received on 5/3/24 at 1148 on ice [16.3C - LTG5]. Additional Nitric Acid (97606) was needed in G279 upon arrival at the laboratory.



Receiving Check List

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

Client: Ramboll

Work Order: 24041542

Client Project: COF-24Q2

Report Date: 14-Jun-24

pH strip #96651. - amberdilallo - 5/3/2024 12:31:10 PM

Samples were received on 5/6/24 at 1642 on ice [12.9C - LTG5]. Additional Nitric Acid (97606) was needed in G285, G302, and G312 upon arrival at the laboratory. pH strip #96651. - PS/amberdilallo - 5/7/2024 8:24:08 AM

Samples were received on 5/7/24 at 1602 on ice [16.7C - LTG7]. Additional Nitric Acid (97606) was needed upon arrival at the laboratory for G1001 and G220. pH strip #96651. - amberdilallo - 5/8/2024 7:57:17 AM

Samples were received on 5/8/24 at 13:48 on ice [6.9C - LTG#5]. pH strip #96651. - nickreed - 5/8/2024 6:56:18 PM

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

Page: 1 of 7

REGULATORY AGENCYProject No./ Lab I.D.

LH/PS 4/30/24

PRINT Name of SAMPLER:

PRINT Name of SAMPLER: L. Smith

SIGNATURE of SAMPLER: _____

DATE Signed (MM/DD/YY): 4-30-24

Confidential

Section A

Section B

Section C

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

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin GCP					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 4-30-24				

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

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104		COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
1	AP2D	WT	G				2																								24041542-001		
2	G1001	WT	G				2																								24041542-002		
3	G1003	WT	G				0																								N/A		
4	G101	WT	G				0																								N/A		
5	G102	WT	G				0																								N/A		
6	G103	WT	G				0																								N/A		
7	G105	WT	G				0																								N/A		
8	G106	WT	G				0																								N/A		
9	G107	WT	G				0																								N/A		
10	G108	WT	G			5-1-24	1036																								N/A		
11	G109	WT	G			5-1-24	8953																								N/A		
12	G110	WT	G																												N/A		
13	G111	WT	G																												N/A		
14	G119	WT	G			5-1-24	1222																								N/A		
15	G120	WT	G			5-1-24	1254																								N/A		
16	G121	WT	G			5-1-24	1321																								N/A		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q2 Rev 1 Radium reporting, only.		Sample Comp		5-1		1631		Sharon O'Brien		5/1/24		11:31		12.1		>		z															

Added HNO₃ (97604) to G303
PH 96651 BS 5/2

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gop					
SIGNATURE of SAMPLER: Justin Gop					
DATE Signed (MM/DD/YY): 5-1-24					

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)				
1	G122	WT	G	5-1-24	1359		0																												N/A	
2	G123	WT	G				0																													N/A
3	G124	WT	G	5-1-24	1451		0																												N/A	
4	G125	WT	G				0																													N/A
5	G126	WT	G				0																													N/A
6	G151	WT	G				2			2																										24041542-003
7	G152	WT	G				2			2																										24041542-004
8	G153	WT	G				2			2																										24041542-005
9	G154	WT	G				2			2																										24041542-006
10	G155	WT	G				2			2																										24041542-007
11	G200	WT	G				2			2																										24041542-008
12	G206	WT	G				2			2																										24041542-009
13	G206D	WT	G				2			2																										24041542-010
14	G207	WT	G				0																													N/A
15	G208	WT	G				0																													N/A
16	G209	WT	G	5-1-24	1155		2			2																										24041542-011

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Camp		5-1		Damon Delgado		5/1/24	11:31				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole													
SIGNATURE of SAMPLER: Justin Cole													
DATE Signed (MM/DD/YYYY): 5-1-24													

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

Page: 3 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER C/W WATER WT WASTE WATER VW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)				
1	G210	WT G	5-1-24	1128	0																	X			N/A											
2	G211	WT G	5-1-24	1040	0																	X			N/A											
3	G212	WT G	5-1-24	0952	2		2							X					X			X			24041542-012											
4	G213	WT G			2		2							X					X			X			24041542-013											
5	G214	WT G			0																	X			N/A											
6	G215	WT G			2		2							X					X			X			24041542-014											
7	G216	WT G			0																	X			N/A											
8	G217	WT G			2		2							X					X			X			24041542-015											
9	G218	WT G			2		2							X					X			X			24041542-016											
10	G219	WT G			2		2																X		24041542-063											
11	G220	WT G			2		2																X		24041542-064											
12	G270	WT G			2		2							X		X		X	X	X	X				24041542-017											
13	G271	WT G	5-1-24	1337	2		2								X				X			X			24041542-018											
14	G272	WT G	5-1-24	1310	0										X				X			X			N/A											
15	G273	WT G	5-1-24	1231	2		2								X				X			X			24041542-019											
16	G274	WT G	5-1-24	1421	0																	X			N/A											
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																								
COF-24Q2 Rev 1 Radium reporting, only.			Daniel Crump		5-1	1631	Amelia Qualls			5/1/24	1631	> z																								

SAMPLER NAME AND SIGNATURE		Temp in °C	Recoiled 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): 5-1-24				

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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 Cdp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-1-24				

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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 Cdp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-1-24				

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Added HNO_3 (97606) to sample
G718(1/2) + G 275D(2/2) 9665- ¹¹ 5/2

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER OW WATER WT WASTE WATER VW PRODUCT P SOIL/SOLID SL OL WPE WP AR OT OTHER TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)				
1	G210	WT	G				0																												N/A	
2	G211	WT	G				0																												N/A	
3	G212	WT	G				2		2																										24041542-012	
4	G213	WT	G				2		2																										24041542-013	
5	G214	WT	G				0																												N/A	
6	G215	WT	G				2		2																										24041542-014	
7	G216	WT	G				0																												N/A	
8	G217	WT	G			5-2-24	2		2																										24041542-015	
9	G218	WT	G			5-2-24	2		2																										24041542-016	
10	G219	WT	G			1147*	2		2																										24041542-063	
11	G220	WT	G				2		2																										24041542-064	
12	G270	WT	G				2		2																										24041542-017	
13	G271	WT	G				2		2																										24041542-018	
14	G272	WT	G				0																												N/A	
15	G273	WT	G				2		2																										24041542-019	
16	G274	WT	G				0																												N/A	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		<i>Daniel Crump</i>		5-2	1615	<i>Uma Cicaleo</i>		5/2/24	1415				
Radium reporting, only.													

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Justin Colp</i>					
SIGNATURE of SAMPLER: <i>Justin Colp</i>					
DATE Signed (MM/DD/YY): 5-2-24					

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[illegible]

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Project No./ Lab I.D.	
				DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		COF-SUP-000
1	G307	WT	G	5/2/24	1432	2	2								X																24041542-035
2	G307D	WT	G	5/2/24	1135	2	2								X																24041542-036
3	G308	WT	G	5/2/24	1253	2	2								X																24041542-037
4	G310	WT	G			2	2								X																24041542-038
5	G312	WT	G			2	2								X																24041542-039
6	G313	WT	G			2	2								X																24041542-040
7	G314	WT	G			2	2								X																24041542-041
8	G314D	WT	G			2	2								X																24041542-042
9	G315	WT	G	5/2/24	1031	2	2								X																24041542-043
10	G316	WT	G			2	2								X																24041542-044
11	G401	WT	G	5-2-24	1406	2	2								X																24041542-045
12	G402	WT	G			2	2								X																24041542-046
13	G403	WT	G			2	2								X																24041542-047
14	G404	WT	G			2	2								X																24041542-048
15	G405	WT	G			2	2								X																24041542-049
16	G406	WT	G			2	2								X																24041542-050

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Crump		5-2	1615	Justin Colp		5/2/24	1615				
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): 5-2-24													

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WPIE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								V/N Analysis Test	Requested Analysis Filtered (Y/N)														Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000				Residual Chlorine (Y/N)
1	G407		WT	G				2		2									X														24041542-051		
2	G410		WT	G				2		2													X										24041542-052		
3	G411		WT	G				2		2													X										24041542-053		
4	L203		WT	G				0												X													N/A		
5	NE Riser		WT	G				0													X												N/A		
6	R104		WT	G	5-7-24	1300		0												X							X						N/A		
7	R201		WT	G				2		2												X					X						24041542-054		
8	R205		WT	G				0																					X				N/A		
9	SG-02		WT	G				0											X	X													N/A		
10	SG-03		WT	G				0											X	X													N/A		
11	T127		WT	G				0																									N/A		
12	T128		WT	G				0																									N/A		
13	X201		WT	G				0																		X							N/A		
14	XPW01		WT	G				0													X												N/A		
15	XPW02		WT	G				0													X												N/A		
16	XSG-01		WT	G				0											X														N/A		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE			TIME			SAMPLE CONDITIONS																			
COF-24Q2 Rev 1 Radium reporting, only.		Samuel Grump			5-2	1615	Umah Details			5/2/24			1145						y			z													

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cop					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 5-2-24					

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Page: 7 of 7

PRINT Name of SAMPLER:	Justin Cole	Temp in °C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	Justin Cole					

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name:		Profile #:			
		Project Number: 2285					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Analysis Test ↓ Y/N ↓													Residual Chlorine (Y/N)	Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104			COF-WPCP-106	COF-SUP-000
1	AP2D		WT	G				2			2																					24041542-001	
2	G1001		WT	G				2			2								X													24041542-002	
3	G1003		WT	G				0											X										X			N/A	
4	G101		WT	G				0																								N/A	
5	G102		WT	G				0																								N/A	
6	G103		WT	G				0																								N/A	
7	G105		WT	G				0																								N/A	
8	G106		WT	G				0																								N/A	
9	G107		WT	G	5-3-24	0920		0																								N/A	
10	G108		WT	G				0																								N/A	
11	G109		WT	G				0																								N/A	
12	G110		WT	G				0																								N/A	
13	G111		WT	G				0																								N/A	
14	G119		WT	G				0																								N/A	
15	G120		WT	G				0																								N/A	
16	G121		WT	G				0																								N/A	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q2 Rev 1 Radium reporting, only.			[Signature]			5-3	1148	[Signature]			5/3/24		1148		1123 1105 z																		

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin GCP		DATE Signed (MM/DD/YYYY): 5-3-24	
SIGNATURE of SAMPLER: [Signature]			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Added HNO3 (97600) to
G279 2 OF 2. pH ✓ 9.06/51
[Signature] 5/3/24

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Visira Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@visitracorp.com		Company Name: Visira Corp			
Coffeen, IL 62017		John Romang - John.Romang@visitracorp.com		Address: see Section A			
Email To: Brian.Voelker@VisiraCorp.com		Scott Bell- Michael.Bell@visitracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9, /, -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIFE WIF AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Project No./ Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)
1	G122	WT	G			0																									N/A		
2	G123	WT	G			0																									N/A		
3	G124	WT	G			0																									N/A		
4	G125	WT	G			0																									N/A		
5	G126	WT	G		5-3-24 0953	0																									N/A		
6	G151	WT	G			2		2																					X		24041542-003		
7	G152	WT	G			2		2																					X		24041542-004		
8	G153	WT	G			2		2																					X		24041542-005		
9	G154	WT	G			2		2																				X	X		24041542-006		
10	G155	WT	G			2		2																					X		24041542-007		
11	G200	WT	G			2		2																					X		24041542-008		
12	G206	WT	G			2		2																					X		24041542-009		
13	G206D	WT	G			2		2																					X		24041542-010		
14	G207	WT	G			0																							X		N/A		
15	G208	WT	G			0																							X		N/A		
16	G209	WT	G			2		2																					X		24041542-011		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		WPAZ		5-3	1148	Smiley, D. L.		5/3/24	1148				
Radium reporting, only.													

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cab					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YYYY): 5-3-24					

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WPE AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)			
1	G210		WT	G				0																											N/A
2	G211		WT	G				0																											N/A
3	G212		WT	G				2			2																								24041542-012
4	G213		WT	G				2			2																								24041542-013
5	G214		WT	G				0																											N/A
6	G215		WT	G				2			2																								24041542-014
7	G216		WT	G				0																											N/A
8	G217		WT	G				2			2																								24041542-015
9	G218		WT	G				2			2																								24041542-016
10	G219		WT	G				2			2																								24041542-063
11	G220		WT	G				2			2																								24041542-064
12	G270		WT	G				2			2																								24041542-017
13	G271		WT	G				2			2																								24041542-018
14	G272		WT	G				0																											N/A
15	G273		WT	G				2			2																								24041542-019
16	G274		WT	G				0																											N/A
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q2 Rev 1 Radium reporting, only.			Py OL			5/3		1/48		Uma S. Dole			5/3/24		1/48		> z																		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Radium reporting, only.		5/3	1/48	Uma D. Sales		5/3/24	1/48		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:													
DATE Signed (MM/DD/YY):													

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Page: 5 of 7

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AR AR OTHER OT TSS TS	MATRIX CODE	(See valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
						DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)				
1	G307	WT G						2			2						X																			24041542-035	
2	G307D	WT G						2			2						X																			24041542-036	
3	G308	WT G						2			2						X																			24041542-037	
4	G310	WT G				5/3/74	955	2			2						X																			24041542-038	
5	G312	WT G						2			2						X																			24041542-039	
6	G313	WT G						2			2						X																			24041542-040	
7	G314	WT G						2			2						X																			24041542-041	
8	G314D	WT G						2			2						X																			24041542-042	
9	G315	WT G						2			2						X																			24041542-043	
10	G316	WT G						2			2						X																			24041542-044	
11	G401	WT G						2			2							X																		24041542-045	
12	G402	WT G						2			2						X																			24041542-046	
13	G403	WT G						2			2						X																			24041542-047	
14	G404	WT G						2			2						X																			24041542-048	
15	G405	WT G						2			2						X																			24041542-049	
16	G406	WT G						2			2						X																			24041542-050	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																					
COF-24Q2 Rev 1 Radium reporting, only.		[Signature]		5/3		1148		[Signature]				5/3/74		1148		> z																					

Confidential

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell-Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL OL WIPE WP AIR AR OTHER OT TSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							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	COF-SUP-000		

1	G407	WT	G				2		2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Wg/02		5/3	1148	Uma Dela		5/3	1148				
Radium reporting, only.													

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			COF-SUP-000
SAMPLE ID (A-Z, 0-9 / .-) Sample IDs MUST BE UNIQUE																																	
1	Field Blank	WT	G				2		2									X	X	X	X	X	X	X	X	X	X	X	X		24041542-055		
2	G102 Duplicate	WT	G				0																				X				N/A		
3	G200 Duplicate	WT	G				2		2											X						X					24041542-056		
4	G273 Duplicate	WT	G				2		2												X					X					24041542-057		
5	G301 Duplicate	WT	G				2		2										X												24041542-058		
6	R201 Duplicate	WT	G				2		2												X					X					24041542-059		
7	Equipment Blank 1	WT	G				2		2									X	X	X	X	X	X	X	X	X	X	X	X		24041542-060		
8	Equipment Blank 2	WT	G				2		2									X	X	X	X	X	X	X	X	X	X	X	X		24041542-061		
9	Equipment Blank 3	WT	G				2		2									X	X	X	X	X	X	X	X	X	X	X	X		24041542-062		
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Wty 2		5/3	1148	Jana Ocarillo		5/31	1149				
Radium reporting, only.													
PRINT Name of SAMPLER:										Temp in °F	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:													
DATE Signed (MM/DD/YY):													

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Page: 1 of 7

SAMPLER NAME AND SIGNATURE		Temp. in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Brett Gillman</u> SIGNATURE of SAMPLER: <u>Brett Gillman</u>					
DATE Signed (MM/DD/YY): <u>5-6-24</u>					

PS 5/7

Per Brett Gilligan, G1003 is dry not G1001. sm
5/8/24

24041542103

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Project Name:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL GL OL VPE YP SAR SR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000				
1	G122	WT	G				0																									N/A			
2	G123	WT	G				0																									N/A			
3	G124	WT	G				0																									N/A			
4	G125	WT	G				0																									N/A			
5	G126	WT	G				0																									N/A			
6	G151	WT	G				2		2																					X		24041542-003			
7	G152	WT	G				2		2																					X		24041542-004			
8	G153	WT	G				2		2																					X		24041542-005			
9	G154	WT	G				2		2																					X		24041542-006			
10	G155	WT	G				2		2																					X		24041542-007			
11	G200	WT	G				2		2																					X		24041542-008			
12	G206	WT	G				2		2																					X		24041542-009			
13	G206D	WT	G				2		2																					X		24041542-010			
14	G207	WT	G				0																							X		N/A			
15	G208	WT	G				0																							X		N/A			
16	G209	WT	G				2		2																					X		24041542-011			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Cump			5/6		1642		Rich Reed				5/6/24		1642		> z																		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Crump		5/6	1642	Rich Reed		5/6/24	1642				
Radium reporting, only.													

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

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: <u>Vistra Corp-Coffeen</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: <u>IL</u> STATE: <u>IL</u>	
Address: <u>134 CIPS Lane</u>		Copy To: <u>Sam Davies-samantha.davies@vistracorp.com</u>		Company Name: <u>Vistra Corp</u>			
<u>Coffeen, IL 62017</u>		John Romang - <u>John.Romang@vistracorp.com</u>		Address: <u>see Section A</u>			
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Scott Bell - <u>Michael.Bell@vistracorp.com</u>		Quote Reference:			
Phone: <u>(217) 753-8911</u> Fax:		Project Name:		Project Manager:			
Requested Due Date/TAT: <u>10 day</u>		Project Number: <u>2285</u>		Profile #:			

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Drew Gilligan</u>							
SIGNATURE of SAMPLER: <u>[Signature]</u> DATE Signed (MM/DD/YY): <u>5-6-24</u>							

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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	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Analysis Test ↓	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Project No./ Lab I.D.			
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102			COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000
1	G275		WT	G				2			2																					24041542-020	
2	G275D		WT	G				2			2																					24041542-021	
3	G276		WT	G				2			2																					24041542-022	
4	G277		WT	G				2			2																					24041542-023	
5	G278		WT	G				0																								N/A	
6	G279		WT	G				2			2																					24041542-024	
7	G280		WT	G	5-6-24	1407		2			2																					24041542-025	
8	G281		WT	G				2			2																					24041542-026	
9	G283		WT	G	5-6-24	1100		2			2																					24041542-027	
10	G284		WT	G	5-6-24	1136		2			2																					24041542-028	
11	G285		WT	G	5-6-24	1222		2			2																					24041542-029	
12	G301		WT	G	5/16/24	1028		2			2																					24041542-030	
13	G302		WT	G	5/16/24	1154		2			2																					24041542-031	
14	G303		WT	G				2			2																					24041542-032	
15	G305		WT	G				2			2																					24041542-033	
16	G306		WT	G				2			2																					24041542-034	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Crump			5-6		1642		Wich-Rock				5/6/24		1642		y z																

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Crump		5-6	1642	Justin Cole		5/16/24	1642				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole													
SIGNATURE of SAMPLER: Justin Cole													
DATE Signed (MM/DD/YY): 5-6-24													

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24041542

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: <u>Vistra Corp-Coffeen</u>		Report To: <u>Brian Voelker</u>		Attention: <u>Jason Stuckey</u>		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: <u>IL</u> STATE: <u>IL</u>	
Address: <u>134 CIPS Lane</u>		Copy To: <u>Sam Davies-samantha.davies@vistracorp.com</u>		Company Name: <u>Vistra Corp</u>			
<u>Coffeen, IL 62017</u>		John Romang - <u>John.Romang@vistracorp.com</u>		Address: <u>see Section A</u>			
Email To: <u>Brian.Voelker@VistraCorp.com</u>		Scott Belt - <u>Michael.Belt@vistracorp.com</u>		Quote Reference:			
Phone: <u>(217) 753-8911</u> Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: <u>10 day</u>		Project Name:		Profile #:			
		Project Number: <u>2285</u>					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000		
1	G307		WT	G				2										X														24041542-035	
2	G307D		WT	G				2										X														24041542-036	
3	G308		WT	G				2										X														24041542-037	
4	G310		WT	G				2										X														24041542-038	
5	G312		WT	G	5/6/24	1329		2										X														24041542-039	
6	G313		WT	G				2										X														24041542-040	
7	G314		WT	G				2										X														24041542-041	
8	G314D		WT	G				2										X														24041542-042	
9	G315		WT	G				2										X														24041542-043	
10	G316		WT	G				2										X														24041542-044	
11	G401		WT	G				2											X													24041542-045	
12	G402		WT	G	5-6-24	1200		2										X														24041542-046	
13	G403		WT	G	5-6-24	1028		2										X														24041542-047	
14	G404		WT	G	5-6-24	1244		2										X														24041542-048	
15	G405		WT	G	5-6-24	1313		2										X														24041542-049	
16	G406		WT	G	5-6-24	1105		2										X														24041542-050	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS															
COF-24Q2 Rev 1 Radium reporting, only.			Daniel Camp			5-6		1642		Nick Reed				5/6/24		1642		> z															

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Cump		5-6	1642	Nick Reed		5/6/24	1642				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Justin Gid</u>													
SIGNATURE of SAMPLER: <u>[Signature]</u> DATE Signed (MM/DD/YY): <u>5-6-24</u>													

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Brett Gillman</i>					
SIGNATURE OF SAMPLER: <i>Brett Gillman</i>	DATE Signed (MM/DD/YY): <i>5-6-24</i>				

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER W1 WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000				
1	Field Blank		WT	G				2			2																						24041542-055		
2	G102 Duplicate		WT	G				0																									N/A		
3	G200 Duplicate		WT	G				2			2																						24041542-056		
4	G273 Duplicate		WT	G				2			2																						24041542-057		
5	G301 Duplicate		WT	G	5/6/24	1028		2			2																						24041542-058		
6	R201 Duplicate		WT	G				2			2																						24041542-059		
7	Equipment Blank 1		WT	G				2			2																						24041542-060		
8	Equipment Blank 2		WT	G				2			2																						24041542-061		
9	Equipment Blank 3		WT	G				2			2																						24041542-062		
10																																			
11																																			
12																																			
13																																			
14																																			
15																																			
16																																			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
COF-24Q2 Rev 1		Daniel Grump		5/6		1642		Nick Reed		5/6/24		1642			
Radium reporting, only.															
PRINT Name of SAMPLER: Brett Gilligan										DATE Signed (MM/DD/YY): 5-6-24		Temp in °F		Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)	

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Requested Analysis Filtered (Y/N)

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody (Sealed Cooler (Y/N))	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5/7/24				

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CHAIN-OF-CUSTODY / Analytical Request Document

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

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL CL W/PE WP AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000					
1		G122	WT	G				0																											N/A	
2		G123	WT	G	5-7-24	10:01		0										X																N/A		
3		G124	WT	G				0										X																N/A		
4		G125	WT	G				0										X																N/A		
5		G126	WT	G				0										X																N/A		
6		G151	WT	G				2			2																					X		24041542-003		
7		G152	WT	G	5-7-24	10:28		2			2																				X		24041542-004			
8		G153	WT	G				2			2																					X		24041542-005		
9		G154	WT	G				2			2																				X			24041542-006		
10		G155	WT	G				2			2																					X		24041542-007		
11		G200	WT	G	5-7-24	12:53		2			2																				X			24041542-008		
12		G206	WT	G				2			2																					X			24041542-009	
13		G206D	WT	G				2			2																					X			24041542-010	
14		G207	WT	G	5-7-24	11:46		0																								X			N/A	
15		G208	WT	G	5-7-24			0																								X			N/A	
16		G209	WT	G				2			2																						X			24041542-011
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION								DATE		TIME		SAMPLE CONDITIONS															
COF-24Q2 Rev 1 Radium reporting, only.			Daniel Crump		5-7		1602		Sma. G. Wells								5/7/14		1602		y z															

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Daniel Crump		5-7	10:02	SMC O'Connell		5/7/24	11:02				
										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 Gw													
SIGNATURE of SAMPLER: Justin Gw										DATE Signed (MM/DD/YY): 5-7-24			

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ITEM #	Section D Required Client Information		Valid Matrix Codes <u>MATRIX CODE</u>		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMPOUND)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								$\downarrow$ Analysis Test $\uparrow$	Requested Analysis Filtered (Y/N)																Residual Chlorine (YN)	Project No./ Lab I.D.
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OL WPE AR OTHER TSSUE	CODE WT WW P SL OL WP AR OT TS			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000				
1	G210		WT	G				0																			X		N/A								
2	G211		WT	G				0																		X		N/A									
3	G212		WT	G				2		2								X						X		X		24041542-012									
4	G213		WT	G				2		2								X					X		X			24041542-013									
5	G214		WT	G				0																	X			N/A									
6	G215		WT	G				2		2								X					X		X			24041542-014									
7	G216		WT	G				0																X				N/A									
8	G217		WT	G				2		2								X				X		X				24041542-015									
9	G218		WT	G				2		2								X				X		X				24041542-016									
10	G219		WT	G	5-7-24	1110		2		2																X		24041542-063									
11	G220		WT	G	5-7-24	12081208		2		2																X		24041542-064									
12	G270		WT	G				2		2							X		X		X	X	X	X				24041542-017									
13	G271		WT	G				2		2									X			X	X	X				24041542-018									
14	G272		WT	G				0										X				X	X					N/A									
15	G273		WT	G				2		2								X				X	X					24041542-019									
16	G274		WT	G				0																X				N/A									

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Culp				
SIGNATURE of SAMPLER:	<i>Justin Culp</i>				
DATE Signed (MM/DD/YY):		5-7-24			

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:

Company: **Visira Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VisiraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@visiracorp.com**
John Romang - John.Romang@visiracorp.com
Scott Bell- Michael.Bell@visiracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Visira Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **4** of **7**

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 / -)	MATRIX CODE	CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)		
1	G275	WT	G				2																										24041542-020
2	G275D	WT	G				2																										24041542-021
3	G276	WT	G	5/7/24	1145		2																										24041542-022
4	G277	WT	G	5-7-24	0940		2																										24041542-023
5	G278	WT	G	5/7/24	1331		0																										N/A
6	G279	WT	G				2																										24041542-024
7	G280	WT	G				2										X	X					X	X	X	X	X	X					24041542-025
8	G281	WT	G				2										X	X					X	X	X	X							24041542-026
9	G283	WT	G				2																		X								24041542-027
10	G284	WT	G				2																		X								24041542-028
11	G285	WT	G				2																		X								24041542-029
12	G301	WT	G				2										X																24041542-030
13	G302	WT	G				2										X																24041542-031
14	G303	WT	G				2										X																24041542-032
15	G305	WT	G				2										X																24041542-033
16	G306	WT	G				2										X																24041542-034

SAMPLER NAME AND SIGNATURE		DATE		TIME		SAMPLE CONDITIONS	
PRINT Name of SAMPLER:	Justin Col	DATE Signed	5-7-24	Temp in °C	Received on for (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SIGNATURE of SAMPLER:	<i>Justin Col</i>						

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WIPE WP AIR AR OTHER OT TSSUE TS		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED DATE TIME		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)		Project No./ Lab I.D.			
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104					COF-WPCP-106	COF-SUP-000
1	G307		WT	G						2		2							X								X							24041542-035			
2	G307D		WT	G						2		2							X								X							24041542-036			
3	G308		WT	G						2		2							X								X							24041542-037			
4	G310		WT	G						2		2							X								X							24041542-038			
5	G312		WT	G						2		2							X								X							24041542-039			
6	G313		WT	G						2		2							X								X							24041542-040			
7	G314		WT	G						2		2							X								X							24041542-041			
8	G314D		WT	G						2		2							X								X							24041542-042			
9	G315		WT	G						2		2							X								X							24041542-043			
10	G316		WT	G						2		2							X								X							24041542-044			
11	G401		WT	G						2		2							X								X							24041542-045			
12	G402		WT	G						2		2							X								X							24041542-046			
13	G403		WT	G						2		2							X								X							24041542-047			
14	G404		WT	G						2		2							X								X							24041542-048			
15	G405		WT	G						2		2							X								X							24041542-049			
16	G406		WT	G						2		2							X								X							24041542-050			
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																				
COF-24Q2 Rev 1 Radium reporting, only.			Daniel Cump			5/7		1602		Simon Silale			5/7/24		11002		Y Z																				

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1		Daniel Camp		5/7	1602	Sma Diale		5/7/24	1100				
Radium reporting, only.													

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

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Page: 6 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Colp				
SIGNATURE of SAMPLER:	Justin Colp				
DATE Signed (MM/DD/YY):		5-7-24			

CHAIN-OF-CUSTODY / Analytical Request Document

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

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

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106			COF-SUP-000
1	Field Blank		WT	G				2										X	X	X	X	X	X	X	X	X	X	X	X		24041542-055		
2	G102 Duplicate		WT	G				0																							N/A		
3	G200 Duplicate		WT	G	5-7-24	1253		2												X						X					24041542-056		
4	G273 Duplicate		WT	G				2													X				X						24041542-057		
5	G301 Duplicate		WT	G				2										X													24041542-058		
6	R201 Duplicate		WT	G	5/7/24	1243		2												X					X						24041542-059		
7	Equipment Blank 1		WT	G				2										X	X	X	X	X	X	X	X	X	X	X	X		24041542-060		
8	Equipment Blank 2		WT	G				2										X	X	X	X	X	X	X	X	X	X	X	X		24041542-061		
9	Equipment Blank 3		WT	G				2										X	X	X	X	X	X	X	X	X	X	X	X		24041542-062		
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Exmic Group		5-7	1602	Justin Col		5/7/24	1602				
PRINT Name of SAMPLER:						DATE Signed (MM/DD/YY):				Temp in °C			
SIGNATURE of SAMPLER:										Received on Ice (Y/N)			
										Custody Sealed Cooler (Y/N)			
										Samples Intact (Y/N)			

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bell- Michael.Bell@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name:			
Requested Due Date/TAT: 10 day		Project Number: 2285		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT Tissue TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)												Project No / Lab I.D.				
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104		COF-WPCP-106	COF-SUP-000	Residual Chlorine (Y/N)	
1	AP2D		WT	G	5-8-24	952		2																										24041542-001
2	G1001		WT	G				2																										24041542-002
3	G1003		WT	G				0																										N/A
4	G101		WT	G				0																										N/A
5	G102		WT	G				0																										N/A
6	G103		WT	G				0																										N/A
7	G105		WT	G				0																										N/A
8	G106		WT	G				0																										N/A
9	G107		WT	G				0																										N/A
10	G108		WT	G				0																										N/A
11	G109		WT	G				0																										N/A
12	G110		WT	G				0																										N/A
13	G111		WT	G				0																										N/A
14	G119		WT	G				0																										N/A
15	G120		WT	G				0																										N/A
16	G121		WT	G				0																										N/A

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		<i>Bret Gillen</i>		5-8-24	1348	<i>Rich Reed</i>		5/8/24	1348	Temp in °C: 6.2 Received on Ice (Y/N): Y Custody Sealed Cooler (Y/N): Y Samples Intact (Y/N): Y			

SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YY):
PRINT Name of SAMPLER: <i>Bret Gillen</i>		5-8-24
SIGNATURE of SAMPLER: <i>Bret Gillen</i>		

46651 m 5/8

LT6#5

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Jason Stuckey		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 134 CIPS Lane		Copy To: Sam Davies-samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang - John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Scott Bels Michael Bel@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name:		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 2285		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AIR AR OTHER OT TSSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)																Residual Chlorine (Y/N)	Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	COF-SUP-000			
1	G210	WT	G				0																											N/A
2	G211	WT	G				0																											N/A
3	G212	WT	G				2			2											X													24041542-012
4	G213	WT	G				2			2											X													24041542-013
5	G214	WT	G				0																											N/A
6	G215	WT	G				2			2											X													24041542-014
7	G216	WT	G				0																											N/A
8	G217	WT	G				2			2											X													24041542-015
9	G218	WT	G				2			2											X													24041542-016
10	G219	WT	G				2			2																						X		24041542-063
11	G220	WT	G				2			2																						X		24041542-064
12	G270	WT	G		5-8-24 940		2			2										X					X	X	X							24041542-017
13	G271	WT	G				2			2											X					X								24041542-018
14	G272	WT	G				0														X					X								N/A
15	G273	WT	G				2			2											X					X								24041542-019
16	G274	WT	G				0																											N/A

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q2 Rev 1 Radium reporting, only.		Bret Gillen		5-8-24	1348	Nick Kroll		5/8/24	1348	Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)			
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Bret Gillen SIGNATURE of SAMPLER: <i>Bret Gillen</i>													
DATE Signed (MM/DD/YY): 5-8-24													

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

Page: 6 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: Brett Gullison					
SIGNATURE OF SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 5-8-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company: **Vistra Corp-Coffeen**
Address: **134 CIPS Lane**
Coffeen, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B

Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies-samantha.davies@vistracorp.com**
John Romang - John.Romang@vistracorp.com
Scott Bell- Michael.Bell@vistracorp.com
Purchase Order No.:
Project Name:
Project Number: **2285**

Section C

Invoice Information:

Attention: **Jason Stuckey**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **7** of **7**

Section D Required Client Information										Valid Matrix Codes										Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.	
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test											Residual Chlorine (Y/N)					
				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				2		2								X	X	X	X	X	X	X	X	X	X	X	X	X	24041542-055	
2	G102 Duplicate	WT	G				0																							N/A	
3	G200 Duplicate	WT	G				2		2										X											24041542-056	
4	G273 Duplicate	WT	G				2		2																					24041542-057	
5	G301 Duplicate	WT	G				2		2								X													24041542-058	
6	R201 Duplicate	WT	G				2		2																					24041542-059	
7	Equipment Blank 1	WT	G	5-8-24	1121		2		2								X	X	X	X	X	X	X	X	X	X	X	X		24041542-060	
8	Equipment Blank 2	WT	G				2		2								X	X	X	X	X	X	X	X	X	X	X	X		24041542-061	
9	Equipment Blank 3	WT	G				2		2								X	X	X	X	X	X	X	X	X	X	X	X		24041542-062	
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q2 Rev 1 Radium reporting, only.	Brett Gillen	5-8-24	1348	Rich Reed	5/8/24	1348	> z

PRINT Name of SAMPLER: Brett Gillen	DATE Signed (MM/DD/YY): 5-8-24
SIGNATURE of SAMPLER: Brett Gillen	

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc

5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/11/2024 1:18:42 PM Revision 1

JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-1

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
6/11/2024 1:18:42 PM
Revision 1

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

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
GREEN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-54048-1

Job ID: 160-54048-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-1 Revision 1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Revision

The report being provided is a revision of the original report sent on 6/10/2024. The report (revision 1) is being revised in order to correct collection times that were inaccurate on the original chain-of-custody (COC). A revised COC is included with the revised report.

Receipt

The samples were received on 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 1 of 3.

Method 903.0 - Radium-226 (GFPC)

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
DOW CHEMICALS GREEN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-54048-1

Job ID: 160-54048-1 (Continued)

Eurofins St. Louis

Samples 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/7/2024.

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

Method 904.0 - Radium-228 (GFPC)

Samples 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/4/2024.

The detection goal was not met for the following sample due to the reduced sample volume attributed to the presence of matrix interferences: 24041542-013 (160-54048-13) . Analytical results are reported with the detection limit achieved.

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

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24041542-001 (160-54048-1), 24041542-002 (160-54048-2), 24041542-003 (160-54048-3), 24041542-004 (160-54048-4), 24041542-005 (160-54048-5), 24041542-006 (160-54048-6), 24041542-007 (160-54048-7), 24041542-008 (160-54048-8), 24041542-009 (160-54048-9), 24041542-010 (160-54048-10), 24041542-011 (160-54048-11), 24041542-012 (160-54048-12), 24041542-013 (160-54048-13), 24041542-014 (160-54048-14), 24041542-015 (160-54048-15), 24041542-016 (160-54048-16), 24041542-017 (160-54048-17), 24041542-018 (160-54048-18), 24041542-019 (160-54048-19) and 24041542-020 (160-54048-20) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/7/2024 and 6/10/2024.

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

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: QC Level: 2

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

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabinc.com

Requested Due Date:

Standad TAT

Billing/PO:

36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

EDH 5/19/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-001	5/8/24 0952	HNO3	Groundwater
	24041542-002	5/7/24 1016	HNO3	Groundwater
	24041542-003	4/30/24 1011	HNO3	Groundwater
	24041542-004	5/7/24 1115 *	HNO3	Groundwater
	24041542-005	4/30/24 1238	HNO3	Groundwater
	24041542-006	4/30/24 1201	HNO3	Groundwater
	24041542-007	4/30/24 1121	HNO3	Groundwater
	24041542-008	5/7/24 1253	HNO3	Groundwater
	24041542-009	4/30/24 1020 *	HNO3	Groundwater
	24041542-010	4/30/24 1058 *	HNO3	Groundwater
	24041542-011	5/1/24 1155	HNO3	Groundwater

Ra226/228 Radium 226 Radium 228



160-54048 Chain of Custody

*Relinquished By

5/10/24 1400
5/10/24 1500

Received By

5/10/24 1400
5/10/24 1500

Date/Time

5/10/24 1400
5/10/24 1500

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCustRevA
3-2-2016

2 of 6

TEKLAB, INC. Chain of Custody

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

Are the samples chilled?		YES	☐	NO	☒	With:	☐ Ice	☐ Blue Ice	Preserved in:	☐ Lab	☐ Field
Teklab Inc 5445 Horseshoe Lake Road Collinsville, IL 62234											
Project#		24041542			Cooler Temp:		 Sampler: Teklab Sampling Team		QC Level: 2		
Comments:						Please issue reports and invoices via email only Please analyze for Radium 226/228 per standard GW methods (Vistra project). Changes to methods must be approved by Teklab, Inc. Batch QC is required for all analyses requested. Excel EDD requested. IL site.					
Contact:		Elizabeth Hurley Standad TAT			Email:		ehurley@teklabinc.com				
Requested Due Date:					Billing/PO:		36143 Phone: 618 344-1004 ext. 33				

PLEASE NOTE:

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

[illegible]

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	5/10/24 14:00	<i>[Signature]</i>	5/10/24 14:00
<i>[Signature]</i>	5/10/24 15:00	M. P. Matte	MAY 10 2024 ISO

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team

Project# 24041542

24041542

Contact:	Elizabeth Hurley
Requested Due Date:	Standad TAT

Email:	ehurley@teklabinc.com
ing/PO:	36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NEELAP 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 NEELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-045	5/2/24 1408	HNO3	Groundwater
	24041542-046	5/6/24 1200	HNO3	Groundwater
	24041542-047	5/6/24 1028	HNO3	Groundwater
	24041542-048	5/6/24 1244	HNO3	Groundwater
	24041542-049	5/6/24 1313	HNO3	Groundwater
	24041542-050	5/6/24 1105	HNO3	Groundwater
	24041542-051	4/29/24 1452	HNO3	Groundwater
	24041542-052	4/30/24 1006 ^{10:06 AM} ~~10:06 AM~~ *	HNO3	Groundwater
	24041542-053	4/29/24 1311 ^{1:11 PM} ~~1:11 PM~~	HNO3	Groundwater
	24041542-054	5/7/24 1243	HNO3	Groundwater
	24041542-055	5/8/24 1111 ~~11:11 AM~~ *	HNO3	Aqueous

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	5/10/24 1400	<i>[Signature]</i>	5/10/24 1400
	5/10/24 1500	Mr. Pomette	MAY 10 2024 1500

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:		Sampler:	Teklab Sampling Team

QC Level: 2

Project#	24041542

Comments:

Please issue reports and invoices via email only

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

Changes to methods must be approved by Teklab, Inc.

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

ehurley@teklabinc.com

Email:

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-056	5/7/24 1253	HNO3	Groundwater
	24041542-057	5/2/24 1239	HNO3	Groundwater
	24041542-058	5/6/24 1028	HNO3	Groundwater
	24041542-059	5/7/24 1243	HNO3	Groundwater
	24041542-060	5/8/24 1424 ¹¹³⁵ ¹⁴¹⁴ ¹⁴¹⁴ *	HNO3	Aqueous
	24041542-063	5/7/24 1110	HNO3 *	Aqueous GW
	24041542-064	5/7/24 1208	HNO3 *	Aqueous GW
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

Relinquished By	Date/Time	Received By	Date/Time
Sheriff's Office	5/10/24 1400	M. Pineda	5/10/24 1400
	5/16/27 1800		

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team

QC Level:

Project#

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

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

Changes to methods must be approved by Teklab, Inc.

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

PLEASE NOTE:

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

ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-001	5/8/24 1348 0952	HNO3	Groundwater	✓														
	24041542-002	5/7/24 1016	HNO3	Groundwater	✓														
	24041542-003	4/30/24 1011	HNO3	Groundwater		✓	✓												
	24041542-004	5/7/24 1028 1115 TP * 5/16/24	HNO3	Groundwater		✓	✓												
	24041542-005	4/30/24 1238	HNO3	Groundwater		✓	✓												
	24041542-006	4/30/24 1201	HNO3	Groundwater	✓	✓	✓												
	24041542-007	4/30/24 1121	HNO3	Groundwater		✓	✓												
	24041542-008	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-009	4/30/24 1028 1058 *	HNO3	Groundwater	✓														
	24041542-010	4/30/24 1058 1028 *	HNO3	Groundwater	✓														
	24041542-011	5/1/24 1155	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
SMO Delalle			

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team

QC Level:

Project#

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standard TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

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

Changes to methods must be approved by Teklab, Inc.

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

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-012	5/1/24 0952	HNO3	Groundwater	✓														
	24041542-013	5/6/24 1429	HNO3	Groundwater	✓														
	24041542-014	4/30/24 1319	HNO3	Groundwater	✓														
	24041542-015	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-016	5/2/24 1147	HNO3	Groundwater	✓														
	24041542-017	5/8/24 0940	HNO3	Groundwater	✓														
	24041542-018	5/1/24 1337	HNO3	Groundwater	✓														
	24041542-019	5/1/24 1231	HNO3	Groundwater	✓														
	24041542-020	5/2/24 1033	HNO3	Groundwater	✓														
	24041542-021	5/2/24 0958	HNO3	Groundwater	✓														
	24041542-022	5/7/24 1145	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
Uma S. Wells			

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

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

Changes to methods must be approved by Teklab, Inc.

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

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-023	5/7/24 0940	HNO3	Groundwater	✓														
	24041542-024	5/3/24 0940	HNO3	Groundwater	✓														
	24041542-025	5/6/24 1407	HNO3	Groundwater	✓														
	24041542-026	5/3/24 1027	HNO3	Groundwater	✓														
	24041542-027	5/6/24 1100	HNO3	Groundwater	✓														
	24041542-028	5/6/24 1136	HNO3	Groundwater	✓														
	24041542-029	5/6/24 1222	HNO3	Groundwater	✓														
	24041542-030	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-031	5/6/24 1154	HNO3	Groundwater	✓														
	24041542-032	5/1/24 1049	HNO3	Groundwater	✓														
	24041542-033	5/1/24 1441	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emily Delano</i>			

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

24041542

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-034	5/1/24 1347	HNO3	Groundwater	✓														
	24041542-035	5/2/24 1432	HNO3	Groundwater	✓														
	24041542-036	5/2/24 1135	HNO3	Groundwater	✓														
	24041542-037	5/2/24 1253	HNO3	Groundwater	✓														
	24041542-038	5/3/24 0955	HNO3	Groundwater	✓														
	24041542-039	5/6/24 1329	HNO3	Groundwater	✓														
	24041542-040	5/1/24 1213	HNO3	Groundwater	✓														
	24041542-041	4/30/24 1336 1413 * ¹⁵ 5/1/24	HNO3	Groundwater	✓														
	24041542-042	4/30/24 1225 1307 *	HNO3	Groundwater	✓														
	24041542-043	5/2/24 1031	HNO3	Groundwater	✓														
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
Imogen Delall			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standard TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24041542-045	5/2/24 1406	HNO3	Groundwater	✓												
	24041542-046	5/6/24 1200	HNO3	Groundwater	✓												
	24041542-047	5/6/24 1028	HNO3	Groundwater	✓												
	24041542-048	5/6/24 1244	HNO3	Groundwater	✓												
	24041542-049	5/6/24 1313	HNO3	Groundwater	✓												
	24041542-050	5/6/24 1105	HNO3	Groundwater	✓												
	24041542-051	4/29/24 1452	HNO3	Groundwater	✓												
	24041542-052	4/30/24 1030 ^{TE} ^{SH}	HNO3	Groundwater	✓												
	24041542-053	4/29/24 1311	HNO3	Groundwater	✓												
	24041542-054	5/7/24 1243	HNO3	Groundwater	✓												
	24041542-055	5/8/24 1122 *	HNO3	Aqueous	✓	✓	✓										

*Relinquished By	Date/Time	Received By	Date/Time
<i>Elizabeth Hurley</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-056	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-057	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-058	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-059	5/7/24 1243	HNO3	Groundwater	✓														
	24041542-060	5/8/24 1424 1135 ¹⁰ _{5/9/24} *	HNO3	Aqueous	✓	✓	✓												
	24041542-063	5/7/24 1110	HNO3	* Aqueous GW	✓	✓	✓												
	24041542-064	5/7/24 1208	HNO3	* Aqueous GW	✓	✓	✓												
			HNO3	Groundwater	✓														
			HNO3	Groundwater	✓														
			HNO3	Groundwater															
			HNO3	Groundwater															

*Relinquished By	Date/Time	Received By	Date/Time
<i>Erica Delalle</i>			

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-1

SDG Number: 24041542

Login Number: 54048

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-1
COP-845-160
SDG: 24041542

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-1
SDG: 24041542

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-1
OP-845-160-54048-1
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-1	24041542-001	Water	05/08/24 09:52	05/10/24 15:00
160-54048-2	24041542-002	Water	05/07/24 10:16	05/10/24 15:00
160-54048-3	24041542-003	Water	04/30/24 10:11	05/10/24 15:00
160-54048-4	24041542-004	Water	05/07/24 11:15	05/10/24 15:00
160-54048-5	24041542-005	Water	04/30/24 12:38	05/10/24 15:00
160-54048-6	24041542-006	Water	04/30/24 12:01	05/10/24 15:00
160-54048-7	24041542-007	Water	04/30/24 11:21	05/10/24 15:00
160-54048-8	24041542-008	Water	05/07/24 12:53	05/10/24 15:00
160-54048-9	24041542-009	Water	04/30/24 10:57	05/10/24 15:00
160-54048-10	24041542-010	Water	04/30/24 10:28	05/10/24 15:00
160-54048-11	24041542-011	Water	05/01/24 12:16	05/10/24 15:00
160-54048-12	24041542-012	Water	05/01/24 09:52	05/10/24 15:00
160-54048-13	24041542-013	Water	05/06/24 14:28	05/10/24 15:00
160-54048-14	24041542-014	Water	04/30/24 13:19	05/10/24 15:00
160-54048-15	24041542-015	Water	05/02/24 12:39	05/10/24 15:00
160-54048-16	24041542-016	Water	05/02/24 11:47	05/10/24 15:00
160-54048-17	24041542-017	Water	05/08/24 09:40	05/10/24 15:00
160-54048-18	24041542-018	Water	05/01/24 13:37	05/10/24 15:00
160-54048-19	24041542-019	Water	05/01/24 12:30	05/10/24 15:00
160-54048-20	24041542-020	Water	05/02/24 10:33	05/10/24 15:00

Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-1
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-001

Lab Sample ID: 160-54048-1

Date Collected: 05/08/24 09:52

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0369	U	0.0714	0.0715	1.00	0.131	pCi/L	05/14/24 08:44	06/07/24 09:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					05/14/24 08:44	06/07/24 09:11	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.553	U	0.378	0.382	1.00	0.573	pCi/L	05/14/24 08:50	06/04/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					05/14/24 08:50	06/04/24 11:42	1
Y Carrier	83.4		30 - 110					05/14/24 08:50	06/04/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.590		0.385	0.389	5.00	0.573	pCi/L		06/07/24 16:03	1

Client Sample ID: 24041542-002

Lab Sample ID: 160-54048-2

Date Collected: 05/07/24 10:16

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.228		0.122	0.124	1.00	0.144	pCi/L	05/14/24 08:44	06/07/24 09:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/14/24 08:44	06/07/24 09:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.243	U	0.300	0.301	1.00	0.497	pCi/L	05/14/24 08:50	06/04/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/14/24 08:50	06/04/24 11:43	1
Y Carrier	86.0		30 - 110					05/14/24 08:50	06/04/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.470	U	0.324	0.326	5.00	0.497	pCi/L		06/07/24 16:03	1

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Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-1
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-003

Lab Sample ID: 160-54048-3

Date Collected: 04/30/24 10:11

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.120	U	0.103	0.104	1.00	0.151	pCi/L	05/14/24 08:44	06/07/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					05/14/24 08:44	06/07/24 09:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0677	U	0.284	0.285	1.00	0.519	pCi/L	05/14/24 08:50	06/04/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					05/14/24 08:50	06/04/24 11:43	1
Y Carrier	81.9		30 - 110					05/14/24 08:50	06/04/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.188	U	0.302	0.303	5.00	0.519	pCi/L		06/07/24 16:03	1

Client Sample ID: 24041542-004

Lab Sample ID: 160-54048-4

Date Collected: 05/07/24 11:15

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.367		0.222	0.224	1.00	0.296	pCi/L	05/14/24 08:44	06/07/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					05/14/24 08:44	06/07/24 09:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.467	U	0.499	0.501	1.00	0.809	pCi/L	05/14/24 08:50	06/04/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					05/14/24 08:50	06/04/24 11:43	1
Y Carrier	82.6		30 - 110					05/14/24 08:50	06/04/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.834		0.546	0.549	5.00	0.809	pCi/L		06/07/24 16:03	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-1
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-005

Lab Sample ID: 160-54048-5

Date Collected: 04/30/24 12:38

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0382	U	0.0839	0.0840	1.00	0.154	pCi/L	05/14/24 08:44	06/07/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/14/24 08:44	06/07/24 09:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.492	U	0.340	0.343	1.00	0.511	pCi/L	05/14/24 08:50	06/04/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/14/24 08:50	06/04/24 11:43	1
Y Carrier	87.5		30 - 110					05/14/24 08:50	06/04/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.530		0.350	0.353	5.00	0.511	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-006

Lab Sample ID: 160-54048-6

Date Collected: 04/30/24 12:01

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0399	U	0.115	0.115	1.00	0.214	pCi/L	05/14/24 08:44	06/07/24 09:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.9		30 - 110					05/14/24 08:44	06/07/24 09:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.347	U	0.362	0.363	1.00	0.585	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.9		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	83.7		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.387	U	0.380	0.381	5.00	0.585	pCi/L		06/10/24 16:14	1

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Client Sample Results

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-007

Lab Sample ID: 160-54048-7

Date Collected: 04/30/24 11:21

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.179		0.111	0.112	1.00	0.140	pCi/L	05/14/24 08:44	06/07/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/14/24 08:44	06/07/24 09:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0429	U	0.251	0.251	1.00	0.490	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	84.9		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.179	U	0.274	0.275	5.00	0.490	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-008

Lab Sample ID: 160-54048-8

Date Collected: 05/07/24 12:53

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00792	U	0.0917	0.0917	1.00	0.181	pCi/L	05/14/24 08:44	06/07/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					05/14/24 08:44	06/07/24 09:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0785	U	0.280	0.280	1.00	0.505	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.3		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	84.5		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0864	U	0.295	0.295	5.00	0.505	pCi/L		06/10/24 16:14	1

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Client Sample Results

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-009

Lab Sample ID: 160-54048-9

Date Collected: 04/30/24 10:57

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.188	U	0.148	0.149	1.00	0.224	pCi/L	05/14/24 08:44	06/07/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/14/24 08:44	06/07/24 09:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0778	U	0.270	0.270	1.00	0.491	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	81.1		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.266	U	0.308	0.308	5.00	0.491	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-010

Lab Sample ID: 160-54048-10

Date Collected: 04/30/24 10:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.236		0.153	0.154	1.00	0.214	pCi/L	05/14/24 08:44	06/07/24 09:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					05/14/24 08:44	06/07/24 09:32	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0943	U	0.282	0.282	1.00	0.505	pCi/L	05/14/24 08:50	06/04/24 11:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					05/14/24 08:50	06/04/24 11:44	1
Y Carrier	85.6		30 - 110					05/14/24 08:50	06/04/24 11:44	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.330	U	0.321	0.321	5.00	0.505	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-011

Lab Sample ID: 160-54048-11

Date Collected: 05/01/24 12:16

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.162	U	0.122	0.123	1.00	0.178	pCi/L	05/14/24 08:44	06/07/24 09:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/14/24 08:44	06/07/24 09:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.491	U	0.361	0.363	1.00	0.551	pCi/L	05/14/24 08:50	06/04/24 11:46	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/14/24 08:50	06/04/24 11:46	1
Y Carrier	86.0		30 - 110					05/14/24 08:50	06/04/24 11:46	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.653		0.381	0.383	5.00	0.551	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-012

Lab Sample ID: 160-54048-12

Date Collected: 05/01/24 09:52

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0450	U	0.107	0.107	1.00	0.195	pCi/L	05/14/24 08:44	06/07/24 09:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					05/14/24 08:44	06/07/24 09:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.03		0.435	0.445	1.00	0.560	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	80.4		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.07		0.448	0.458	5.00	0.560	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-013

Lab Sample ID: 160-54048-13

Date Collected: 05/06/24 14:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.178	U	0.187	0.187	1.00	0.295	pCi/L	05/14/24 08:44	06/07/24 09:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.5		30 - 110					05/14/24 08:44	06/07/24 09:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.541	U G	0.632	0.634	1.00	1.04	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	58.5		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	82.2		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.719	U	0.659	0.661	5.00	1.04	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-014

Lab Sample ID: 160-54048-14

Date Collected: 04/30/24 13:19

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.156	U	0.122	0.123	1.00	0.178	pCi/L	05/14/24 08:44	06/07/24 09:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					05/14/24 08:44	06/07/24 09:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0450	U	0.339	0.339	1.00	0.621	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	81.5		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.201	U	0.360	0.361	5.00	0.621	pCi/L		06/10/24 16:14	1

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Client Sample Results

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-015

Lab Sample ID: 160-54048-15

Date Collected: 05/02/24 12:39

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.106	U	0.114	0.114	1.00	0.182	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.229	U	0.378	0.379	1.00	0.645	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	82.6		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.336	U	0.395	0.396	5.00	0.645	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-016

Lab Sample ID: 160-54048-16

Date Collected: 05/02/24 11:47

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0552	U	0.0941	0.0943	1.00	0.165	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.255	U	0.315	0.316	1.00	0.522	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.5		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.7		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.311	U	0.329	0.330	5.00	0.522	pCi/L		06/10/24 16:14	1

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Client Sample Results

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-017

Lab Sample ID: 160-54048-17

Date Collected: 05/08/24 09:40

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00242	U	0.0984	0.0984	1.00	0.197	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.158	U	0.343	0.344	1.00	0.600	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.0		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.160	U	0.357	0.358	5.00	0.600	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-018

Lab Sample ID: 160-54048-18

Date Collected: 05/01/24 13:37

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0931	U	0.106	0.106	1.00	0.171	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.279	U	0.318	0.319	1.00	0.522	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.7		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.372	U	0.335	0.336	5.00	0.522	pCi/L		06/10/24 16:14	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-1
SDG: 24041542

Client Sample ID: 24041542-019

Lab Sample ID: 160-54048-19

Date Collected: 05/01/24 12:30

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.152	U	0.115	0.116	1.00	0.165	pCi/L	05/14/24 08:44	06/07/24 09:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/14/24 08:44	06/07/24 09:20	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.775		0.393	0.399	1.00	0.545	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.0		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.927		0.409	0.416	5.00	0.545	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-020

Lab Sample ID: 160-54048-20

Date Collected: 05/02/24 10:33

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0947	U	0.0882	0.0887	1.00	0.131	pCi/L	05/14/24 08:44	06/07/24 12:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/14/24 08:44	06/07/24 12:54	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.128	U	0.353	0.353	1.00	0.622	pCi/L	05/14/24 08:50	06/04/24 11:47	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/14/24 08:50	06/04/24 11:47	1
Y Carrier	83.7		30 - 110					05/14/24 08:50	06/04/24 11:47	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.223	U	0.364	0.364	5.00	0.622	pCi/L		06/10/24 16:14	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-1
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661572/1-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661572

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1367		0.0927	0.0935	1.00	0.118	pCi/L	05/14/24 08:44	06/07/24 09:11	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					05/14/24 08:44	06/07/24 09:11	1

Lab Sample ID: LCS 160-661572/2-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661572

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.879		1.11	1.00	0.140	pCi/L	87	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	95.0		30 - 110							

Lab Sample ID: 160-54048-2 DU
Matrix: Water
Analysis Batch: 665180

Client Sample ID: 24041542-002
Prep Type: Total/NA
Prep Batch: 661572

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.228		0.09253	U	0.0983	1.00	0.154	pCi/L	0.61	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	82.6		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661573/1-A
Matrix: Water
Analysis Batch: 664626

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661573

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.06289	U	0.263	0.263	1.00	0.476	pCi/L	05/14/24 08:50	06/04/24 11:42	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		30 - 110					05/14/24 08:50	06/04/24 11:42	1
Y Carrier	87.9		30 - 110					05/14/24 08:50	06/04/24 11:42	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-1
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661573/2-A
Matrix: Water
Analysis Batch: 664626

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661573

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.88	8.355		1.14	1.00	0.393	pCi/L	94	75 - 125

Carrier	LCS %Yield	LCS Qualifier	Limits
Ba Carrier	95.0		30 - 110
Y Carrier	87.5		30 - 110

Lab Sample ID: 160-54048-2 DU
Matrix: Water
Analysis Batch: 664626

Client Sample ID: 24041542-002
Prep Type: Total/NA
Prep Batch: 661573

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.243	U	0.1909	U	0.307	1.00	0.523	pCi/L	0.09	1

Carrier	DU %Yield	DU Qualifier	Limits
Ba Carrier	82.6		30 - 110
Y Carrier	88.6		30 - 110

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-1
SDG: 24041542

Rad

Prep Batch: 661572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-1	24041542-001	Total/NA	Water	PrecSep-21	
160-54048-2	24041542-002	Total/NA	Water	PrecSep-21	
160-54048-3	24041542-003	Total/NA	Water	PrecSep-21	
160-54048-4	24041542-004	Total/NA	Water	PrecSep-21	
160-54048-5	24041542-005	Total/NA	Water	PrecSep-21	
160-54048-6	24041542-006	Total/NA	Water	PrecSep-21	
160-54048-7	24041542-007	Total/NA	Water	PrecSep-21	
160-54048-8	24041542-008	Total/NA	Water	PrecSep-21	
160-54048-9	24041542-009	Total/NA	Water	PrecSep-21	
160-54048-10	24041542-010	Total/NA	Water	PrecSep-21	
160-54048-11	24041542-011	Total/NA	Water	PrecSep-21	
160-54048-12	24041542-012	Total/NA	Water	PrecSep-21	
160-54048-13	24041542-013	Total/NA	Water	PrecSep-21	
160-54048-14	24041542-014	Total/NA	Water	PrecSep-21	
160-54048-15	24041542-015	Total/NA	Water	PrecSep-21	
160-54048-16	24041542-016	Total/NA	Water	PrecSep-21	
160-54048-17	24041542-017	Total/NA	Water	PrecSep-21	
160-54048-18	24041542-018	Total/NA	Water	PrecSep-21	
160-54048-19	24041542-019	Total/NA	Water	PrecSep-21	
160-54048-20	24041542-020	Total/NA	Water	PrecSep-21	
MB 160-661572/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661572/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-2 DU	24041542-002	Total/NA	Water	PrecSep-21	

Prep Batch: 661573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-1	24041542-001	Total/NA	Water	PrecSep_0	
160-54048-2	24041542-002	Total/NA	Water	PrecSep_0	
160-54048-3	24041542-003	Total/NA	Water	PrecSep_0	
160-54048-4	24041542-004	Total/NA	Water	PrecSep_0	
160-54048-5	24041542-005	Total/NA	Water	PrecSep_0	
160-54048-6	24041542-006	Total/NA	Water	PrecSep_0	
160-54048-7	24041542-007	Total/NA	Water	PrecSep_0	
160-54048-8	24041542-008	Total/NA	Water	PrecSep_0	
160-54048-9	24041542-009	Total/NA	Water	PrecSep_0	
160-54048-10	24041542-010	Total/NA	Water	PrecSep_0	
160-54048-11	24041542-011	Total/NA	Water	PrecSep_0	
160-54048-12	24041542-012	Total/NA	Water	PrecSep_0	
160-54048-13	24041542-013	Total/NA	Water	PrecSep_0	
160-54048-14	24041542-014	Total/NA	Water	PrecSep_0	
160-54048-15	24041542-015	Total/NA	Water	PrecSep_0	
160-54048-16	24041542-016	Total/NA	Water	PrecSep_0	
160-54048-17	24041542-017	Total/NA	Water	PrecSep_0	
160-54048-18	24041542-018	Total/NA	Water	PrecSep_0	
160-54048-19	24041542-019	Total/NA	Water	PrecSep_0	
160-54048-20	24041542-020	Total/NA	Water	PrecSep_0	
MB 160-661573/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661573/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-2 DU	24041542-002	Total/NA	Water	PrecSep_0	

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Job ID: 160-54048-1
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-54048-1	24041542-001	91.3					
160-54048-2	24041542-002	91.0					
160-54048-2 DU	24041542-002	82.6					
160-54048-3	24041542-003	87.8					
160-54048-4	24041542-004	75.4					
160-54048-5	24041542-005	89.8					
160-54048-6	24041542-006	76.9					
160-54048-7	24041542-007	91.8					
160-54048-8	24041542-008	92.3					
160-54048-9	24041542-009	89.8					
160-54048-10	24041542-010	89.1					
160-54048-11	24041542-011	90.0					
160-54048-12	24041542-012	84.6					
160-54048-13	24041542-013	58.5					
160-54048-14	24041542-014	83.3					
160-54048-15	24041542-015	82.6					
160-54048-16	24041542-016	90.5					
160-54048-17	24041542-017	83.8					
160-54048-18	24041542-018	90.3					
160-54048-19	24041542-019	89.6					
160-54048-20	24041542-020	89.3					
LCS 160-661572/2-A	Lab Control Sample	95.0					
MB 160-661572/1-A	Method Blank	96.8					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-54048-1	24041542-001	91.3	83.4				
160-54048-2	24041542-002	91.0	86.0				
160-54048-2 DU	24041542-002	82.6	88.6				
160-54048-3	24041542-003	87.8	81.9				
160-54048-4	24041542-004	75.4	82.6				
160-54048-5	24041542-005	89.8	87.5				
160-54048-6	24041542-006	76.9	83.7				
160-54048-7	24041542-007	91.8	84.9				
160-54048-8	24041542-008	92.3	84.5				
160-54048-9	24041542-009	89.8	81.1				
160-54048-10	24041542-010	89.1	85.6				
160-54048-11	24041542-011	90.0	86.0				
160-54048-12	24041542-012	84.6	80.4				
160-54048-13	24041542-013	58.5	82.2				
160-54048-14	24041542-014	83.3	81.5				
160-54048-15	24041542-015	82.6	82.6				
160-54048-16	24041542-016	90.5	83.7				

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Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-1
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Yield (Acceptance Limits)

Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-54048-17	24041542-017	83.8	83.0
160-54048-18	24041542-018	90.3	83.7
160-54048-19	24041542-019	89.6	83.0
160-54048-20	24041542-020	89.3	83.7
LCS 160-661573/2-A	Lab Control Sample	95.0	87.5
MB 160-661573/1-A	Method Blank	96.8	87.9

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/11/2024 10:24:14 AM

JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-2

Job Notes

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
DOWHEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-2

Job ID: 160-54048-2

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt

The samples were received on 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 2 of 3.

Method 903.0 - Radium-226 (GFPC)

Samples 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Radium-226 (GFPC). The samples were prepared on 5/14/2024 and analyzed

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
GREEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-2

Job ID: 160-54048-2 (Continued)

Eurofins St. Louis

on 6/10/2024.

The following sample(s) were prepared at a reduced aliquot due to matrix. The samples were yellow. 24041542-021 (160-54048-21), 24041542-026 (160-54048-26), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)

Samples 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/14/2024 and analyzed on 6/5/2024.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24041542-026 (160-54048-26) and 24041542-034 (160-54048-34) . Analytical results are reported with the detection limit achieved.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24041542-021 (160-54048-21), 24041542-022 (160-54048-22), 24041542-023 (160-54048-23), 24041542-024 (160-54048-24), 24041542-025 (160-54048-25), 24041542-026 (160-54048-26), 24041542-027 (160-54048-27), 24041542-028 (160-54048-28), 24041542-029 (160-54048-29), 24041542-030 (160-54048-30), 24041542-031 (160-54048-31), 24041542-032 (160-54048-32), 24041542-033 (160-54048-33), 24041542-034 (160-54048-34), 24041542-035 (160-54048-35), 24041542-036 (160-54048-36), 24041542-037 (160-54048-37), 24041542-038 (160-54048-38), 24041542-039 (160-54048-39) and 24041542-040 (160-54048-40) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/10/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: Teklab Sampling TeamQC Level: 2

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabin.com

Requested Due Date:

Standad TAT

Billing/PO:

36143

Phone:

618 344-1004 ext. 33

Comments: **Please issue reports and invoices via email only**

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

EDH 5/19/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-001	5/8/24 0952	HNO3	Groundwater
	24041542-002	5/7/24 1016	HNO3	Groundwater
	24041542-003	4/30/24 1011	HNO3	Groundwater
	24041542-004	5/7/24 1115 *	HNO3	Groundwater
	24041542-005	4/30/24 1238	HNO3	Groundwater
	24041542-006	4/30/24 1201	HNO3	Groundwater
	24041542-007	4/30/24 1121	HNO3	Groundwater
	24041542-008	5/7/24 1253	HNO3	Groundwater
	24041542-009	4/30/24 1020 *	HNO3	Groundwater
	24041542-010	4/30/24 1058 *	HNO3	Groundwater
	24041542-011	5/1/24 1155	HNO3	Groundwater

Ra226/228 Radium 226 Radium 228



160-54048 Chain of Custody

*Relinquished By

5/10/24 1400
5/10/24 1500

Received By

5/10/24 1400
5/10/24 1500

Date/Time

5/10/24 1400
5/10/24 1500

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCustRevA
3-2-2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team

Project#

24041542

Contact:

Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date:

Standad TAT

Billing/PO: 36143

36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-012	5/1/24 0952	HNO3	Groundwater
	24041542-013	5/6/24 1429	HNO3	Groundwater
	24041542-014	4/30/24 1319	HNO3	Groundwater
	24041542-015	5/2/24 1239	HNO3	Groundwater
	24041542-016	5/2/24 1147	HNO3	Groundwater
	24041542-017	5/8/24 0940	HNO3	Groundwater
	24041542-018	5/1/24 1337	HNO3	Groundwater
	24041542-019	5/1/24 1231	HNO3	Groundwater
	24041542-020	5/2/24 1033	HNO3	Groundwater
	24041542-021	5/2/24 0958	HNO3	Groundwater
	24041542-022	5/7/24 1145	HNO3	Groundwater

Radium 226 Radium 228 Ra226/228

***Relinquished By**

Date/Time

Received By

Date/Time /

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 Sampling Team

Project#	24041542

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per standard GW methods (Vistra project).
	Changes to methods must be approved by Teklab, Inc.
	Batch QC is required for all analyses requested. Excel EDO requested. IL site.

Contact:	Elizabeth Hurley	Email:	ehurley@teklabinc.com
Requested Due Date:	Standard TAT	Billing/PO:	36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-045	5/2/24 1408	HNO3	Groundwater
	24041542-046	5/6/24 1200	HNO3	Groundwater
	24041542-047	5/6/24 1028	HNO3	Groundwater
	24041542-048	5/6/24 1244	HNO3	Groundwater
	24041542-049	5/6/24 1313	HNO3	Groundwater
	24041542-050	5/6/24 1105	HNO3	Groundwater
	24041542-051	4/29/24 1452	HNO3	Groundwater
	24041542-052	4/30/24 1008 ^{TE} _{10/3/24} ^{10/3/24} _{11/1/24}	HNO3	Groundwater
	24041542-053	4/29/24 1311	HNO3	Groundwater
	24041542-054	5/7/24 1243	HNO3	Groundwater
	24041542-055	5/8/24 1111 ^{11/1/24}	HNO3	Aqueous

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	5/10/24 1400	<i>[Signature]</i>	5/10/24 1400
<i>[Signature]</i>	5/10/24 1500	M. Pomette	MAY 10 2024 1500

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:		Sampler:	Teklab Sampling Team

QC Level: 2

Project#	24041542

ehurley@teklabinc.com

Contact: Elizabeth Hurley

Email:

Requested Due Date:

Billing/PQ.	36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NE LAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NE LAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-056	5/7/24 1253	HNO3	Groundwater
	24041542-057	5/2/24 1239	HNO3	Groundwater
	24041542-058	5/6/24 1028	HNO3	Groundwater
	24041542-059	5/7/24 1243	HNO3	Groundwater
	24041542-060	5/8/24 1424 ¹³⁵ ₁₄₁₄	HNO3	Aqueous
	24041542-063	5/7/24 1110	HNO3	* Aqueous GW
	24041542-064	5/7/24 1208	HNO3	* Aqueous GW
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

Relinquished By	Date/Time	Received By	Date/Time
Subodh Kulkarni	5/16/24 14:02	Mr. Pradip	5/16/24 14:00
	5/16/24 13:22		MAY 10 2024 15:22

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standat TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

ERH 5/9/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-001	5/8/24 1348 0952	HNO3	Groundwater	✓														
	24041542-002	5/7/24 1016	HNO3	Groundwater	✓														
	24041542-003	4/30/24 1011	HNO3	Groundwater		✓	✓												
	24041542-004	5/7/24 1020 1115 TP * 5/16/24	HNO3	Groundwater		✓	✓												
	24041542-005	4/30/24 1238	HNO3	Groundwater		✓	✓												
	24041542-006	4/30/24 1201	HNO3	Groundwater	✓	✓	✓												
	24041542-007	4/30/24 1121	HNO3	Groundwater		✓	✓												
	24041542-008	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-009	4/30/24 1020 1058 *	HNO3	Groundwater	✓														
	24041542-010	4/30/24 1058 1028 *	HNO3	Groundwater	✓														
	24041542-011	5/1/24 1155	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
SMO Delalle			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-012	5/1/24 0952	HNO3	Groundwater	✓														
	24041542-013	5/6/24 1429	HNO3	Groundwater	✓														
	24041542-014	4/30/24 1319	HNO3	Groundwater	✓														
	24041542-015	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-016	5/2/24 1147	HNO3	Groundwater	✓														
	24041542-017	5/8/24 0940	HNO3	Groundwater	✓														
	24041542-018	5/1/24 1337	HNO3	Groundwater	✓														
	24041542-019	5/1/24 1231	HNO3	Groundwater	✓														
	24041542-020	5/2/24 1033	HNO3	Groundwater	✓														
	24041542-021	5/2/24 0958	HNO3	Groundwater	✓														
	24041542-022	5/7/24 1145	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Uma S. Wells</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-023	5/7/24 0940	HNO3	Groundwater	☒														
	24041542-024	5/3/24 0940	HNO3	Groundwater	☒														
	24041542-025	5/6/24 1407	HNO3	Groundwater	☒														
	24041542-026	5/3/24 1027	HNO3	Groundwater	☒														
	24041542-027	5/6/24 1100	HNO3	Groundwater	☒														
	24041542-028	5/6/24 1136	HNO3	Groundwater	☒														
	24041542-029	5/6/24 1222	HNO3	Groundwater	☒														
	24041542-030	5/6/24 1028	HNO3	Groundwater	☒														
	24041542-031	5/6/24 1154	HNO3	Groundwater	☒														
	24041542-032	5/1/24 1049	HNO3	Groundwater	☒														
	24041542-033	5/1/24 1441	HNO3	Groundwater	☒														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emily Delaney</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project# 24041542

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standard TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-034	5/1/24 1347	HNO3	Groundwater	✓														
	24041542-035	5/2/24 1432	HNO3	Groundwater	✓														
	24041542-036	5/2/24 1135	HNO3	Groundwater	✓														
	24041542-037	5/2/24 1253	HNO3	Groundwater	✓														
	24041542-038	5/3/24 0955	HNO3	Groundwater	✓														
	24041542-039	5/6/24 1329	HNO3	Groundwater	✓														
	24041542-040	5/1/24 1213	HNO3	Groundwater	✓														
	24041542-041	4/30/24 1336 1413 * 1225 1307 *	HNO3	Groundwater	✓														
	24041542-042	4/30/24 1225 1307 *	HNO3	Groundwater	✓														
	24041542-043	5/2/24 1031	HNO3	Groundwater	✓														
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
Imogen Delall			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standard TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24041542-045	5/2/24 1406	HNO3	Groundwater	✓												
	24041542-046	5/6/24 1200	HNO3	Groundwater	✓												
	24041542-047	5/6/24 1028	HNO3	Groundwater	✓												
	24041542-048	5/6/24 1244	HNO3	Groundwater	✓												
	24041542-049	5/6/24 1313	HNO3	Groundwater	✓												
	24041542-050	5/6/24 1105	HNO3	Groundwater	✓												
	24041542-051	4/29/24 1452	HNO3	Groundwater	✓												
	24041542-052	4/30/24 1030 ^{TE} ^{SH}	HNO3	Groundwater	✓												
	24041542-053	4/29/24 1311	HNO3	Groundwater	✓												
	24041542-054	5/7/24 1243	HNO3	Groundwater	✓												
	24041542-055	5/8/24 1122 *	HNO3	Aqueous	✓	✓	✓										

*Relinquished By	Date/Time	Received By	Date/Time
<i>Elizabeth Hurley</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level:

Project#

Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-056	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-057	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-058	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-059	5/7/24 1243	HNO3	Groundwater	✓														
	24041542-060	5/8/24 1424 1135 ¹⁰ _{5/9/24} *	HNO3	Aqueous	✓	✓	✓												
	24041542-063	5/7/24 1110	HNO3	* Aqueous GW	✓	✓	✓												
	24041542-064	5/7/24 1208	HNO3	* Aqueous GW	✓	✓	✓												
			HNO3	Groundwater	✓														
			HNO3	Groundwater	✓														
			HNO3	Groundwater															
			HNO3	Groundwater															

*Relinquished By	Date/Time	Received By	Date/Time
<i>Erica Delalle</i>			

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-2

SDG Number: 24041542

Login Number: 54048

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
COP-845-168
SDG: 24041542

Qualifiers

Rad

Qualifier	Qualifier Description
G	The Sample MDC is greater than the requested RL.
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-21	24041542-021	Water	05/02/24 09:58	05/10/24 15:00
160-54048-22	24041542-022	Water	05/07/24 11:45	05/10/24 15:00
160-54048-23	24041542-023	Water	05/07/24 09:40	05/10/24 15:00
160-54048-24	24041542-024	Water	05/03/24 09:40	05/10/24 15:00
160-54048-25	24041542-025	Water	05/06/24 14:07	05/10/24 15:00
160-54048-26	24041542-026	Water	05/03/24 10:27	05/10/24 15:00
160-54048-27	24041542-027	Water	05/06/24 10:59	05/10/24 15:00
160-54048-28	24041542-028	Water	05/06/24 11:36	05/10/24 15:00
160-54048-29	24041542-029	Water	05/06/24 12:22	05/10/24 15:00
160-54048-30	24041542-030	Water	05/06/24 10:28	05/10/24 15:00
160-54048-31	24041542-031	Water	05/06/24 11:54	05/10/24 15:00
160-54048-32	24041542-032	Water	05/01/24 10:49	05/10/24 15:00
160-54048-33	24041542-033	Water	05/01/24 14:41	05/10/24 15:00
160-54048-34	24041542-034	Water	05/01/24 13:47	05/10/24 15:00
160-54048-35	24041542-035	Water	05/02/24 14:32	05/10/24 15:00
160-54048-36	24041542-036	Water	05/02/24 11:35	05/10/24 15:00
160-54048-37	24041542-037	Water	05/02/24 12:53	05/10/24 15:00
160-54048-38	24041542-038	Water	05/03/24 09:55	05/10/24 15:00
160-54048-39	24041542-039	Water	05/06/24 13:29	05/10/24 15:00
160-54048-40	24041542-040	Water	05/01/24 12:13	05/10/24 15:00

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- 2
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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-021

Lab Sample ID: 160-54048-21

Date Collected: 05/02/24 09:58

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.347		0.185	0.188	1.00	0.237	pCi/L	05/14/24 08:55	06/10/24 10:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		30 - 110					05/14/24 08:55	06/10/24 10:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.02		0.625	0.632	1.00	0.907	pCi/L	05/14/24 08:58	06/05/24 16:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	73.4		30 - 110					05/14/24 08:58	06/05/24 16:23	1
Y Carrier	83.0		30 - 110					05/14/24 08:58	06/05/24 16:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.37		0.652	0.659	5.00	0.907	pCi/L		06/10/24 16:14	1

Client Sample ID: 24041542-022

Lab Sample ID: 160-54048-22

Date Collected: 05/07/24 11:45

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0345	U	0.0739	0.0740	1.00	0.136	pCi/L	05/14/24 08:55	06/10/24 10:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					05/14/24 08:55	06/10/24 10:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.750		0.478	0.483	1.00	0.700	pCi/L	05/14/24 08:58	06/05/24 16:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.4		30 - 110					05/14/24 08:58	06/05/24 16:23	1
Y Carrier	74.8		30 - 110					05/14/24 08:58	06/05/24 16:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.785		0.484	0.489	5.00	0.700	pCi/L		06/10/24 16:14	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-2
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-023

Lab Sample ID: 160-54048-23

Date Collected: 05/07/24 09:40

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0358	U	0.0822	0.0823	1.00	0.150	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.330	U	0.275	0.277	1.00	0.625	pCi/L	05/14/24 08:58	06/05/24 16:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					05/14/24 08:58	06/05/24 16:23	1
Y Carrier	81.1		30 - 110					05/14/24 08:58	06/05/24 16:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0358	U	0.287	0.289	5.00	0.625	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-024

Lab Sample ID: 160-54048-24

Date Collected: 05/03/24 09:40

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.141	U	0.102	0.103	1.00	0.144	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.367	U	0.415	0.417	1.00	0.681	pCi/L	05/14/24 08:58	06/05/24 16:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.1		30 - 110					05/14/24 08:58	06/05/24 16:23	1
Y Carrier	78.1		30 - 110					05/14/24 08:58	06/05/24 16:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.508	U	0.427	0.430	5.00	0.681	pCi/L		06/10/24 17:34	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-025

Lab Sample ID: 160-54048-25

Date Collected: 05/06/24 14:07

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.110	U	0.109	0.109	1.00	0.170	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.619	U	0.467	0.470	1.00	0.710	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	69.7		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	80.4		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.729		0.480	0.482	5.00	0.710	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-026

Lab Sample ID: 160-54048-26

Date Collected: 05/03/24 10:27

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.151	U	0.165	0.166	1.00	0.266	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	67.7		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.107	U G	0.569	0.570	1.00	1.12	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	67.7		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	66.5		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.151	U	0.592	0.594	5.00	1.12	pCi/L		06/10/24 17:34	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-2
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-027

Lab Sample ID: 160-54048-27

Date Collected: 05/06/24 10:59

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.317		0.155	0.158	1.00	0.181	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	61.2		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.17		0.618	0.627	1.00	0.874	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	61.2		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	80.7		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.49		0.637	0.647	5.00	0.874	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-028

Lab Sample ID: 160-54048-28

Date Collected: 05/06/24 11:36

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.102	U	0.0898	0.0902	1.00	0.132	pCi/L	05/14/24 08:55	06/10/24 10:30	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.1		30 - 110					05/14/24 08:55	06/10/24 10:30	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.372	U	0.416	0.417	1.00	0.680	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.1		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	79.6		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.474	U	0.426	0.427	5.00	0.680	pCi/L		06/10/24 17:34	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-029

Lab Sample ID: 160-54048-29

Date Collected: 05/06/24 12:22

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.297		0.121	0.124	1.00	0.121	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.928		0.423	0.432	1.00	0.566	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.3		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	84.5		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.22		0.440	0.449	5.00	0.566	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-030

Lab Sample ID: 160-54048-30

Date Collected: 05/06/24 10:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0973	U	0.103	0.104	1.00	0.165	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0407	U	0.303	0.303	1.00	0.586	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	83.7		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0973	U	0.320	0.320	5.00	0.586	pCi/L		06/10/24 17:34	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-031

Lab Sample ID: 160-54048-31

Date Collected: 05/06/24 11:54

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.156		0.103	0.104	1.00	0.139	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.535	U	0.414	0.417	1.00	0.634	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.6		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	81.5		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.691		0.427	0.430	5.00	0.634	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-032

Lab Sample ID: 160-54048-32

Date Collected: 05/01/24 10:49

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0391	U	0.0854	0.0855	1.00	0.155	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.443	U	0.413	0.415	1.00	0.660	pCi/L	05/14/24 08:58	06/05/24 16:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					05/14/24 08:58	06/05/24 16:24	1
Y Carrier	83.0		30 - 110					05/14/24 08:58	06/05/24 16:24	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.482	U	0.422	0.424	5.00	0.660	pCi/L		06/10/24 17:34	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-033

Lab Sample ID: 160-54048-33

Date Collected: 05/01/24 14:41

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0516	U	0.0671	0.0673	1.00	0.112	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.560	U	0.454	0.457	1.00	0.716	pCi/L	05/14/24 08:58	06/05/24 16:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.5		30 - 110					05/14/24 08:58	06/05/24 16:25	1
Y Carrier	80.7		30 - 110					05/14/24 08:58	06/05/24 16:25	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.612	U	0.459	0.462	5.00	0.716	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-034

Lab Sample ID: 160-54048-34

Date Collected: 05/01/24 13:47

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0856	U	0.165	0.165	1.00	0.292	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	57.7		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.534	U G	0.611	0.613	1.00	1.27	pCi/L	05/14/24 08:58	06/05/24 16:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	57.7		30 - 110					05/14/24 08:58	06/05/24 16:18	1
Y Carrier	83.4		30 - 110					05/14/24 08:58	06/05/24 16:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0856	U	0.633	0.635	5.00	1.27	pCi/L		06/10/24 17:34	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-035

Lab Sample ID: 160-54048-35

Date Collected: 05/02/24 14:32

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.262	U	0.196	0.198	1.00	0.293	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.6		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.10		0.631	0.639	1.00	0.901	pCi/L	05/14/24 08:58	06/05/24 16:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.6		30 - 110					05/14/24 08:58	06/05/24 16:18	1
Y Carrier	81.1		30 - 110					05/14/24 08:58	06/05/24 16:18	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.36		0.661	0.669	5.00	0.901	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-036

Lab Sample ID: 160-54048-36

Date Collected: 05/02/24 11:35

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.170	U	0.120	0.121	1.00	0.173	pCi/L	05/14/24 08:55	06/10/24 10:31	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/14/24 08:55	06/10/24 10:31	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.204	U	0.353	0.353	1.00	0.604	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	78.9		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.374	U	0.373	0.373	5.00	0.604	pCi/L		06/10/24 17:34	1

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Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-2
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-037

Lab Sample ID: 160-54048-37

Date Collected: 05/02/24 12:53

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139	U	0.105	0.105	1.00	0.153	pCi/L	05/14/24 08:55	06/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					05/14/24 08:55	06/10/24 10:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.580		0.387	0.391	1.00	0.576	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.8		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	85.2		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.718		0.401	0.405	5.00	0.576	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-038

Lab Sample ID: 160-54048-38

Date Collected: 05/03/24 09:55

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0204	U	0.0708	0.0709	1.00	0.153	pCi/L	05/14/24 08:55	06/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/14/24 08:55	06/10/24 10:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.470	U	0.377	0.380	1.00	0.583	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	76.3		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.470	U	0.384	0.387	5.00	0.583	pCi/L		06/10/24 17:34	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Client Sample ID: 24041542-039

Lab Sample ID: 160-54048-39

Date Collected: 05/06/24 13:29

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.103	U	0.0897	0.0901	1.00	0.136	pCi/L	05/14/24 08:55	06/10/24 10:25	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/14/24 08:55	06/10/24 10:25	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.240	U	0.316	0.316	1.00	0.527	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	84.9		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.343	U	0.328	0.329	5.00	0.527	pCi/L		06/10/24 17:34	1

Client Sample ID: 24041542-040

Lab Sample ID: 160-54048-40

Date Collected: 05/01/24 12:13

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0482	U	0.0860	0.0861	1.00	0.151	pCi/L	05/14/24 08:55	06/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					05/14/24 08:55	06/10/24 10:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0442	U	0.327	0.327	1.00	0.596	pCi/L	05/14/24 08:58	06/05/24 16:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.3		30 - 110					05/14/24 08:58	06/05/24 16:19	1
Y Carrier	81.5		30 - 110					05/14/24 08:58	06/05/24 16:19	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0924	U	0.338	0.338	5.00	0.596	pCi/L		06/10/24 17:34	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661574/1-A
Matrix: Water
Analysis Batch: 665297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661574

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.02627	U	0.0511	0.0512	1.00	0.0945	pCi/L	05/14/24 08:55	06/10/24 10:14	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					05/14/24 08:55	06/10/24 10:14	1

Lab Sample ID: LCS 160-661574/2-A
Matrix: Water
Analysis Batch: 665297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661574

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	8.937		0.989	1.00	0.101	pCi/L	79	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	91.3		30 - 110							

Lab Sample ID: 160-54048-24 DU
Matrix: Water
Analysis Batch: 665614

Client Sample ID: 24041542-024
Prep Type: Total/NA
Prep Batch: 661574

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.141	U	0.2518		0.128	1.00	0.155	pCi/L	0.48	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	86.1		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661575/1-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661575

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.4035	U	0.358	0.360	1.00	0.567	pCi/L	05/14/24 08:58	06/05/24 16:22	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.5		30 - 110					05/14/24 08:58	06/05/24 16:22	1
Y Carrier	85.2		30 - 110					05/14/24 08:58	06/05/24 16:22	1

QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661575/2-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661575

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.88	9.382		1.31	1.00	0.584	pCi/L	106	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	91.3		30 - 110									
Y Carrier	80.7		30 - 110									

Lab Sample ID: 160-54048-24 DU
Matrix: Water
Analysis Batch: 664836

Client Sample ID: 24041542-024
Prep Type: Total/NA
Prep Batch: 661575

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit		RER	RER Limit
Radium-228	0.367	U		0.4117	U	0.381	1.00	0.600	pCi/L		0.06	1
	DU	DU										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	86.1		30 - 110									
Y Carrier	74.4		30 - 110									

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-2
SDG: 24041542

Rad

Prep Batch: 661574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-21	24041542-021	Total/NA	Water	PrecSep-21	
160-54048-22	24041542-022	Total/NA	Water	PrecSep-21	
160-54048-23	24041542-023	Total/NA	Water	PrecSep-21	
160-54048-24	24041542-024	Total/NA	Water	PrecSep-21	
160-54048-25	24041542-025	Total/NA	Water	PrecSep-21	
160-54048-26	24041542-026	Total/NA	Water	PrecSep-21	
160-54048-27	24041542-027	Total/NA	Water	PrecSep-21	
160-54048-28	24041542-028	Total/NA	Water	PrecSep-21	
160-54048-29	24041542-029	Total/NA	Water	PrecSep-21	
160-54048-30	24041542-030	Total/NA	Water	PrecSep-21	
160-54048-31	24041542-031	Total/NA	Water	PrecSep-21	
160-54048-32	24041542-032	Total/NA	Water	PrecSep-21	
160-54048-33	24041542-033	Total/NA	Water	PrecSep-21	
160-54048-34	24041542-034	Total/NA	Water	PrecSep-21	
160-54048-35	24041542-035	Total/NA	Water	PrecSep-21	
160-54048-36	24041542-036	Total/NA	Water	PrecSep-21	
160-54048-37	24041542-037	Total/NA	Water	PrecSep-21	
160-54048-38	24041542-038	Total/NA	Water	PrecSep-21	
160-54048-39	24041542-039	Total/NA	Water	PrecSep-21	
160-54048-40	24041542-040	Total/NA	Water	PrecSep-21	
MB 160-661574/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661574/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-24 DU	24041542-024	Total/NA	Water	PrecSep-21	

Prep Batch: 661575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-21	24041542-021	Total/NA	Water	PrecSep_0	
160-54048-22	24041542-022	Total/NA	Water	PrecSep_0	
160-54048-23	24041542-023	Total/NA	Water	PrecSep_0	
160-54048-24	24041542-024	Total/NA	Water	PrecSep_0	
160-54048-25	24041542-025	Total/NA	Water	PrecSep_0	
160-54048-26	24041542-026	Total/NA	Water	PrecSep_0	
160-54048-27	24041542-027	Total/NA	Water	PrecSep_0	
160-54048-28	24041542-028	Total/NA	Water	PrecSep_0	
160-54048-29	24041542-029	Total/NA	Water	PrecSep_0	
160-54048-30	24041542-030	Total/NA	Water	PrecSep_0	
160-54048-31	24041542-031	Total/NA	Water	PrecSep_0	
160-54048-32	24041542-032	Total/NA	Water	PrecSep_0	
160-54048-33	24041542-033	Total/NA	Water	PrecSep_0	
160-54048-34	24041542-034	Total/NA	Water	PrecSep_0	
160-54048-35	24041542-035	Total/NA	Water	PrecSep_0	
160-54048-36	24041542-036	Total/NA	Water	PrecSep_0	
160-54048-37	24041542-037	Total/NA	Water	PrecSep_0	
160-54048-38	24041542-038	Total/NA	Water	PrecSep_0	
160-54048-39	24041542-039	Total/NA	Water	PrecSep_0	
160-54048-40	24041542-040	Total/NA	Water	PrecSep_0	
MB 160-661575/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661575/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-24 DU	24041542-024	Total/NA	Water	PrecSep_0	

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Job ID: 160-54048-2
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-54048-21	24041542-021	73.4					
160-54048-22	24041542-022	76.4					
160-54048-23	24041542-023	82.3					
160-54048-24	24041542-024	81.1					
160-54048-24 DU	24041542-024	86.1					
160-54048-25	24041542-025	69.7					
160-54048-26	24041542-026	67.7					
160-54048-27	24041542-027	61.2					
160-54048-28	24041542-028	79.1					
160-54048-29	24041542-029	86.3					
160-54048-30	24041542-030	85.1					
160-54048-31	24041542-031	79.6					
160-54048-32	24041542-032	88.8					
160-54048-33	24041542-033	94.5					
160-54048-34	24041542-034	57.7					
160-54048-35	24041542-035	71.6					
160-54048-36	24041542-036	90.3					
160-54048-37	24041542-037	83.8					
160-54048-38	24041542-038	89.3					
160-54048-39	24041542-039	91.5					
160-54048-40	24041542-040	91.3					
LCS 160-661574/2-A	Lab Control Sample	91.3					
MB 160-661574/1-A	Method Blank	92.5					
Tracer/Carrier Legend							
Ba = Ba Carrier							

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-54048-21	24041542-021	73.4	83.0				
160-54048-22	24041542-022	76.4	74.8				
160-54048-23	24041542-023	82.3	81.1				
160-54048-24	24041542-024	81.1	78.1				
160-54048-24 DU	24041542-024	86.1	74.4				
160-54048-25	24041542-025	69.7	80.4				
160-54048-26	24041542-026	67.7	66.5				
160-54048-27	24041542-027	61.2	80.7				
160-54048-28	24041542-028	79.1	79.6				
160-54048-29	24041542-029	86.3	84.5				
160-54048-30	24041542-030	85.1	83.7				
160-54048-31	24041542-031	79.6	81.5				
160-54048-32	24041542-032	88.8	83.0				
160-54048-33	24041542-033	94.5	80.7				
160-54048-34	24041542-034	57.7	83.4				
160-54048-35	24041542-035	71.6	81.1				
160-54048-36	24041542-036	90.3	78.9				

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Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-2
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-54048-37	24041542-037	83.8	85.2
160-54048-38	24041542-038	89.3	76.3
160-54048-39	24041542-039	91.5	84.9
160-54048-40	24041542-040	91.3	81.5
LCS 160-661575/2-A	Lab Control Sample	91.3	80.7
MB 160-661575/1-A	Method Blank	92.5	85.2

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 6/13/2024 11:46:51 AM

JOB DESCRIPTION

Radium-226 and Radium-228
24041542

JOB NUMBER

160-54048-3

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



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Authorized for release by
Erika Jordan, Project Manager
erika.jordan@et.eurofinsus.com
(314)298-8566

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
DOWNEN POWER PLANT, GMF GYPSUM STACK POND
C-068454048-3

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-3

Job ID: 160-54048-3

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24041542

Report Number: 160-54048-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition, all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method.

Eurofins Environment Testing attests to the validity of the laboratory data generated by Eurofins facilities reported herein. All analyses performed by Eurofins Environment Testing facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. Eurofins Environment Testing's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Calculations are performed before rounding to avoid round-off errors in calculated results.

Proper preservation was noted for the methods performed on these samples, unless otherwise detailed below.

Any minimum detectable concentration (MDC), critical value (DLC), or Safe Drinking Water Act detection limit (SDWA DL) is sample-specific unless otherwise stated elsewhere in this narrative.

Radiochemistry sample results are reported with the count date/time applied as the Activity Reference Date.

The matrix for the Method Blank and LCS/LCSD is as close to the samples as can be reasonably achieved. Detailed information can be found in the most current revision of the associated SOP.

The method blank (MB) z-score is within limits, unless stated otherwise below.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.

Reference the chain of custody and receipt report for any variations on receipt conditions.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

Receipt

The samples were received on 5/10/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 18.0°C, 18.4°C, 18.4°C, 18.5°C, 18.9°C, 19.1°C and 19.7°C.

Client provided updated chain-of-custody (COC) to correct sample collection times; 24041542-009, -013, -019, and -027. The original COC will be retained and issued with the report to capture receipt signatures.

Due to the large number of samples submitted, the job was split into 3 three series. This report is series 3 of 3.

Method 903.0 - Radium-226 (GFPC)

Samples 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Radium-226 (GFPC). The

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
GREEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project: Radium-226 and Radium-228

Job ID: 160-54048-3

Job ID: 160-54048-3 (Continued)

Eurofins St. Louis

samples were prepared on 5/15/2024 and analyzed on 6/7/2024 and 6/11/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method 904.0 - Radium-228 (GFPC)

Samples 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Radium-228 (GFPC). The samples were prepared on 5/15/2024 and analyzed on 6/5/2024 and 6/6/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24041542-041 (160-54048-41), 24041542-042 (160-54048-42), 24041542-043 (160-54048-43), 24041542-044 (160-54048-44), 24041542-045 (160-54048-45), 24041542-046 (160-54048-46), 24041542-047 (160-54048-47), 24041542-048 (160-54048-48), 24041542-049 (160-54048-49), 24041542-050 (160-54048-50), 24041542-051 (160-54048-51), 24041542-052 (160-54048-52), 24041542-053 (160-54048-53), 24041542-054 (160-54048-54), 24041542-055 (160-54048-55), 24041542-056 (160-54048-56), 24041542-057 (160-54048-57), 24041542-058 (160-54048-58), 24041542-059 (160-54048-59), 24041542-060 (160-54048-60), 24041542-063 (160-54048-61) and 24041542-064 (160-54048-62) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 6/13/2024.

No analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice ☐ Preserved in: ☐ Lab ☐ Field

Teklab Inc5445 Horseshoe Lake Road
Collinsville, IL 62234Cooler Temp: Sampler: QC Level:

Project#

24041542

Contact:

Elizabeth Hurley

Email:

ehurley@teklabin.com

Requested Due Date:

Standad TAT

Billing/PO:

36143

Phone:

618 344-1004 ext. 33

Comments: **Please issue reports and invoices via email only**

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

EDH 5/19/24

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-001	5/8/24 0952	HNO3	Groundwater
	24041542-002	5/7/24 1016	HNO3	Groundwater
	24041542-003	4/30/24 1011	HNO3	Groundwater
	24041542-004	5/7/24 1115 *	HNO3	Groundwater
	24041542-005	4/30/24 1238	HNO3	Groundwater
	24041542-006	4/30/24 1201	HNO3	Groundwater
	24041542-007	4/30/24 1121	HNO3	Groundwater
	24041542-008	5/7/24 1253	HNO3	Groundwater
	24041542-009	4/30/24 1020 *	HNO3	Groundwater
	24041542-010	4/30/24 1058 *	HNO3	Groundwater
	24041542-011	5/1/24 1155	HNO3	Groundwater

Radium 228

Radium 226

Ra226/228



160-54048 Chain of Custody

*Relinquished By

Signature: *[Signature]*

Date/Time

5/10/24 1400

Received By

Signature: *[Signature]*

Date/Time

Signature: *[Signature]*

Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization and proprietary rights. Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

SubCustRevA
3-2-2016

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled?		YES ☐	NO ☒	With: ☐ Ice ☐ Blue Ice ☐	Preserved in: ☐ Lab ☐ Field
Teklab Inc 5445 Horseshoe Lake Road Collinsville, IL 62234					
Cooler Temp:		Sampler:		QC Level: 2	
Project#		24041542		Comments: Please issue reports and invoices via email only	
				Please analyze for Radium 226/228 per standard GW methods (Vistra project).	
				Changes to methods must be approved by Teklab, Inc.	
				Batch QC is required for all analyses requested. Excel EDD requested. IL site.	
Contact:		Email:			
Elizabeth Hurley		ehurley@teklabin.com			
Standard TAT		Billing/PO: 36143			
Requested Due Date:				Phone: 618 344-1004 ext. 33	

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-012	5/1/24 0952	HNO3	Groundwater
	24041542-013	5/6/24 1429	HNO3	Groundwater
	24041542-014	4/30/24 1319	HNO3	Groundwater
	24041542-015	5/2/24 1239	HNO3	Groundwater
	24041542-016	5/2/24 1147	HNO3	Groundwater
	24041542-017	5/8/24 0940	HNO3	Groundwater
	24041542-018	5/1/24 1337	HNO3	Groundwater
	24041542-019	5/1/24 1231	HNO3	Groundwater
	24041542-020	5/2/24 1033	HNO3	Groundwater
	24041542-021	5/2/24 0958	HNO3	Groundwater
	24041542-022	5/7/24 1145	HNO3	Groundwater

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	5/16/24 14:00	<i>[Signature]</i>	5/16/24 14:00
<i>[Signature]</i>	5/16/24 15:00	M. P. Matte	MAY 10 2024 1500

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:	
Sampler:	Teklab Sampling Team

QC Level: 2

Comments:

Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site

Email: ehurley@teklabinc.com

Billing/PO: 36143

Contact: Elizabeth Hurley

Standad TAT

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-045	5/2/24 1408	HNO3	Groundwater
	24041542-046	5/6/24 1200	HNO3	Groundwater
	24041542-047	5/6/24 1028	HNO3	Groundwater
	24041542-048	5/6/24 1244	HNO3	Groundwater
	24041542-049	5/6/24 1313	HNO3	Groundwater
	24041542-050	5/6/24 1105	HNO3	Groundwater
	24041542-051	4/29/24 1452	HNO3	Groundwater
	24041542-052	4/30/24 1406 ¹² 1408 ¹² 1409 ¹² 1410 ¹² 1411 ¹² 1412 ¹² 1413 ¹² 1414 ¹² 1415 ¹² 1416 ¹² 1417 ¹² 1418 ¹² 1419 ¹² 1420 ¹² 1421 ¹² 1422 ¹² 1423 ¹² 1424 ¹² 1425 ¹² 1426 ¹² 1427 ¹² 1428 ¹² 1429 ¹² 1430 ¹² 1431 ¹² 1432 ¹² 1433 ¹² 1434 ¹² 1435 ¹² 1436 ¹² 1437 ¹² 1438 ¹² 1439 ¹² 1440 ¹² 1441 ¹² 1442 ¹² 1443 ¹² 1444 ¹² 1445 ¹² 1446 ¹² 1447 ¹² 1448 ¹² 1449 ¹² 1450 ¹² 1451 ¹² 1452 ¹² 1453 ¹² 1454 ¹² 1455 ¹² 1456 ¹² 1457 ¹² 1458 ¹² 1459 ¹² 1460 ¹² 1461 ¹² 1462 ¹² 1463 ¹² 1464 ¹² 1465 ¹² 1466 ¹² 1467 ¹² 1468 ¹² 1469 ¹² 1470 ¹² 1471 ¹² 1472 ¹² 1473 ¹² 1474 ¹² 1475 ¹² 1476 ¹² 1477 ¹² 1478 ¹² 1479 ¹² 1480 ¹² 1481 ¹² 1482 ¹² 1483 ¹² 1484 ¹² 1485 ¹² 1486 ¹² 1487 ¹² 1488 ¹² 1489 ¹² 1490 ¹² 1491 ¹² 1492 ¹² 1493 ¹² 1494 ¹² 1495 ¹² 1496 ¹² 1497 ¹² 1498 ¹² 1499 ¹² 1500 ¹² 1501 ¹² 1502 ¹² 1503 ¹² 1504 ¹² 1505 ¹² 1506 ¹² 1507 ¹² 1508 ¹² 1509 ¹² 1510 ¹² 1511 ¹² 1512 ¹² 1513 ¹² 1514 ¹² 1515 ¹² 1516 ¹² 1517 ¹² 1518 ¹² 1519 ¹² 1520 ¹² 1521 ¹² 1522 ¹² 1523 ¹² 1524 ¹² 1525 ¹² 1526 ¹² 1527 ¹² 1528 ¹² 1529 ¹² 1530 ¹² 1531 ¹² 1532 ¹² 1533 ¹² 1534 ¹² 1535 ¹² 1536 ¹² 1537 ¹² 1538 ¹² 1539 ¹² 1540 ¹² 1541 ¹² 1542 ¹² 1543 ¹² 1544 ¹² 1545 ¹² 1546 ¹² 1547 ¹² 1548 ¹² 1549 ¹² 1550 ¹² 1551 ¹² 1552 ¹² 1553 ¹² 1554 ¹² 1555 ¹² 1556 ¹² 1557 ¹² 1558 ¹² 1559 ¹² 1560 ¹² 1561 ¹² 1562 ¹² 1563 ¹² 1564 ¹² 1565 ¹² 1566 ¹² 1567 ¹² 1568 ¹² 1569 ¹² 1570 ¹² 1571 ¹² 1572 ¹² 1573 ¹² 1574 ¹² 1575 ¹² 1576 ¹² 1577 ¹² 1578 ¹² 1579 ¹² 1580 ¹² 1581 ¹² 1582 ¹² 1583 ¹² 1584 ¹² 1585 ¹² 1586 ¹² 1587 ¹² 1588 ¹² 1589 ¹² 1590 ¹² 1591 ¹² 1592 ¹² 1593 ¹² 1594 ¹² 1595 ¹² 1596 ¹² 1597 ¹² 1598 ¹² 1599 ¹² 1600 ¹² 1601 ¹² 1602 ¹² 1603 ¹² 1604 ¹² 1605 ¹² 1606 ¹² 1607 ¹² 1608 ¹² 1609 ¹² 1610 ¹² 1611 ¹² 1612 ¹² 1613 ¹² 1614 ¹² 1615 ¹² 1616 ¹² 1617 ¹² 1618 ¹² 1619 ¹² 1620 ¹² 1621 ¹² 1622 ¹² 1623 ¹² 1624 ¹² 1625 ¹² 1626 ¹² 1627 ¹² 1628 ¹² 1629 ¹² 1630 ¹² 1631 ¹² 1632 ¹² 1633 ¹² 1634 ¹² 1635 ¹² 1636 ¹² 1637 ¹² 1638 ¹² 1639 ¹² 1640 ¹² 1641 ¹² 1642 ¹² 1643 ¹² 1644 ¹² 1645 ¹² 1646 ¹² 1647 ¹² 1648 ¹² 1649 ¹² 1650 ¹² 1651 ¹² 1652 ¹² 1653 ¹² 1654 ¹² 1655 ¹² 1656 ¹² 1657 ¹² 1658 ¹² 1659 ¹² 1660 ¹² 1661 ¹² 1662 ¹² 1663 ¹² 1664 ¹² 1665 ¹² 1666 ¹² 1667 ¹² 1668 ¹² 1669 ¹² 1670 ¹² 1671 ¹² 1672 ¹² 1673 ¹² 1674 ¹² 1675 ¹² 1676 ¹² 1677 ¹² 1678 ¹² 1679 ¹² 1680 ¹² 1681 ¹² 1682 ¹² 1683 ¹² 1684 ¹² 1685 ¹² 1686 ¹² 1687 ¹² 1688 ¹² 1689 ¹² 1690 ¹² 1691 ¹² 1692 ¹² 1693 ¹² 1694 ¹² 1695 ¹² 1696 ¹² 1697 ¹² 1698 ¹² 1699 ¹² 1700 ¹² 1701 ¹² 1702 ¹² 1703 ¹² 1704 ¹² 1705 ¹² 1706 ¹² 1707 ¹² 1708 ¹² 1709 ¹² 1710 ¹² 1711 ¹² 1712 ¹² 1713 ¹² 1714 ¹² 1715 ¹² 1716 ¹² 1717 ¹² 1718 ¹² 1719 ¹² 1720 ¹² 1721 ¹² 1722 ¹² 1723 ¹² 1724 ¹² 1725 ¹² 1726 ¹² 1727 ¹² 1728 ¹² 1729 ¹² 1730 ¹² 1731 ¹² 1732 ¹² 1733 ¹² 1734 ¹² 1735 ¹² 1736 ¹² 1737 ¹² 1738 ¹² 1739 ¹² 1740 ¹² 1741 ¹² 1742 ¹² 1743 ¹² 1744 ¹² 1745 ¹² 1746 ¹² 1747 ¹² 1748 ¹² 1749 ¹² 1750 ¹² 1751 ¹² 1752 ¹² 1753 ¹² 1754 ¹² 1755 ¹² 1756 ¹² 1757 ¹² 1758 ¹² 1759 ¹² 1760 ¹² 1761 ¹² 1762 ¹² 1763 ¹² 1764 ¹² 1765 ¹² 1766 ¹² 1767 ¹² 1768 ¹² 1769 ¹² 1770 ¹² 1771 ¹² 1772 ¹² 1773 ¹² 1774 ¹² 1775 ¹² 1776 ¹² 1777 ¹² 1778 ¹² 1779 ¹² 1780 ¹² 1781 ¹² 1782 ¹² 1783 ¹² 1784 ¹² 1785 ¹² 1786 ¹² 1787 ¹² 1788 ¹² 1789 ¹² 1790 ¹² 1791 ¹² 1792 ¹² 1793 ¹² 1794 ¹² 1795 ¹² 1796 ¹² 1797 ¹² 1798 ¹² 1799 ¹² 1800 ¹² 1801 ¹² 1802 ¹² 1803 ¹² 1804 ¹² 1805 ¹² 1806 ¹² 1807 ¹² 1808 ¹² 1809 ¹² 1810 ¹² 1811 ¹² 1812 ¹² 1813 ¹² 1814 ¹² 1815 ¹² 1816 ¹² 1817 ¹² 1818 ¹² 1819 ¹² 1820 ¹² 1821 ¹² 1822 ¹² 1823 ¹² 1824 ¹² 1825 ¹² 1826 ¹² 1827 ¹² 1828 ¹² 1829 ¹² 1830 ¹² 1831 ¹² 1832 ¹² 1833 ¹² 1834 ¹² 1835 ¹² 1836 ¹² 1837 ¹² 1838 ¹² 1839 ¹² 1840 ¹² 1841 ¹² 1842 ¹² 1843 ¹² 1844 ¹² 1845 ¹² 1846 ¹² 1847 ¹² 1848 ¹² 1849 ¹² 1850 ¹² 1851 ¹² 1852 ¹² 1853 ¹² 1854 ¹² 1855 ¹² 1856 ¹² 1857 ¹² 1858 ¹² 1859 ¹² 1860 ¹² 1861 ¹² 1862 ¹² 1863 ¹² 1864 ¹² 1865 ¹² 1866 ¹² 1867 ¹² 1868 ¹² 1869 ¹² 1870 ¹² 1871 ¹² 1872 ¹² 1873 ¹² 1874 ¹² 1875 ¹² 1876 ¹² 1877 ¹² 1878 ¹² 1879 ¹² 1880 ¹² 1881 ¹² 1882 ¹² 1883 ¹² 1884 ¹² 1885 ¹² 1886 ¹² 1887 ¹² 1888 ¹² 1889 ¹² 1890 ¹² 1891 ¹² 1892 ¹² 1893 ¹² 1894 ¹² 1895 ¹² 1896 ¹² 1897 ¹² 1898 ¹² 1899 ¹² 1900 ¹² 1901 ¹² 1902 ¹² 1903 ¹² 1904 ¹² 1905 ¹² 1906 ¹² 1907 ¹² 1908 ¹² 1909 ¹² 1910 ¹² 1911 ¹² 1912 ¹² 1913 ¹² 1914 ¹² 1915 ¹² 1916 ¹² 1917 ¹² 1918 ¹² 1919 ¹² 1920 ¹² 1921 ¹² 1922 ¹² 1923 ¹² 1924 ¹² 1925 ¹² 1926 ¹² 1927 ¹² 1928 ¹² 1929 ¹² 1930 ¹² 1931 ¹² 1932 ¹² 1933 ¹² 1934 ¹² 1935 ¹² 1936 ¹² 1937 ¹² 1938 ¹² 1939 ¹² 1940 ¹² 1941 ¹² 1942 ¹² 1943 ¹² 1944 ¹² 1945 ¹² 1946 ¹² 1947 ¹² 1948 ¹² 1949 ¹² 1950 ¹² 1951 ¹² 1952 ¹² 1953 ¹² 1954 ¹² 1955 ¹² 1956 ¹² 1957 ¹² 1958 ¹² 1959 ¹² 1960 ¹² 1961 ¹² 1962 ¹² 1963 ¹² 1964 ¹² 1965 ¹² 1966 ¹² 1967 ¹² 1968 ¹² 1969 ¹² 1970 ¹² 1971 ¹² 1972 ¹² 1973 ¹² 1974 ¹² 1975 ¹² 1976 ¹² 1977 ¹² 1978 ¹² 1979 ¹² 1980 ¹² 1981 ¹² 1982 ¹² 1983 ¹² 1984 ¹² 1985 ¹² 1986 ¹² 1987 ¹² 1988 ¹² 1989 ¹² 1990 ¹² 1991 ¹² 1992 ¹² 1993 ¹² 1994 ¹² 1995 ¹² 1996 ¹² 1997 ¹² 1998 ¹² 1999 ¹² 2000 ¹² 2001 ¹² 2002 ¹² 2003 ¹² 2004 ¹² 2005 ¹² 2006 ¹² 2007 ¹² 2008 ¹² 2009 ¹² 2010 ¹² 2011 ¹² 2012 ¹² 2013 ¹² 2014 ¹² 2015 ¹² 2016 ¹² 2017 ¹² 2018 ¹² 2019 ¹² 2020 ¹² 2021 ¹² 2022 ¹² 2023 ¹² 2024 ¹² 2025 ¹² 2026 ¹² 2027 ¹² 2028 ¹² 2029 ¹² 2030 ¹² 2031 ¹² 2032 ¹² 2033 ¹² 2034 ¹² 2035 ¹² 2036 ¹² 2037 ¹² 2038 ¹² 2039 ¹² 2040 ¹² 2041 ¹² 2042 ¹² 2043 ¹² 2044 ¹² 2045 ¹² 2046 ¹² 2047 ¹² 2048 ¹² 2049 ¹² 2050 ¹² 2051 ¹² 2052 ¹² 2053 ¹² 2054 ¹² 2055 ¹² 2056 ¹² 2057 ¹² 2058 ¹² 2059 ¹² 2060 ¹² 2061 ¹² 2062 ¹² 2063 ¹² 2064 ¹² 2065 ¹² 2066 ¹² 2067 ¹² 2068 ¹² 2069 ¹² 2070 ¹² 2071 ¹² 2072 ¹² 2073 ¹² 2074 ¹² 2075 ¹² 2076 ¹² 2077 ¹² 2078 ¹² 2079 ¹² 2080 ¹² 2081 ¹² 2082 ¹² 2083 ¹² 2084 ¹² 2085 ¹² 2086 ¹² 2087 ¹² 2088 ¹² 2089 ¹² 2090 ¹² 2091 ¹² 2092 ¹² 2093 ¹² 2094 ¹² 2095 ¹² 2096 ¹² 2097 ¹² 2098 ¹² 2099 ¹² 2100 ¹² 2101 ¹² 2102 ¹² 2103 ¹² 2104 ¹² 2105 ¹² 2106 ¹² 2107 ¹² 2108 ¹² 2109 ¹² 2110 ¹² 2111 ¹² 2112 ¹² 2113 ¹² 2114 ¹² 2115 ¹² 2116 ¹² 2117 ¹² 2118 ¹² 2119 ¹² 2120 ¹² 2121 ¹² 2122 ¹² 2123 ¹² 2124 ¹² 2125 ¹² 2126 ¹² 2127 ¹² 2128 ¹² 2129 ¹² 2130 ¹² 2131 ¹² 2132 ¹² 2133 ¹² 2134 ¹² 2135 ¹² 2136 ¹² 2137 ¹² 2138 ¹² 2139 ¹² 2140 ¹² 2141 ¹² 2142 ¹² 2143 ¹² 2144 ¹² 2145 ¹² 2146 ¹² 2147 ¹² 2148 ¹² 2149 ¹² 2150 ¹² 2151 ¹² 2152 ¹² 2153 ¹² 2154 ¹² 2155 ¹² 2156 ¹² 2157 ¹² 2158 ¹² 2159 ¹² 2160 ¹² 2161 ¹² 2162 ¹² 2163 ¹² 2164 ¹² 2165 ¹² 2166 ¹² 2167 ¹² 2168 ¹² 2169 ¹² 2170 ¹² 2171 ¹² 2172 ¹² 2173 ¹² 2174 ¹² 2175 ¹² 2176 ¹² 2177 ¹² 2178 ¹² 2179 ¹² 2180 ¹² 2181 ¹² 2182 ¹² 2183 ¹² 2184 ¹² 2185 ¹² 2186 ¹² 2187 ¹² 2188 ¹² 2189 ¹² 2190 ¹² 2191 ¹² 2192 ¹² 2193 ¹² 2194 ¹² 2195 ¹² 2196 ¹² 2197 ¹² 2198 ¹² 2199 ¹² 2200 ¹² 2201 ¹² 2202 ¹² 2203 ¹² 2204 ¹² 2205 ¹² 2206 ¹² 2207 ¹² 2208 ¹² 2209 ¹² 2210 ¹² 2211 ¹² 2212 ¹² 2213 ¹² 2214 ¹² 2215 ¹² 2216 ¹² 2217 ¹² 2218 ¹² 2219 ¹² 2220 ¹² 2221 ¹² 2222 ¹² 2223 ¹² 2224 ¹² 2225 ¹² 2226 ¹² 2227 ¹² 2228 ¹² 2229 ¹² 2230 ¹² 2231 ¹² 2232 ¹² 2233 ¹² 2234 ¹² 2235 ¹² 2236 ¹² 2237 ¹² 2238 ¹² 2239 ¹² 2240 ¹² 2241 ¹² 2242 ¹² 2243 ¹² 2244 ¹² 2245 ¹² 2246 ¹² 2247 ¹² 2248 ¹² 2249 ¹² 2250 ¹² 2251 ¹² 2252 ¹² 2253 ¹² 2254 ¹² 2255 ¹² 2256 ¹² 2257 ¹² 2258 ¹² 2259 ¹² 2260 ¹² 2261 ¹² 2262 ¹² 2263 ¹² 2264 ¹² 2265 ¹² 2266 ¹² 2267 ¹² 2268 ¹² 2269 ¹² 2270 ¹² 2271 ¹² 2272 ¹² 2273 ¹² 2274 ¹² 2275 ¹² 2276 ¹² 2277 ¹² 2278 ¹² 2279 ¹² 2280 ¹² 2281 ¹² 2282 ¹² 2283 ¹² 2284 ¹² 2285 ¹² 2286 ¹² 2287 ¹² 2288 ¹² 2289 ¹² 2290 ¹² 2291 ¹² 2292 ¹² 2293 ¹² 2294 ¹² 2295 ¹² 2296 ¹² 2297 ¹² 2298 ¹² 2299 ¹² 2300 ¹² 2301 ¹² 2302 ¹² 2303 ¹² 2304 ¹² 2305 ¹² 2306 ¹² 2307 ¹² 2308 ¹² 2309 ¹² 2310 ¹² 2311 ¹² 2312 ¹² 2313 ¹² 2314 ¹² 2315 ¹² 2316 ¹² 2317 ¹² 2318 ¹² 2319 ¹² 2320 ¹² 2321 ¹² 2322 ¹² 2323 ¹² 23		

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	5/10/24 1400	<i>[Signature]</i>	5/10/24 1400
	5/10/24 1500	Mr. Pomette	MAY 10 2024 1500

pg 6 of 6

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

PLEASE NOTE:

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24041542-056	5/7/24 1253	HNO3	Groundwater
	24041542-057	5/2/24 1239	HNO3	Groundwater
	24041542-058	5/6/24 1028	HNO3	Groundwater
	24041542-059	5/7/24 1243	HNO3	Groundwater
	24041542-060	5/8/24 1424 1135 AM	HNO3	Aqueous
	24041542-063	5/7/24 1110	HNO3 *	Aqueous GW
	24041542-064	5/7/24 1208	HNO3 *	Aqueous GW
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	5/16/24 1402	<i>[Signature]</i>	5/16/24 1402
	5/16/24 1802	M. Pineda	5/16/24 1802
			MAY 10 2024 1532

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

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Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-001	5/8/24 1348 <i>0952</i>	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-002	5/7/24 1016	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-003	4/30/24 1011	HNO3	Groundwater	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-004	5/7/24 1020 <i>1115 TP * 5/16/24</i>	HNO3	Groundwater	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-005	4/30/24 1238	HNO3	Groundwater	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-006	4/30/24 1201	HNO3	Groundwater	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-007	4/30/24 1121	HNO3	Groundwater	☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-008	5/7/24 1253	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-009	4/30/24 1020 <i>1058 *</i>	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-010	4/30/24 1058 <i>1028 *</i>	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
	24041542-011	5/1/24 1155	HNO3	Groundwater	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

*Relinquished By	Date/Time	Received By	Date/Time
<i>SMO Delalle</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-012	5/1/24 0952	HNO3	Groundwater	✓														
	24041542-013	5/6/24 1429	HNO3	Groundwater	✓														
	24041542-014	4/30/24 1319	HNO3	Groundwater	✓														
	24041542-015	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-016	5/2/24 1147	HNO3	Groundwater	✓														
	24041542-017	5/8/24 0940	HNO3	Groundwater	✓														
	24041542-018	5/1/24 1337	HNO3	Groundwater	✓														
	24041542-019	5/1/24 1231	HNO3	Groundwater	✓														
	24041542-020	5/2/24 1033	HNO3	Groundwater	✓														
	24041542-021	5/2/24 0958	HNO3	Groundwater	✓														
	24041542-022	5/7/24 1145	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Uma S. Wells</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project#

Contact:

Email:

Requested Due Date:

Billing/PO:

Phone:

Comments:

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-023	5/7/24 0940	HNO3	Groundwater	✓														
	24041542-024	5/3/24 0940	HNO3	Groundwater	✓														
	24041542-025	5/6/24 1407	HNO3	Groundwater	✓														
	24041542-026	5/3/24 1027	HNO3	Groundwater	✓														
	24041542-027	5/6/24 1100	HNO3	Groundwater	✓														
	24041542-028	5/6/24 1136	HNO3	Groundwater	✓														
	24041542-029	5/6/24 1222	HNO3	Groundwater	✓														
	24041542-030	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-031	5/6/24 1154	HNO3	Groundwater	✓														
	24041542-032	5/1/24 1049	HNO3	Groundwater	✓														
	24041542-033	5/1/24 1441	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
<i>Emily Delano</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

24041542

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standard TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per standard GW methods (Vistra project).

Changes to methods must be approved by Teklab, Inc.

Batch QC is required for all analyses requested. Excel EDD requested. IL site.

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NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-034	5/1/24 1347	HNO3	Groundwater	✓														
	24041542-035	5/2/24 1432	HNO3	Groundwater	✓														
	24041542-036	5/2/24 1135	HNO3	Groundwater	✓														
	24041542-037	5/2/24 1253	HNO3	Groundwater	✓														
	24041542-038	5/3/24 0955	HNO3	Groundwater	✓														
	24041542-039	5/6/24 1329	HNO3	Groundwater	✓														
	24041542-040	5/1/24 1213	HNO3	Groundwater	✓														
	24041542-041	4/30/24 1336 1413 * 1413 * 1413 *	HNO3	Groundwater	✓														
	24041542-042	4/30/24 1225 1307 *	HNO3	Groundwater	✓														
	24041542-043	5/2/24 1031	HNO3	Groundwater	✓														
	24041542-044	4/30/24 1422 1156 *	HNO3	Groundwater	✓														

*Relinquished By	Date/Time	Received By	Date/Time
Imogen Delall			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp:

Sampler: Teklab Sampling Team

QC Level:

Project#

Comments: **Please Issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley

Email: ehurley@teklabinc.com

Requested Due Date: Standard TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228										
	24041542-045	5/2/24 1406	HNO3	Groundwater	✓												
	24041542-046	5/6/24 1200	HNO3	Groundwater	✓												
	24041542-047	5/6/24 1028	HNO3	Groundwater	✓												
	24041542-048	5/6/24 1244	HNO3	Groundwater	✓												
	24041542-049	5/6/24 1313	HNO3	Groundwater	✓												
	24041542-050	5/6/24 1105	HNO3	Groundwater	✓												
	24041542-051	4/29/24 1452	HNO3	Groundwater	✓												
	24041542-052	4/30/24 1030 ^{TE} ^{SH}	HNO3	Groundwater	✓												
	24041542-053	4/29/24 1311	HNO3	Groundwater	✓												
	24041542-054	5/7/24 1243	HNO3	Groundwater	✓												
	24041542-055	5/8/24 1122 *	HNO3	Aqueous	✓	✓	✓										

*Relinquished By	Date/Time	Received By	Date/Time
<i>Elizabeth Hurley</i>			

TEKLAB, INC. Chain of Custody

5445 Horseshoe Lake Road, Collinsville, IL 62234 Phone (618) 344-1004 Fax (618) 344-1005

Are the samples chilled? YES ☐ NO ☒ With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team QC Level:

Project#

Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 226/228 per standard GW methods (Vistra project).
Changes to methods must be approved by Teklab, Inc.
Batch QC is required for all analyses requested. Excel EDD requested. IL site.

Contact: Elizabeth Hurley Email: ehurley@teklabinc.com

Requested Due Date: Standad TAT

Billing/PO: 36143

Phone: 618 344-1004 ext. 33

PLEASE NOTE:

NELAP accreditation is required on the requested analytes and must be documented as such on the final report. If your laboratory does not currently hold a NELAP accreditation for the requested method and/or analytes, please contact Teklab immediately. If your laboratory loses accreditation or is suspended for any analyte/method during the life of the contract, you must contact Teklab immediately.

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	Ra226/228	Radium 226	Radium 228												
	24041542-056	5/7/24 1253	HNO3	Groundwater	✓														
	24041542-057	5/2/24 1239	HNO3	Groundwater	✓														
	24041542-058	5/6/24 1028	HNO3	Groundwater	✓														
	24041542-059	5/7/24 1243	HNO3	Groundwater	✓														
	24041542-060	5/8/24 1424 1135 ¹⁰ _{5/9/24} *	HNO3	Aqueous	✓	✓	✓												
	24041542-063	5/7/24 1110	HNO3	* Aqueous GW	✓	✓	✓												
	24041542-064	5/7/24 1208	HNO3	* Aqueous GW	✓	✓	✓												
			HNO3	Groundwater	✓														
			HNO3	Groundwater	✓														
			HNO3	Groundwater															
			HNO3	Groundwater															

*Relinquished By	Date/Time	Received By	Date/Time
<i>Erica Delalle</i>			

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-54048-3

SDG Number: 24041542

Login Number: 54048

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Definitions/Glossary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
COP-845-160
SDG: 24041542

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

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

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-54048-41	24041542-041	Water	04/30/24 14:13	05/10/24 15:00
160-54048-42	24041542-042	Water	04/30/24 13:07	05/10/24 15:00
160-54048-43	24041542-043	Water	05/02/24 10:31	05/10/24 15:00
160-54048-44	24041542-044	Water	04/30/24 11:56	05/10/24 15:00
160-54048-45	24041542-045	Water	05/02/24 14:06	05/10/24 15:00
160-54048-46	24041542-046	Water	05/06/24 12:00	05/10/24 15:00
160-54048-47	24041542-047	Water	05/06/24 10:28	05/10/24 15:00
160-54048-48	24041542-048	Water	05/06/24 12:44	05/10/24 15:00
160-54048-49	24041542-049	Water	05/06/24 13:13	05/10/24 15:00
160-54048-50	24041542-050	Water	05/06/24 11:05	05/10/24 15:00
160-54048-51	24041542-051	Water	04/29/24 14:52	05/10/24 15:00
160-54048-52	24041542-052	Water	04/30/24 10:36	05/10/24 15:00
160-54048-53	24041542-053	Water	04/29/24 13:11	05/10/24 15:00
160-54048-54	24041542-054	Water	05/07/24 12:43	05/10/24 15:00
160-54048-55	24041542-055	Water	05/08/24 11:21	05/10/24 15:00
160-54048-56	24041542-056	Water	05/07/24 12:53	05/10/24 15:00
160-54048-57	24041542-057	Water	05/02/24 12:39	05/10/24 15:00
160-54048-58	24041542-058	Water	05/06/24 10:28	05/10/24 15:00
160-54048-59	24041542-059	Water	05/07/24 12:43	05/10/24 15:00
160-54048-60	24041542-060	Water	05/08/24 11:35	05/10/24 15:00
160-54048-61	24041542-063	Water	05/07/24 11:10	05/10/24 15:00
160-54048-62	24041542-064	Water	05/07/24 12:08	05/10/24 15:00

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-041

Lab Sample ID: 160-54048-41

Date Collected: 04/30/24 14:13

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.209		0.103	0.105	1.00	0.115	pCi/L	05/15/24 09:08	06/11/24 07:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					05/15/24 09:08	06/11/24 07:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.454		0.288	0.291	1.00	0.411	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.3		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	81.5		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.664		0.306	0.309	5.00	0.411	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-042

Lab Sample ID: 160-54048-42

Date Collected: 04/30/24 13:07

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.352		0.125	0.129	1.00	0.114	pCi/L	05/15/24 09:08	06/11/24 07:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/15/24 09:08	06/11/24 07:51	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.533	U	0.377	0.380	1.00	0.574	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	78.9		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.884		0.397	0.401	5.00	0.574	pCi/L		06/13/24 11:16	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-3
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-043

Lab Sample ID: 160-54048-43

Date Collected: 05/02/24 10:31

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0295	U	0.0653	0.0654	1.00	0.121	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0629	U	0.264	0.264	1.00	0.482	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	83.0		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0924	U	0.272	0.272	5.00	0.482	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-044

Lab Sample ID: 160-54048-44

Date Collected: 04/30/24 11:56

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0416	U	0.0868	0.0869	1.00	0.156	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.02		0.392	0.403	1.00	0.487	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.0		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	82.6		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.06		0.401	0.412	5.00	0.487	pCi/L		06/13/24 11:16	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-3
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-045

Lab Sample ID: 160-54048-45

Date Collected: 05/02/24 14:06

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0407	U	0.0716	0.0717	1.00	0.127	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.276	U	0.315	0.317	1.00	0.517	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.6		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	80.7		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.317	U	0.323	0.325	5.00	0.517	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-046

Lab Sample ID: 160-54048-46

Date Collected: 05/06/24 12:00

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.165		0.0948	0.0960	1.00	0.115	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.255	U	0.306	0.307	1.00	0.505	pCi/L	05/15/24 09:12	06/06/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/15/24 09:12	06/06/24 11:42	1
Y Carrier	81.5		30 - 110					05/15/24 09:12	06/06/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.420	U	0.320	0.322	5.00	0.505	pCi/L		06/13/24 11:16	1

Eurofins St. Louis

Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-047

Lab Sample ID: 160-54048-47

Date Collected: 05/06/24 10:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.168		0.110	0.111	1.00	0.152	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.395	U	0.335	0.337	1.00	0.524	pCi/L	05/15/24 09:12	06/06/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:12	06/06/24 11:42	1
Y Carrier	82.2		30 - 110					05/15/24 09:12	06/06/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.562		0.353	0.355	5.00	0.524	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-048

Lab Sample ID: 160-54048-48

Date Collected: 05/06/24 12:44

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139	U	0.114	0.114	1.00	0.171	pCi/L	05/15/24 09:08	06/11/24 07:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/15/24 09:08	06/11/24 07:52	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.265	U	0.302	0.303	1.00	0.494	pCi/L	05/15/24 09:12	06/06/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.3		30 - 110					05/15/24 09:12	06/06/24 11:42	1
Y Carrier	78.9		30 - 110					05/15/24 09:12	06/06/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.405	U	0.323	0.324	5.00	0.494	pCi/L		06/13/24 11:16	1

Eurofins St. Louis

Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-3
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-049

Lab Sample ID: 160-54048-49

Date Collected: 05/06/24 13:13

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.101	U	0.0977	0.0982	1.00	0.153	pCi/L	05/15/24 09:08	06/11/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					05/15/24 09:08	06/11/24 07:45	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.303	U	0.361	0.362	1.00	0.595	pCi/L	05/15/24 09:12	06/06/24 11:42	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					05/15/24 09:12	06/06/24 11:42	1
Y Carrier	81.9		30 - 110					05/15/24 09:12	06/06/24 11:42	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.404	U	0.374	0.375	5.00	0.595	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-050

Lab Sample ID: 160-54048-50

Date Collected: 05/06/24 11:05

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0903	U	0.0948	0.0951	1.00	0.152	pCi/L	05/15/24 09:08	06/11/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/15/24 09:08	06/11/24 07:45	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.102	U	0.298	0.298	1.00	0.529	pCi/L	05/15/24 09:12	06/06/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.0		30 - 110					05/15/24 09:12	06/06/24 11:43	1
Y Carrier	84.5		30 - 110					05/15/24 09:12	06/06/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.192	U	0.313	0.313	5.00	0.529	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-051

Lab Sample ID: 160-54048-51

Date Collected: 04/29/24 14:52

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.139	U	0.102	0.103	1.00	0.146	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.281	U	0.305	0.306	1.00	0.495	pCi/L	05/15/24 09:12	06/06/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.1		30 - 110					05/15/24 09:12	06/06/24 11:43	1
Y Carrier	84.5		30 - 110					05/15/24 09:12	06/06/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.420	U	0.322	0.323	5.00	0.495	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-052

Lab Sample ID: 160-54048-52

Date Collected: 04/30/24 10:36

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.352		0.129	0.132	1.00	0.126	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.455	U	0.316	0.318	1.00	0.465	pCi/L	05/15/24 09:12	06/06/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.6		30 - 110					05/15/24 09:12	06/06/24 11:43	1
Y Carrier	80.0		30 - 110					05/15/24 09:12	06/06/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.807		0.341	0.344	5.00	0.465	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-053

Lab Sample ID: 160-54048-53

Date Collected: 04/29/24 13:11

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.125	U	0.100	0.101	1.00	0.148	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.206	U	0.373	0.374	1.00	0.641	pCi/L	05/15/24 09:12	06/06/24 11:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.6		30 - 110					05/15/24 09:12	06/06/24 11:43	1
Y Carrier	84.5		30 - 110					05/15/24 09:12	06/06/24 11:43	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.331	U	0.386	0.387	5.00	0.641	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-054

Lab Sample ID: 160-54048-54

Date Collected: 05/07/24 12:43

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.262		0.122	0.124	1.00	0.142	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.555	U	0.393	0.396	1.00	0.596	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.8		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	82.6		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.817		0.412	0.415	5.00	0.596	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-055

Lab Sample ID: 160-54048-55

Date Collected: 05/08/24 11:21

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0554	U	0.0847	0.0849	1.00	0.145	pCi/L	05/15/24 09:08	06/11/24 07:44	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					05/15/24 09:08	06/11/24 07:44	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.439	U	0.310	0.313	1.00	0.465	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.5		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	83.4		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.494		0.321	0.324	5.00	0.465	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-056

Lab Sample ID: 160-54048-56

Date Collected: 05/07/24 12:53

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0847	U	0.0845	0.0849	1.00	0.132	pCi/L	05/15/24 09:08	06/11/24 07:45	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/15/24 09:08	06/11/24 07:45	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.138	U	0.221	0.222	1.00	0.469	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.0		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	84.9		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.0847	U	0.237	0.238	5.00	0.469	pCi/L		06/13/24 11:16	1

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Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 2, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-54048-3
 SDG: 24041542

Client: TekLab, Inc
 Project/Site: Radium-226 and Radium-228

Client Sample ID: 24041542-057

Lab Sample ID: 160-54048-57

Date Collected: 05/02/24 12:39

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0504	U	0.0706	0.0707	1.00	0.120	pCi/L	05/15/24 09:08	06/11/24 09:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/15/24 09:08	06/11/24 09:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.427	U	0.331	0.333	1.00	0.511	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.5		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	87.5		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.477	U	0.338	0.340	5.00	0.511	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-058

Lab Sample ID: 160-54048-58

Date Collected: 05/06/24 10:28

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0306	U	0.0703	0.0704	1.00	0.129	pCi/L	05/15/24 09:08	06/11/24 09:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					05/15/24 09:08	06/11/24 09:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.332	U	0.311	0.313	1.00	0.497	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.0		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	87.1		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.363	U	0.319	0.321	5.00	0.497	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-059

Lab Sample ID: 160-54048-59

Date Collected: 05/07/24 12:43

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.169		0.102	0.103	1.00	0.133	pCi/L	05/15/24 09:08	06/11/24 09:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					05/15/24 09:08	06/11/24 09:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.729		0.387	0.393	1.00	0.541	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.1		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	79.6		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.897		0.400	0.406	5.00	0.541	pCi/L		06/13/24 11:16	1

Client Sample ID: 24041542-060

Lab Sample ID: 160-54048-60

Date Collected: 05/08/24 11:35

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0833	U	0.0894	0.0897	1.00	0.143	pCi/L	05/15/24 09:08	06/11/24 09:43	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					05/15/24 09:08	06/11/24 09:43	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.134	U	0.292	0.292	1.00	0.510	pCi/L	05/15/24 09:12	06/06/24 11:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.0		30 - 110					05/15/24 09:12	06/06/24 11:41	1
Y Carrier	83.7		30 - 110					05/15/24 09:12	06/06/24 11:41	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.218	U	0.305	0.305	5.00	0.510	pCi/L		06/13/24 11:16	1

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Client Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Client Sample ID: 24041542-063

Lab Sample ID: 160-54048-61

Date Collected: 05/07/24 11:10

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.171	U	0.130	0.131	1.00	0.174	pCi/L	05/15/24 09:01	06/07/24 23:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	64.9		30 - 110					05/15/24 09:01	06/07/24 23:09	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.56		0.594	0.611	1.00	0.748	pCi/L	05/15/24 09:06	06/05/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	64.9		30 - 110					05/15/24 09:06	06/05/24 12:07	1
Y Carrier	84.5		30 - 110					05/15/24 09:06	06/05/24 12:07	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.73		0.608	0.625	5.00	0.748	pCi/L		06/13/24 11:17	1

Client Sample ID: 24041542-064

Lab Sample ID: 160-54048-62

Date Collected: 05/07/24 12:08

Matrix: Water

Date Received: 05/10/24 15:00

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.261		0.129	0.131	1.00	0.139	pCi/L	05/15/24 09:01	06/07/24 23:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/15/24 09:01	06/07/24 23:09	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.913		0.405	0.413	1.00	0.534	pCi/L	05/15/24 09:06	06/05/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.8		30 - 110					05/15/24 09:06	06/05/24 12:07	1
Y Carrier	80.7		30 - 110					05/15/24 09:06	06/05/24 12:07	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.17		0.425	0.433	5.00	0.534	pCi/L		06/13/24 11:17	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-661786/1-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661786

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1624		0.110	0.111	1.00	0.144	pCi/L	05/15/24 09:01	06/07/24 23:06	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					05/15/24 09:01	06/07/24 23:06	1

Lab Sample ID: LCS 160-661786/2-A
Matrix: Water
Analysis Batch: 665106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661786

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	10.38		1.17	1.00	0.210	pCi/L	92	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	96.8		30 - 110							

Lab Sample ID: MB 160-661789/1-A
Matrix: Water
Analysis Batch: 665661

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661789

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.1841		0.115	0.116	1.00	0.158	pCi/L	05/15/24 09:08	06/11/24 07:51	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/15/24 09:08	06/11/24 07:51	1

Lab Sample ID: LCS 160-661789/2-A
Matrix: Water
Analysis Batch: 665661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661789

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		11.3	9.594		1.05	1.00	0.125	pCi/L	85	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	94.5		30 - 110							

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 665661

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661789

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0407	U	0.02005	U	0.0869	1.00	0.168	pCi/L	0.13	1

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 665661

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661789

Carrier	%Yield	Qualifier	Limits
Ba Carrier	80.6		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-661787/1-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661787

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.01637	U	0.343	0.343	1.00	0.642	pCi/L	05/15/24 09:06	06/05/24 12:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					05/15/24 09:06	06/05/24 12:13	1
Y Carrier	67.7		30 - 110					05/15/24 09:06	06/05/24 12:13	1

Lab Sample ID: LCS 160-661787/2-A
Matrix: Water
Analysis Batch: 664836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661787

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.88	9.466		1.31	1.00	0.536	pCi/L	107	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	96.8		30 - 110						
Y Carrier	80.4		30 - 110						

Lab Sample ID: MB 160-661790/1-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661790

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.3312	U	0.282	0.284	1.00	0.437	pCi/L	05/15/24 09:12	06/06/24 11:34	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					05/15/24 09:12	06/06/24 11:34	1
Y Carrier	84.5		30 - 110					05/15/24 09:12	06/06/24 11:34	1

Lab Sample ID: LCS 160-661790/2-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661790

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.88	8.433		1.20	1.00	0.537	pCi/L	95	75 - 125

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QC Sample Results

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-661790/2-A
Matrix: Water
Analysis Batch: 664914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661790

LCS LCS			
Carrier	%Yield	Qualifier	Limits
Ba Carrier	94.5		30 - 110
Y Carrier	76.3		30 - 110

Lab Sample ID: 160-54048-45 DU
Matrix: Water
Analysis Batch: 664915

Client Sample ID: 24041542-045
Prep Type: Total/NA
Prep Batch: 661790

Analyte	Sample Sample		DU DU		Total	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-228	0.276	U	0.3214	U	0.350	1.00	0.567	pCi/L	0.07	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	80.6		30 - 110							
Y Carrier	80.7		30 - 110							

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-3
SDG: 24041542

Rad

Prep Batch: 661786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-61	24041542-063	Total/NA	Water	PrecSep-21	
160-54048-62	24041542-064	Total/NA	Water	PrecSep-21	
MB 160-661786/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661786/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 661787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-61	24041542-063	Total/NA	Water	PrecSep_0	
160-54048-62	24041542-064	Total/NA	Water	PrecSep_0	
MB 160-661787/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661787/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 661789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-41	24041542-041	Total/NA	Water	PrecSep-21	
160-54048-42	24041542-042	Total/NA	Water	PrecSep-21	
160-54048-43	24041542-043	Total/NA	Water	PrecSep-21	
160-54048-44	24041542-044	Total/NA	Water	PrecSep-21	
160-54048-45	24041542-045	Total/NA	Water	PrecSep-21	
160-54048-46	24041542-046	Total/NA	Water	PrecSep-21	
160-54048-47	24041542-047	Total/NA	Water	PrecSep-21	
160-54048-48	24041542-048	Total/NA	Water	PrecSep-21	
160-54048-49	24041542-049	Total/NA	Water	PrecSep-21	
160-54048-50	24041542-050	Total/NA	Water	PrecSep-21	
160-54048-51	24041542-051	Total/NA	Water	PrecSep-21	
160-54048-52	24041542-052	Total/NA	Water	PrecSep-21	
160-54048-53	24041542-053	Total/NA	Water	PrecSep-21	
160-54048-54	24041542-054	Total/NA	Water	PrecSep-21	
160-54048-55	24041542-055	Total/NA	Water	PrecSep-21	
160-54048-56	24041542-056	Total/NA	Water	PrecSep-21	
160-54048-57	24041542-057	Total/NA	Water	PrecSep-21	
160-54048-58	24041542-058	Total/NA	Water	PrecSep-21	
160-54048-59	24041542-059	Total/NA	Water	PrecSep-21	
160-54048-60	24041542-060	Total/NA	Water	PrecSep-21	
MB 160-661789/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-661789/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-54048-45 DU	24041542-045	Total/NA	Water	PrecSep-21	

Prep Batch: 661790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-41	24041542-041	Total/NA	Water	PrecSep_0	
160-54048-42	24041542-042	Total/NA	Water	PrecSep_0	
160-54048-43	24041542-043	Total/NA	Water	PrecSep_0	
160-54048-44	24041542-044	Total/NA	Water	PrecSep_0	
160-54048-45	24041542-045	Total/NA	Water	PrecSep_0	
160-54048-46	24041542-046	Total/NA	Water	PrecSep_0	
160-54048-47	24041542-047	Total/NA	Water	PrecSep_0	
160-54048-48	24041542-048	Total/NA	Water	PrecSep_0	
160-54048-49	24041542-049	Total/NA	Water	PrecSep_0	
160-54048-50	24041542-050	Total/NA	Water	PrecSep_0	
160-54048-51	24041542-051	Total/NA	Water	PrecSep_0	

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QC Association Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Rad (Continued)

Prep Batch: 661790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-54048-52	24041542-052	Total/NA	Water	PrecSep_0	
160-54048-53	24041542-053	Total/NA	Water	PrecSep_0	
160-54048-54	24041542-054	Total/NA	Water	PrecSep_0	
160-54048-55	24041542-055	Total/NA	Water	PrecSep_0	
160-54048-56	24041542-056	Total/NA	Water	PrecSep_0	
160-54048-57	24041542-057	Total/NA	Water	PrecSep_0	
160-54048-58	24041542-058	Total/NA	Water	PrecSep_0	
160-54048-59	24041542-059	Total/NA	Water	PrecSep_0	
160-54048-60	24041542-060	Total/NA	Water	PrecSep_0	
MB 160-661790/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-661790/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-54048-45 DU	24041542-045	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-54048-3
SDG: 24041542

Method: 903.0 - Radium-226 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba					
Lab Sample ID	Client Sample ID	(30-110)					
160-54048-41	24041542-041	93.3					
160-54048-42	24041542-042	92.0					
160-54048-43	24041542-043	89.6					
160-54048-44	24041542-044	90.0					
160-54048-45	24041542-045	88.6					
160-54048-45 DU	24041542-045	80.6					
160-54048-46	24041542-046	90.3					
160-54048-47	24041542-047	89.6					
160-54048-48	24041542-048	90.3					
160-54048-49	24041542-049	82.8					
160-54048-50	24041542-050	92.0					
160-54048-51	24041542-051	83.1					
160-54048-52	24041542-052	89.6					
160-54048-53	24041542-053	82.6					
160-54048-54	24041542-054	82.8					
160-54048-55	24041542-055	95.5					
160-54048-56	24041542-056	91.0					
160-54048-57	24041542-057	91.5					
160-54048-58	24041542-058	98.0					
160-54048-59	24041542-059	89.1					
160-54048-60	24041542-060	95.0					
160-54048-61	24041542-063	64.9					
160-54048-62	24041542-064	91.8					
LCS 160-661786/2-A	Lab Control Sample	96.8					
LCS 160-661789/2-A	Lab Control Sample	94.5					
MB 160-661786/1-A	Method Blank	94.3					
MB 160-661789/1-A	Method Blank	89.8					

Tracer/Carrier Legend

Ba = Ba Carrier

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)					
		Ba		Y			
Lab Sample ID	Client Sample ID	(30-110)	(30-110)				
160-54048-41	24041542-041	93.3	81.5				
160-54048-42	24041542-042	92.0	78.9				
160-54048-43	24041542-043	89.6	83.0				
160-54048-44	24041542-044	90.0	82.6				
160-54048-45	24041542-045	88.6	80.7				
160-54048-45 DU	24041542-045	80.6	80.7				
160-54048-46	24041542-046	90.3	81.5				
160-54048-47	24041542-047	89.6	82.2				
160-54048-48	24041542-048	90.3	78.9				
160-54048-49	24041542-049	82.8	81.9				
160-54048-50	24041542-050	92.0	84.5				
160-54048-51	24041542-051	83.1	84.5				
160-54048-52	24041542-052	89.6	80.0				

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Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 2, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

Client: TekLab, Inc
Project/Site: Radium-226 and Radium-228

Job ID: 160-54048-3
SDG: 24041542

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-54048-53	24041542-053	82.6	84.5
160-54048-54	24041542-054	82.8	82.6
160-54048-55	24041542-055	95.5	83.4
160-54048-56	24041542-056	91.0	84.9
160-54048-57	24041542-057	91.5	87.5
160-54048-58	24041542-058	98.0	87.1
160-54048-59	24041542-059	89.1	79.6
160-54048-60	24041542-060	95.0	83.7
160-54048-61	24041542-063	64.9	84.5
160-54048-62	24041542-064	91.8	80.7
LCS 160-661787/2-A	Lab Control Sample	96.8	80.4
LCS 160-661790/2-A	Lab Control Sample	94.5	76.3
MB 160-661787/1-A	Method Blank	94.3	67.7
MB 160-661790/1-A	Method Blank	89.8	84.5

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	AP2D	Groundwater Sample	71.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
002	G1001	Groundwater Sample	68.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
003	G1003	Groundwater Sample	70.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
004	G101	Groundwater Sample	75.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
005	G102	Groundwater Sample	76.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
006	G103	Groundwater Sample	78.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
007	G105	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
008	G106	Groundwater Sample	82.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
009	G107	Groundwater Sample	67.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
010	G108	Groundwater Sample	71.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
011	G109	Groundwater Sample	70.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
012	G110	Groundwater Sample	76.0	None	S	Clear	Good	Good	Good	Yes	Yes
013	G111	Groundwater Sample	76.0	None	S	Clear	Good	Good	Good	Yes	Yes
014	G119	Groundwater Sample	76.0	None	W	Clear	Good	Good	Good	Yes	Yes
015	G120	Groundwater Sample	77.0	None	NW	Clear	Good	Good	Good	Yes	Yes
016	G121	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
017	G122	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
018	G123	Groundwater Sample	69.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
019	G124	Groundwater Sample	78.0	None	NW	Clear	Good	Good	Good	Yes	Yes
020	G125	Groundwater Sample	72.0	None	SE	Clear	Good	Good	Good	Yes	Yes
021	G126	Groundwater Sample	68.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
022	G151	Groundwater Sample	65.0	None	SE	Clear	Good	Good	Good	Yes	Yes
023	G152	Groundwater Sample	71.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
024	G153	Groundwater Sample	73.0	None	S	Clear	Good	Good	Good	Yes	Yes
025	G154	Groundwater Sample	72.0	None	SE	Clear	Good	Good	Good	Yes	Yes
026	G155	Groundwater Sample	67.0	None	SE	Clear	Good	Good	Good	Yes	Yes
027	G200	Groundwater Sample	74.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
028	G206	Groundwater Sample	70.0	None	NW	Clear	Good	Good	Good	Yes	Yes
029	G206D	Groundwater Sample	64.0	None	NW	Clear	Good	Good	Good	Yes	Yes
030	G207	Groundwater Sample	73.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
031	G208	Groundwater Sample	71.0	None	NW	Clear	Good	Good	Good	Yes	Yes
032	G209	Groundwater Sample	74.0	None	NE	Clear	Good	Good	Good	Yes	Yes
033	G210	Groundwater Sample	72.0	None	E	Clear	Good	Good	Good	Yes	Yes
034	G211	Groundwater Sample	71.0	None	E	Clear	Good	Good	Good	Yes	Yes
035	G212	Groundwater Sample	70.0	None	E	Clear	Good	Good	Good	Yes	Yes

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
036	G213	Groundwater Sample	70.0	None	E	Clear	Good	Good	Good	Yes	Yes
037	G214	Groundwater Sample	76.0	None	NW	Clear	Good	Good	Good	Yes	Yes
038	G215	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes
039	G216	Groundwater Sample	72.0	None	NW	Clear	Good	Good	Good	Yes	Yes
040	G217	Groundwater Sample	81.0	None	N	Clear	Good	Good	Good	Yes	Yes
041	G218	Groundwater Sample	78.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
042	G270	Groundwater Sample	70.0	None	N	Clear	Good	Good	Good	Yes	Yes
043	G271	Groundwater Sample	78.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
044	G272	Groundwater Sample	77.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
045	G273	Groundwater Sample	76.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
046	G274	Groundwater Sample	79.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
047	G275	Groundwater Sample	73.0	None	N	Clear	Good	Good	Good	Yes	Yes
048	G275D	Groundwater Sample	71.0	None	N	Clear	Good	Good	Good	Yes	Yes
049	G276	Groundwater Sample	70.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
050	G277	Groundwater Sample	68.0	None	S	Cloudy	Good	Good	Good	Yes	Yes
051	G278	Groundwater Sample	72.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
052	G279	Groundwater Sample	67.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
053	G280	Groundwater Sample	70.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
054	G281	Groundwater Sample	69.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
055	G283	Groundwater Sample	63.0	Light	W	Cloudy	Good	Good	Good	Yes	Yes
056	G284	Groundwater Sample	65.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
057	G285	Groundwater Sample	67.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
058	G301	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
059	G302	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
060	G303	Groundwater Sample	77.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
061	G305	Groundwater Sample	76.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
062	G306	Groundwater Sample	75.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
063	G307	Groundwater Sample	77.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
064	G307D	Groundwater Sample	75.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
065	G308	Groundwater Sample	77.0	None	N	Clear	Good	Good	Good	Yes	Yes
066	G310	Groundwater Sample	73.0	None	N	Clear	Good	Good	Good	Yes	Yes
067	G312	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
068	G313	Groundwater Sample	75.0	None	NE	Clear	Good	Good	Good	Yes	Yes
069	G314	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes
070	G314D	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
071	G315	Groundwater Sample	70.0	None	NE	Clear	Good	Good	Good	Yes	Yes
072	G316	Groundwater Sample	73.0	None	NW	Clear	Good	Good	Good	Yes	Yes
073	G401	Groundwater Sample	83.0	None	NE	Clear	Good	Good	Good	Yes	Yes
074	G402	Groundwater Sample	65.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
075	G403	Groundwater Sample	63.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
076	G404	Groundwater Sample	68.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
077	G405	Groundwater Sample	69.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
078	G406	Groundwater Sample	63.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
079	G407	Groundwater Sample	55.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
080	G410	Groundwater Sample	70.0	None	NW	Clear	Good	Good	Good	Yes	Yes
081	G411	Groundwater Sample	55.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
082	L202	Leachate Sample	77.0	None	NW	Cloudy					
083	NE Riser	DTW Only	55.0	None	E	Cloudy					
084	R104	Groundwater Sample	81.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
085	R201	Groundwater Sample	74.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
086	R205	Groundwater Sample	76.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
087	SG-02	DTW Only	55.0	None	E	Cloudy					
088	SG-03	DTW Only	55.0	None	E	Cloudy					
089	T127	Groundwater Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
090	T128	Groundwater Sample	74.0	None	W	Partly cloudy	Good	Good	Good	Yes	Yes
091	X201	Groundwater Sample	76.0	None	SW	Partly cloudy				Yes	
092	XPW01	Groundwater Sample	78.0	None	SW	Partly cloudy	Good	Good	Good	Yes	No
093	XPW02	Groundwater Sample	75.0	None	NE	Cloudy	Good	Good	Good	Yes	Yes
094	XSG-01	DTW Only	55.0	None	E	Cloudy					
095	Field Blank	QA/QC Sample	71.0	None	SE	Partly cloudy					
096	G102 Duplicate	QA/QC Sample	76.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
097	G200 Duplicate	QA/QC Sample	74.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
098	G217 Duplicate	QA/QC Sample	81.0	None	N	Clear	Good	Good	Good	Yes	Yes
099	G301 Duplicate	QA/QC Sample	65.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
100	R201 Duplicate	QA/QC Sample	74.0	None	NW	Cloudy	Good	Good	Good	Yes	Yes
101	Equipment Blank 1	QA/QC Sample	71.0	None	SE	Partly cloudy					
102	Equipment Blank 2	QA/QC Sample									
103	Equipment Blank 3	QA/QC Sample									
104	G219	Groundwater Sample	70.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes
105	G220	Groundwater Sample	73.0	None	S	Partly cloudy	Good	Good	Good	Yes	Yes

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	GW Level Measurement				Purge Activities						
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Purge Rate (mL/min)
001	AP2D	JC	5/8/24 9:18	20.50	35.43	JC	5/8/2024	09:25	09:52	Submersible Pump	4"	370.4
002	G1001	TAC	5/7/24 9:38	5.73	13.79	TAC	5/7/2024	09:42	10:16	Peristaltic Pump	2"	147.1
003	G1003	BG	5/6/24 13:18	11.16	11.16							
004	G101	JC	5/2/24 9:59	3.90	24.30	JC	5/2/2024	09:59	10:22	Bladder Pump	2"	282.6
005	G102	JC	5/2/24 10:41	4.33	20.00	JC	5/2/2024	10:41	11:03	Bladder Pump	2"	272.7
006	G103	JC	5/2/24 11:47	8.89	26.90	JC	5/2/2024	11:47	12:26	Bladder Pump	2"	230.8
007	G105	JC	5/2/24 13:17	8.23	27.70	JC	5/2/2024	13:18	13:30	Bladder Pump	2"	250.0
008	G106	JC	5/2/24 13:58	9.13	25.60	JC	5/2/2024	13:58	14:15	Bladder Pump	2"	235.3
009	G107	JC	5/3/24 9:03	8.61	22.70	JC	5/3/2024	09:05	09:20	Bladder Pump	2"	266.7
010	G108	JC	5/1/24 10:00	8.74	26.60	JC	5/1/2024	10:10	10:36	Bladder Pump	2"	230.8
011	G109	JC	5/1/24 9:33	8.44	26.30	JC	5/1/2024	09:33	09:53	Bladder Pump	2"	250.0
012	G110	JC	4/30/24 14:36	9.30	27.50	JC	4/30/2024	14:36	14:48	Bladder Pump	2"	250.0
013	G111	JC	4/30/24 13:57	9.23	24.30	JC	4/30/2024	13:57	14:11	Bladder Pump	2"	250.0
014	G119	JC	5/1/24 11:38	14.96	27.40	JC	5/1/2024	11:46	12:22	Bladder Pump	2"	250.0
015	G120	JC	5/1/24 12:32	13.99	26.70	JC	5/1/2024	12:35	12:51	Bladder Pump	2"	312.5
016	G121	JC	5/1/24 12:58	13.92	29.10	JC	5/1/2024	13:06	13:21	Bladder Pump	2"	233.3
017	G122	JC	5/1/24 13:25	12.49	26.50	JC	5/1/2024	13:37	13:59	Bladder Pump	2"	227.3
018	G123	BG	5/7/24 9:30	10.84	30.90	BG	5/7/2024	09:30	10:01	Peristaltic Pump	2"	161.3
019	G124	JC	5/1/24 14:15	11.38	26.70	JC	5/1/2024	14:16	14:51	Bladder Pump	2"	200.0
020	G125	JC	5/2/24 9:19	11.12	26.70	JC	5/2/2024	09:20	09:41	Bladder Pump	2"	285.7
021	G126	JC	5/3/24 9:28	8.51	20.40	JC	5/3/2024	09:33	09:53	Bladder Pump	2"	200.0
022	G151	JC	4/30/24 9:51	10.05	23.60	JC	4/30/2024	09:52	10:11	Bladder Pump	2"	210.5
023	G152	BG	5/7/24 10:28	9.34	22.00	BG	5/7/2024	10:28	11:15	Peristaltic Pump	2"	106.4
024	G153	JC	4/30/24 12:19	10.54	23.90	JC	4/30/2024	12:19	12:38	Bladder Pump	2"	210.5
025	G154	JC	4/30/24 11:43	6.54	22.80	JC	4/30/2024	11:43	12:01	Bladder Pump	2"	250.0
026	G155	JC	4/30/24 10:35	9.25	26.20	JC	4/30/2024	10:35	11:21	Bladder Pump	2"	217.4
027	G200	JC	5/7/24 12:23	2.90	20.70	JC	5/7/2024	12:24	12:53	Submersible Pump	2"	275.9
028	G206	BG	4/30/24 10:35	9.69	26.30	BG	4/30/2024	10:35	10:57	Bladder Pump	2"	272.7
029	G206D	BG		29.57		BG	4/30/2024	09:46	10:28	Bladder Pump	2"	214.3
030	G207	BG	5/7/24 11:32	10.25	26.60	BG	5/7/2024	11:32	11:46	Peristaltic Pump	2"	214.3
031	G208	bg	4/30/24 11:12	10.36	26.60	BG	4/30/2024	11:12	11:27	Bladder Pump	2"	113.3
032	G209	BG	5/1/24 11:40	9.64	25.50	BG	5/1/2024	11:40	12:16	Bladder Pump	2"	83.3
033	G210	bg	5/1/24 10:53	9.90	25.00	BG	5/1/2024	10:53	11:27	Bladder Pump	2"	294.1
034	G211	BG	5/1/24 10:02	9.85	26.30	BG	5/1/2024	10:02	10:40	Bladder Pump	2"	171.1
035	G212	BG	5/1/24 9:39	10.30		BG	5/1/2024	09:39	09:52	Bladder Pump	2"	115.4

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	GW Level Measurement				Purge Activities						
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Purge Rate (mL/min)
036	G213	BG	5/6/24 1359	10.98	26.50	BG	5/6/2024	13:56	14:28	Bladder Pump	2"	140.6
037	G214	BG	4/30/24 13:51	13.98	26.50	BG	4/30/2024	13:51	14:17	Bladder Pump	2"	384.6
038	G215	BG	4/30/24 12:35	13.89	26.90	BG	4/30/2024	12:35	13:19	Bladder Pump	2"	227.3
039	G216	BG	4/30/24 11:42	13.22	28.50	BG	4/30/2024	11:42	12:20	Bladder Pump	2"	223.7
040	G217	BG	5/2/24 12:06	13.75	28.40	BG	5/2/2024	12:06	12:39	Bladder Pump	2"	272.7
041	G218	BG	5/2/24 11:00	12.93	28.50	BG	5/2/2024	11:00	11:47	Bladder Pump	2"	191.5
042	G270	BG	5/8/24 9:26	1.94	20.40	BG	5/8/2024	09:26	09:40	Peristaltic Pump	2"	178.6
043	G271	BG	5/1/24 13:22	8.40	18.70	BG	5/1/2024	13:22	13:37	Bladder Pump	2"	200.0
044	G272	BG	5/1/24 12:44	8.80	17.40	BG	5/1/2024	12:44	13:10	Bladder Pump	2"	173.1
045	G273	BG	5/1/24 12:13	8.65	18.90	BG	5/1/2024	12:13	12:30	Bladder Pump	2"	352.9
046	G274	BG	5/1/24 13:55	12.38	20.40	BG	5/1/2024	13:55	14:21	Bladder Pump	2"	192.3
047	G275	BG	5/2/24 10:18	12.64	15.30	BG	5/2/2024	10:18	10:33	Bladder Pump	2"	133.3
048	G275D	BG	5/2/24 9:23	46.64	62.70	BG	5/2/2024	09:23	09:58	Bladder Pump	2"	85.7
049	G276	TAC	5/7/24 10:53	26.70	30.90	TAC	5/7/2024	11:12	11:45	Peristaltic Pump	2"	151.5
050	G277	JC	5/7/24 9:18	19.56	22.30	JC	5/7/2024	09:18	09:40	Bladder Pump	2"	181.8
051	G278	TAC	5/7/24 12:43	23.97	26.40	TAC	5/7/2024	12:44	13:31	Peristaltic Pump	2"	148.9
052	G279	BG	5/3/24 9:16	21.98	30.80	BG	5/3/2024	09:16	09:40	Bladder Pump	2"	83.3
053	G280	JC	5/6/24 13:35	3.86	20.20	JC	5/6/2024	13:37	14:07	Bladder Pump	2"	200.0
054	G281	JC	5/3/24 10:06	4.24	22.80	JC	5/3/2024	10:06	10:27	Bladder Pump	2"	238.1
055	G283	BG	5/6/24 10:19	4.18	20.80	BG	5/6/2024	10:19	10:59	Bladder Pump	2"	137.5
056	G284	BG	5/6/24 11:14	10.00	16.30	BG	5/6/2024	11:14	11:36	Bladder Pump	2"	181.8
057	G285	BG	5/6/24 11:52	4.80	26.80	BG	5/6/2024	11:52	12:22	Bladder Pump	2"	166.7
058	G301	TAC	5/6/24 9:55	6.18	18.60	TAC	5/6/2024	09:59	10:28	Bladder Pump	2"	206.9
059	G302	TAC	5/6/24 11:21	5.52	20.50	TAC	5/6/2024	11:21	11:54	Bladder Pump	2"	265.2
060	G303	TAC	5/1/24 10:17	3.69	23.30	TAC	5/1/2024	10:17	10:49	Bladder Pump	2"	140.6
061	G305	TAC	5/1/24 14:13	6.04	21.50	TAC	5/1/2024	14:14	14:41	Bladder Pump	2"	259.3
062	G306	TAC	5/1/24 12:59	5.42	20.90	TAC	5/1/2024	13:00	13:47	Bladder Pump	2"	255.3
063	G307	TAC	5/2/24 12:28	0.00	20.60	TAC	5/2/2024	13:30	14:32	Peristaltic Pump	2"	161.3
064	G307D	TAC	5/2/24 11:09	2.83	62.00	TAC	5/2/2024	11:10	11:35	Bladder Pump	2"	260.0
065	G308	TAC	5/2/24 12:26	4.12	18.20	TAC	5/2/2024	12:27	12:53	Bladder Pump	2"	192.3
066	G310	TAC	5/2/24 9:24	7.23	18.40	TAC	5/3/2024	09:25	09:55	Bladder Pump	2"	233.3
067	G312	TAC	5/6/24 12:37	10.18	17.80	TAC	5/6/2024	12:38	13:29	Bladder Pump	2"	215.7
068	G313	TAC	5/1/24 11:47	3.01	14.30	TAC	5/1/2024	11:48	12:13	Bladder Pump	2"	360.0
069	G314	TAC	4/30/24 13:35	5.48	22.80	TAC	4/30/2024	13:36	14:13	Bladder Pump	2"	162.2
070	G314D	TAC	4/30/24 12:24	5.82	52.30	TAC	4/30/2024	12:25	13:07	Bladder Pump	2"	166.7

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	GW Level Measurement				Purge Activities						
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Purge Rate (mL/min)
071	G315	TAC	5/2/24 10:03	2.34	17.40	TAC	5/2/2024	10:04	10:31	Bladder Pump	2"	166.7
072	G316	TAC	4/30/24 11:21	10.95	18.10	TAC	4/30/2024	11:22	11:56	Bladder Pump	2"	264.7
073	G401	BG	5/2/24 13:44	20.94	21.80	BG	5/2/2024	13:44	14:06	Bladder Pump	2"	136.4
074	G402	JC	5/6/24 11:27	8.74	23.40	JC	5/6/2024	11:27	12:00	Bladder Pump	2"	212.1
075	G403	JC	5/6/24 10:13	6.26	20.80	JC	5/6/2024	10:15	10:28	Bladder Pump	2"	230.8
076	G404	JC	5/6/24 12:32	3.80	14.10	JC	5/6/2024	12:32	12:44	Bladder Pump	2"	250.0
077	G405	JC	5/6/24 12:59	6.05	16.40	JC	5/6/2024	13:00	13:13	Bladder Pump	2"	230.8
078	G406	JC	5/6/24 10:48	10.24	22.30	JC	5/6/2024	10:48	11:05	Bladder Pump	2"	235.3
079	G407	TAC	4/29/24 14:09	4.27	23.00	TAC	4/29/2024	14:10	14:52	Bladder Pump	2"	190.5
080	G410	TAC	4/30/24 10:05	6.21	16.70	TAC	4/30/2024	10:06	10:36	Bladder Pump	2"	400.0
081	G411	TAC	4/29/24 12:40	4.33	19.20	TAC	4/29/2024	12:41	13:11	Bladder Pump	2"	250.0
082	L202	-	-	-	-	BG	5/8/2024	11:11	11:11	Direct Grab		-
083	NE Riser	BG	4/29/24 13:04	1.05	-							
084	R104	JC	5/2/24 12:42	6.85	22.70	JC	5/2/2024	12:42	13:00	Bladder Pump	2"	222.2
085	R201	BG	5/7/24 12:13	2.59	22.20	BG	5/7/2024	12:13	12:43	Peristaltic Pump	2"	100.0
086	R205	BG	5/7/24 13:20	4.29	19.00	BG	5/7/2024	13:20	13:46	Peristaltic Pump	2"	115.4
087	SG-02	JC	4/29/24 15:29	6.68								
088	SG-03	JC	4/29/24 10:27	7.94								
089	T127	TAC	5/6/24 14:09	13.81	21.28	TAC	5/6/2024	14:31	15:06	Peristaltic Pump	2"	228.6
090	T128	JC	5/1/24 10:59	13.83	28.70	JC	5/1/2024	10:59	11:31	Bladder Pump	2"	218.8
091	X201	-	-	-		JC	5/7/2024	13:25	13:25	Direct Grab		
092	XPW01	JC	5/7/24 13:35	4.63	16.10	JC	5/7/2024	13:38	13:55	Bladder Pump	2"	235.3
093	XPW02	BG	5/8/24 10:24	9.87	21.30	BG	5/8/2024	10:24	10:49	Bladder Pump	2"	180.0
094	XSG-01	JC	4/29/24 11:10	7.94								
095	Field Blank											
096	G102 Duplicate	JC	5/2/24 10:41	4.33	20.00	JC	5/2/2024	10:41	11:03	Bladder Pump	2"	272.7
097	G200 Duplicate	JC	5/7/24 12:23	2.90	20.70	JC	5/7/2024	12:24	12:53	Submersible Pump	2"	275.9
098	G217 Duplicate	BG	5/2/24 12:06	13.75	28.40	BG	5/2/2024	12:06	12:39	Bladder Pump	2"	272.7
099	G301 Duplicate	TAC	5/6/24 9:55	6.18	18.60	TAC	5/6/2024	09:59	10:28	Bladder Pump	2"	206.9
100	R201 Duplicate	BG	5/7/24 12:13	2.59	22.20	BG	5/7/2024	12:13	12:43	Peristaltic Pump	2"	100.0
101	Equipment Blank 1											
102	Equipment Blank 2											
103	Equipment Blank 3											
104	G219	JC	5/7/24 10:40	6.45	18.52	JC	5/7/2024	10:43	11:10	Submersible Pump	2"	333.3
105	G220	JC	5/7/24 11:35	12.10	27.91	JC	5/7/2024	11:37	12:08	Submersible Pump	2"	387.1

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	AP2D	JC	05/08/24	09:52	Low Flow	218083	No	Clear	Moderate	lt rust	20.50	0
002	G1001	TAC	05/07/24	10:16	Low Flow	45986	No	Clear	None	None	8.11	2.38
003	G1003											
004	G101	JC	05/02/24	10:22	Low Flow	218083	Yes	Slightly cloudy	None	none	3.90	0
005	G102	JC	05/02/24	11:03	Low Flow	218083	Yes	Clear	None	none	4.33	0
006	G103	JC	05/02/24	12:26	Low Flow	218083	Yes	Clear	None	none	10.65	1.76
007	G105	JC	05/02/24	13:30	Low Flow	218083	Yes	Clear	None	none	8.23	0
008	G106	JC	05/02/24	14:15	Low Flow	218083	Yes	Clear	None	none	10.10	0.97
009	G107	JC	05/03/24	09:20	Low Flow	218083	Yes	Clear	None	none	9.33	0.72
010	G108	JC	05/01/24	10:36	Low Flow	218083	Yes	Clear	None	none	8.74	0
011	G109	JC	05/01/24	09:53	Low Flow	218083	Yes	Clear	None	none	8.44	0
012	G110	JC	04/30/24	14:48	Low Flow	218083	Yes	Clear	None	none	9.30	0
013	G111	JC	04/30/24	14:11	Low Flow	218083	Yes	Clear	None	none	9.23	0
014	G119	JC	05/01/24	12:22	Low Flow	218083	Yes	Clear	None	none	14.96	0
015	G120	JC	05/01/24	12:51	Low Flow	218083	Yes	Clear	None	none	16.41	2.42
016	G121	JC	05/01/24	13:21	Low Flow	218083	Yes	Clear	None	none	16.30	2.38
017	G122	JC	05/01/24	13:59	Low Flow	218083	Yes	Clear	None	none	13.75	1.26
018	G123	BG	05/07/24	10:01	Low Flow	26559	Yes	Clear	None	LT BROWN	12.15	1.31
019	G124	JC	05/01/24	14:51	Low Flow	218083	Yes	Clear	None	none	12.44	1.06
020	G125	JC	05/02/24	09:41	Low Flow	218083	Yes	Clear	None	none	11.12	0
021	G126	JC	05/03/24	09:53	Low Flow	218083	Yes	Clear	None	none	8.51	0
022	G151	JC	04/30/24	10:11	Low Flow	218083	Yes	Clear	None	none	10.05	0
023	G152	BG	05/07/24	11:15	Low Flow	26559	Yes	Clear	None	CLEAR	13.03	3.69
024	G153	JC	04/30/24	12:38	Low Flow	218083	Yes	Clear	None	none	13.09	2.55
025	G154	JC	04/30/24	12:01	Low Flow	218083	Yes	Clear	None	none	6.54	0
026	G155	JC	04/30/24	11:21	Low Flow	218083	Yes	Clear	None	none	9.25	0
027	G200	JC	05/07/24	12:53	Low Flow	218083	Yes	Slightly cloudy	Slight	none	2.98	0.08
028	G206	BG	04/30/24	10:57	Low Flow	26559	Yes	Clear	None	Lt Yellow	17.76	8.07
029	G206D	BG	04/30/24	10:28	Low Flow	26559	No	Clear	None	CLEAR	34.67	5.1
030	G207	BG	05/07/24	11:46	Low Flow	26559	Yes	Clear	None	CLEAR	10.76	0.51
031	G208	BG	04/30/24	11:27	Low Flow	26559	Yes	Clear	None	CLEAR	10.36	0
032	G209	BG	05/01/24	12:16	Low Flow	26559	Yes	Clear	Slight	Clear	10.73	1.09
033	G210	BG	05/01/24	11:27	Low Flow	26559	Yes	Clear	None	Clear	10.89	
034	G211	BG	05/01/24	10:40	Low Flow	26559	Yes	Clear	None	CLEAR	11.16	1.31
035	G212	BG	05/01/24	09:52	Low Flow	26559	Yes	Clear	None	CLEAR	10.98	0.68

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
036	G213	BG	05/06/24	14:28	Low Flow	26559	Yes	Clear	Slight	Lt Yellow	11.04	0.06
037	G214	BG	04/30/24	14:17	Low Flow	26559	Yes	Clear	None	CLRAR	14.94	0.96
038	G215	BG	04/30/24	13:19	Low Flow	26559	Yes	Clear	None	CLEAR	16.67	2.78
039	G216	BG	04/30/24	12:20	Low Flow	26559	Yes	Slightly cloudy	Slight	Lt Orange	16.13	2.91
040	G217	BG	05/02/24	12:39	Low Flow	26559	Yes	Clear	None	CLEAR	14.01	0.26
041	G218	BG	05/02/24	11:47	Low Flow	26559	Yes	Clear	None	CLEAR	13.15	0.22
042	G270	BG	05/08/24	09:40	Low Flow	26559	Yes	Clear	Slight	CLEAR	1.92	-0.02
043	G271	BG	05/01/24	13:37	Low Flow	26559	Yes	Clear	None	CLEAR	8.98	0.58
044	G272	BG	05/01/24	13:10	Low Flow	26559	Yes	Slightly cloudy	None	LT BROWN	8.92	0.12
045	G273	BG	05/01/24	12:30	Low Flow	26559	Yes	Clear	None	CLEAR	9.05	0.4
046	G274	BG	05/01/24	14:21	Low Flow	26559	Yes	Clear	None	CLEAR	13.03	0.65
047	G275	BG	05/02/24	10:33	Low Flow	26559	Yes	Clear	None	CLEAR	T.O.P	N/A
048	G275D	BG	05/02/24	09:58	Low Flow	26559	Yes	Clear	None	LT BROWN	47.47	0.83
049	G276	TAC	05/07/24	11:45	Low Flow	45986	Yes	Clear	None	None	28.15	1.45
050	G277	JC	05/07/24	09:40	Low Flow	218083	Yes	Clear	None	none	19.86	0.3
051	G278	TAC	05/07/24	13:31	Low Flow	45986	Yes	Clear	None	None	24.86	0.89
052	G279	BG	05/03/24	09:40	Low Flow	26559	Yes	Clear	None	CLEAR	22.01	0.03
053	G280	JC	05/06/24	14:07	Low Flow	218083	Yes	Clear	None	none	3.86	0
054	G281	JC	05/03/24	10:27	Low Flow	218083	Yes	Cloudy	None	none	4.24	0
055	G283	BG	05/06/24	10:59	Low Flow	26559	No	Clear	None	cLEAR	4.98	0.8
056	G284	BG	05/06/24	11:36	Low Flow	26559	No	Clear	None	CLEAR	11.04	1.04
057	G285	BG	05/06/24	12:22	Low Flow	26559	No	Clear	None	CLEAR	5.21	0.41
058	G301	TAC	05/06/24	10:28	Low Flow	45986	No	Clear	None	None	7.39	1.21
059	G302	TAC	05/06/24	11:54	Low Flow	45986	No	Clear	None	None	6.42	0.9
060	G303	TAC	05/01/24	10:49	Low Flow	45986	No	Clear	None	None	4.98	1.29
061	G305	TAC	05/01/24	14:41	Low Flow	45986	No	Clear	None	None	6.15	0.11
062	G306	TAC	05/01/24	13:47	Low Flow	45986	No	Clear	None	None	9.58	4.16
063	G307	TAC	05/02/24	14:32	Low Flow	45986	No	Clear	None	None	0.00	0
064	G307D	TAC	05/02/24	11:35	Low Flow	45986	No	Clear	None	None	11.63	8.8
065	G308	TAC	05/02/24	12:53	Low Flow	45986	No	Clear	None	None	4.76	0.64
066	G310	TAC	05/03/24	09:55	Low Flow	45986	No	Clear	None	None	7.52	0.29
067	G312	TAC	05/06/24	13:29	Low Flow	45986	No	Clear	None	None	11.29	1.11
068	G313	TAC	05/01/24	12:13	Low Flow	45986	No	Clear	None	None	3.80	0.79
069	G314	TAC	04/30/24	14:13	Low Flow	45986	No	Clear	None	None	13.89	8.41
070	G314D	TAC	04/30/24	13:07	Low Flow	45986	No	Clear	None	None	17.15	11.33

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 2Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
071	G315	TAC	05/02/24	10:31	Low Flow	45986	No	Clear	None	None	2.75	0.41
072	G316	TAC	04/30/24	11:56	Low Flow	45986	No	Clear	None	None	11.90	0.95
073	G401	BG	05/02/24	14:06	Low Flow	26559	Yes	Clear	None	Clear	20.00	-0.94
074	G402	JC	05/06/24	12:00	Low Flow	218083	Yes	Slightly cloudy	None	none	8.74	0
075	G403	JC	05/06/24	10:28	Low Flow	218083	Yes	Clear	None	none	6.26	0
076	G404	JC	05/06/24	12:44	Low Flow	218083	Yes	Clear	None	none	3.80	0
077	G405	JC	05/06/24	13:13	Low Flow	218083	Yes	Clear	None	none	6.05	0
078	G406	JC	05/06/24	11:05	Low Flow	218083	Yes	Clear	None	none	10.24	0
079	G407	TAC	04/29/24	14:52	Low Flow	45986	Yes	Clear	None	None	10.59	6.32
080	G410	TAC	04/30/24	10:36	Low Flow	45986	Yes	Clear	None	None	8.13	1.92
081	G411	TAC	04/29/24	13:11	Low Flow	45986	Yes	Clear	None	None	4.81	0.48
082	L202	BG	05/08/24	11:11	No Purge	26559	No	Clear	Slight	none	-	N/A
083	NE Riser											
084	R104	JC	05/02/24	13:00	Low Flow	218083	Yes	Clear	None	none	8.94	2.09
085	R201	BG	05/07/24	12:43	Low Flow	26559	Yes	Clear	Slight	CLEAR	3.12	0.53
086	R205	BG	05/07/24	13:46	Low Flow	26559	Yes	Clear	None	CLEAR	4.97	0.68
087	SG-02											
088	SG-03											
089	T127	TAC	05/06/24	15:06	Low Flow	45986	Yes	Clear	None	None	14.19	0.38
090	T128	JC	05/01/24	11:31	Low Flow	218083	Yes	Clear	None	none	13.83	0
091	X201	JC	05/07/24	13:25	No Purge	218083	No	Clear	None	none	-	N/A
092	XPW01	JC	05/07/24	13:55	Low Flow	218083	No	Clear	None	none	4.63	0
093	XPW02	BG	05/08/24	10:49	Low Flow	26559	Yes	Clear	None	CLREAR	10.87	1
094	XSG-01											
095	Field Blank	JC	05/08/24	11:21								
096	G102 Duplicate	JC	05/02/24	11:03	Low Flow	218083	Yes	Clear	None	none	4.33	0
097	G200 Duplicate	JC	05/07/24	12:53	Low Flow	218083	Yes	Slightly cloudy	Slight	none	2.98	0.08
098	G217 Duplicate	BG	05/02/24	12:39	Low Flow	26559	Yes	Clear	None	CLEAR	14.01	0.26
099	G301 Duplicate	TAC	05/06/24	10:28	Low Flow	45986	No	Clear	None	None	7.39	1.21
100	R201 Duplicate	BG	05/07/24	12:43	Low Flow	26559	Yes	Clear	Slight	CLEAR	3.12	0.53
101	Equipment Blank 1	JC	05/08/24	11:35								
102	Equipment Blank 2											
103	Equipment Blank 3											
104	G219	JC	05/07/24	11:10	Low Flow	218083	No	Clear	None	none	8.55	2.1
105	G220	JC	05/07/24	12:08	Low Flow	218083	No	Clear	None	none	12.34	0.24

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	COMMENTS
001	AP2D	
002	G1001	
003	G1003	DRY- no sample
004	G101	
005	G102	
006	G103	
007	G105	
008	G106	
009	G107	
010	G108	
011	G109	
012	G110	
013	G111	
014	G119	
015	G120	
016	G121	
017	G122	
018	G123	
019	G124	
020	G125	
021	G126	
022	G151	
023	G152	
024	G153	
025	G154	
026	G155	
027	G200	
028	G206	
029	G206D	
030	G207	
031	G208	
032	G209	
033	G210	
034	G211	
035	G212	

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	COMMENTS
036	G213	
037	G214	
038	G215	
039	G216	
040	G217	
041	G218	
042	G270	
043	G271	
044	G272	
045	G273	
046	G274	
047	G275	13.28 post-sample DTW is top of pump
048	G275D	
049	G276	
050	G277	
051	G278	
052	G279	
053	G280	
054	G281	
055	G283	
056	G284	
057	G285	
058	G301	
059	G302	
060	G303	
061	G305	
062	G306	
063	G307	Sampled under artesian conditions (mechanical packer well)
064	G307D	
065	G308	
066	G310	
067	G312	
068	G313	
069	G314	
070	G314D	

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary

Coffeen- 2Q 2024

WO Sample	Well ID	COMMENTS
071	G315	
072	G316	
073	G401	
074	G402	
075	G403	
076	G404	
077	G405	
078	G406	
079	G407	
080	G410	
081	G411	
082	L202	L203 inoperable; alternative location L202 sampled; direct from line
083	NE Riser	
084	R104	
085	R201	
086	R205	
087	SG-02	
088	SG-03	
089	T127	Pulled pump. Check ball keeps getting stuck during pumping
090	T128	
091	X201	Sampled directly from leachate line.
092	XPW01	
093	XPW02	
094	XSG-01	
095	Field Blank	
096	G102 Duplicate	
097	G200 Duplicate	
098	G217 Duplicate	
099	G301 Duplicate	
100	R201 Duplicate	
101	Equipment Blank 1	
102	Equipment Blank 2	Not used; not collected
103	Equipment Blank 3	Not used; not collected
104	G219	
105	G220	

Site Sampling Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
AP2D	5/8/2024	9:52	15.5	59.9	8.01	1,803.0	0.12	37.82	-200.3	20.50	24041541-001A
G1001	5/7/2024	10:16	17.7	63.9	6.82	1,048.1	2.79	2.87	3.4	5.73	24041541-002A
G1003	5/6/2024	13:18	Dry- No Sample							11.16	24041541-003A
G101	5/2/2024	10:22	13.8	56.8	7.37	781.9	0.34	51.61	54.1	3.90	24041541-004A
G102	5/2/2024	11:03	14.1	57.4	7.29	558.1	2.89	11.75	78.8	4.33	24041541-005A
G103	5/2/2024	12:26	15.8	60.4	7.05	901.7	0.96	4.20	93.6	8.89	24041541-006A
G105	5/2/2024	13:30	15.4	59.7	7.20	830.6	0.25	3.86	-111.6	8.23	24041541-007A
G106	5/2/2024	14:15	15.4	59.7	7.10	957.2	1.89	4.71	68.4	9.13	24041541-008A
G107	5/3/2024	9:20	15.6	60.0	7.33	763.7	5.02	10.26	80.3	8.61	24041541-009A
G108	5/1/2024	10:36	14.6	58.3	7.19	755.5	1.59	2.10	88.4	8.74	24041541-010A
G109	5/1/2024	9:53	13.9	57.0	7.01	960.2	0.18	28.90	92.9	8.44	24041541-011A
G110	4/30/2024	14:48	14.9	58.8	6.87	872.5	0.53	9.64	80.5	9.30	24041541-012A
G111	4/30/2024	14:11	15.0	58.9	7.15	903.8	1.89	3.31	62.7	9.23	24041541-013A
G119	5/1/2024	12:22	15.1	59.1	7.23	712.8	0.79	3.64	91.7	14.96	24041541-014A
G120	5/1/2024	12:51	16.3	61.4	7.34	775.2	6.83	8.37	111.2	13.99	24041541-015A
G121	5/1/2024	13:21	15.2	59.3	7.13	965.7	5.45	6.66	118.0	13.92	24041541-016A
G122	5/1/2024	13:59	16.8	62.2	6.89	1,179.4	2.98	13.52	107.9	12.49	24041541-017A
G123	5/7/2024	10:01	15.4	59.7	7.06	946.0	1.55	68.00	69.2	10.84	24041541-018A
G124	5/1/2024	14:51	14.8	58.6	7.20	875.1	2.83	20.76	109.7	11.38	24041541-019A
G125	5/2/2024	9:41	14.0	57.1	7.19	918.2	0.68	22.75	39.5	11.12	24041541-020A
G126	5/3/2024	9:53	14.1	57.4	7.16	805.8	1.35	4.48	80.8	8.51	24041541-021A
G151	4/30/2024	10:11	16.7	62.1	7.33	896.6	3.73	25.19	124.1	10.05	24041541-022A
G152	5/7/2024	11:15	16.6	61.8	7.21	781.9	3.20	8.38	36.5	9.34	24041541-023A
G153	4/30/2024	12:38	15.1	59.1	6.75	3,946.3	0.33	10.76	-59.3	10.54	24041541-024A
G154	4/30/2024	12:01	14.9	58.8	7.39	655.4	2.02	31.93	113.3	6.54	24041541-025A
G155	4/30/2024	11:21	14.8	58.6	7.27	960.1	1.11	45.64	114.1	9.25	24041541-026A
G200	5/7/2024	12:53	17.3	63.1	7.19	849.7	0.13	53.10	6.4	2.90	24041541-027A
G206	4/30/2024	10:57	15.1	59.2	7.12	858.5	1.71	12.71	-37.4	9.69	24041541-028A
G206D	4/30/2024	10:28	15.9	60.6	7.26	981.7	0.71	13.00	-104.1	29.57	24041541-029A
G207	5/7/2024	11:46	17.1	62.8	7.26	635.9	2.60	2.00	78.5	10.25	24041541-030A
G208	4/30/2024	11:27	15.4	59.8	7.33	545.7	4.69	6.43	72.9	10.36	24041541-031A
G209	5/1/2024	12:16	13.9	57.1	7.01	1,535.6	0.87	10.85	-6.9	9.64	24041541-032A
G210	5/1/2024	11:27	14.8	58.7	7.21	886.3	0.79	37.29	145.9	9.90	24041541-033A
G211	5/1/2024	10:40	15.4	59.8	7.31	781.6	1.68	28.87	150.0	9.85	24041541-034A
G212	5/1/2024	9:52	14.6	58.2	7.19	681.3	1.24	4.65	132.7	10.30	24041541-035A
G213	5/6/2024	14:28	15.4	59.8	7.14	668.3	0.90	31.60	63.5	10.98	24041541-036A
G214	4/30/2024	14:17	14.8	58.6	7.08	962.9	1.41	56.68	78.8	13.98	24041541-037A
G215	4/30/2024	13:19	15.1	59.2	6.87	1,908.7	0.69	10.28	-7.8	13.89	24041541-038A
G216	4/30/2024	12:20	15.8	60.5	6.93	2,081.6	2.60	56.89	-35.9	13.22	24041541-039A
G217	5/2/2024	12:39	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7	13.75	24041541-040A
G218	5/2/2024	11:47	15.7	60.2	6.90	1,522.4	0.63	25.80	-21.4	12.93	24041541-041A
G270	5/8/2024	9:40	14.0	57.2	7.11	688.1	1.83	1.26	55.0	1.94	24041541-042A

Site Sampling Event: Coffeen- 2Q24
LIMS Workorder: 24041541
Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary
Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G271	5/1/2024	13:37	14.2	57.6	7.06	1,076.4	1.22	4.33	112.9	8.40	24041541-043A
G272	5/1/2024	13:10	14.8	58.6	7.13	1,339.7	2.43	5.67	92.5	8.80	24041541-044A
G273	5/1/2024	12:30	13.9	57.0	6.97	1,570.3	0.66	3.02	24.3	8.65	24041541-045A
G274	5/1/2024	14:21	14.7	58.4	7.09	951.2	2.50	4.65	54.1	12.38	24041541-046A
G275	5/2/2024	10:33	16.4	61.5	6.93	1,027.0	4.95	19.58	70.3	12.64	24041541-047A
G275D	5/2/2024	9:58	17.7	63.8	7.23	1,503.7	0.58	64.88	-105.5	46.64	24041541-048A
G276	5/7/2024	11:45	18.1	64.6	6.83	1,214.5	5.02	10.30	59.5	26.70	24041541-049A
G277	5/7/2024	9:40	15.4	59.7	6.88	1,825.5	4.56	4.28	107.2	19.56	24041541-050A
G278	5/7/2024	13:31	19.7	67.5	6.68	2,756.8	2.06	1.95	78.1	23.97	24041541-051A
G279	5/3/2024	9:40	16.6	61.9	6.81	2,556.4	2.58	1.92	122.0	21.98	24041541-052A
G280	5/6/2024	14:07	13.7	56.7	7.31	833.7	0.19	18.68	71.1	3.86	24041541-053A
G281	5/3/2024	10:27	13.7	56.7	6.96	1,327.1	0.15	62.55	91.0	4.24	24041541-054A
G283	5/6/2024	10:59	13.1	55.5	7.05	1,192.3	0.69	6.54	-73.6	4.18	24041541-055A
G284	5/6/2024	11:36	12.5	54.5	7.20	717.2	2.89	0.75	52.0	10.00	24041541-056A
G285	5/6/2024	12:22	13.1	55.5	6.70	2,003.8	0.66	7.80	79.1	4.80	24041541-057A
G301	5/6/2024	10:28	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8	6.18	24041541-058A
G302	5/6/2024	11:54	13.9	57.0	6.49	1,581.9	0.86	3.24	-73.7	5.52	24041541-059A
G303	5/1/2024	10:49	14.4	57.8	6.69	1,855.9	1.22	71.31	-27.0	3.69	24041541-060A
G305	5/1/2024	14:41	14.6	58.2	7.09	1,617.6	1.22	11.25	55.6	6.04	24041541-061A
G306	5/1/2024	13:47	13.7	56.7	6.42	682.5	4.40	36.14	77.7	5.42	24041541-062A
G307	5/2/2024	14:32	22.3	72.2	7.03	1,121.1	2.14	75.20	6.5	0.00	24041541-063A
G307D	5/2/2024	11:35	16.8	62.2	7.18	1,201.0	3.01	30.22	-38.6	2.83	24041541-064A
G308	5/2/2024	12:53	14.1	57.3	7.14	1,694.9	0.71	2.40	55.6	4.12	24041541-065A
G310	5/3/2024	9:55	13.4	56.0	6.74	1,197.6	0.69	2.02	31.8	7.23	24041541-066A
G312	5/6/2024	13:29	13.8	56.8	6.16	2,159.1	0.69	3.61	35.2	10.18	24041541-067A
G313	5/1/2024	12:13	14.1	57.3	6.81	1,720.9	0.69	31.82	51.2	3.01	24041541-068A
G314	4/30/2024	14:13	13.7	56.6	6.56	3,483.8	0.61	16.21	-6.3	5.48	24041541-069A
G314D	4/30/2024	13:07	14.6	58.4	6.96	2,722.4	0.56	178.65	-36.7	5.82	24041541-070A
G315	5/2/2024	10:31	14.3	57.7	6.77	1,170.1	0.80	1.96	14.7	2.34	24041541-071A
G316	4/30/2024	11:56	12.4	54.4	6.83	1,896.2	0.65	7.79	-82.3	10.95	24041541-072A
G401	5/2/2024	14:06	17.8	64.0	5.89	1,395.7	1.11	4.24	71.7	20.94	24041541-073A
G402	5/6/2024	12:00	14.0	57.2	7.02	1,666.7	7.65	38.01	111.3	8.74	24041541-074A
G403	5/6/2024	10:28	14.5	58.1	6.85	716.9	0.30	6.25	70.2	6.26	24041541-075A
G404	5/6/2024	12:44	13.9	57.1	6.84	1,150.3	1.09	3.05	88.6	3.80	24041541-076A
G405	5/6/2024	13:13	14.0	57.3	6.96	1,818.5	0.71	8.10	59.3	6.05	24041541-077A
G406	5/6/2024	11:05	14.9	58.8	6.65	1,371.7	0.36	1.36	99.9	10.24	24041541-078A
G407	4/29/2024	14:52	14.8	58.7	6.65	2,211.6	1.48	71.17	97.4	4.27	24041541-079A
G410	4/30/2024	10:36	12.9	55.1	6.21	1,045.7	0.77	1.54	38.0	6.21	24041541-080A
G411	4/29/2024	13:11	13.2	55.8	7.04	866.1	0.79	16.20	102.6	4.33	24041541-081A
L202	5/8/2024	11:11	20.5	68.9	11.87	13,935.1	5.12	5.92	-43.3	-	24041541-082A
NE Riser	4/29/2024	13:04	DTW Only							1.05	24041541-083A
R104	5/2/2024	13:00	17.4	63.4	7.47	789.0	4.55	4.01	93.6	6.85	24041541-084A

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Stabilized Field Parameters Summary

Coffeen- 2Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
R201	5/7/2024	12:43	16.2	61.2	7.03	986.0	2.05	6.83	-14.0	2.59	24041541-085A
R205	5/7/2024	13:46	15.2	59.3	6.75	1,296.9	2.11	7.63	84.6	4.29	24041541-086A
SG-02	4/29/2024	15:29	DTW Only							6.68	24041541-087A
SG-03	4/29/2024	10:27	DTW Only							7.94	24041541-088A
T127	5/6/2024	15:06	14.8	58.7	6.98	716.5	2.01	25.01	48.2	13.81	24041541-089A
T128	5/1/2024	11:31	15.1	59.3	7.16	745.8	2.69	4.88	92.7	13.83	24041541-090A
X201	5/7/2024	13:25	24.5	76.1	5.93	20,857.6	8.28	4.73	158.9		24041541-091A
XPW01	5/7/2024	13:55	16.7	62.1	7.80	1,284.1	0.62	8.23	-121.6	4.63	24041541-092A
XPW02	5/8/2024	10:49	16.7	62.0	7.69	839.6	0.61	4.12	-209.3	9.87	24041541-093A
XSG-01	4/29/2024	11:10	DTW Only							7.94	24041541-094A
Field Blank	5/8/2024	11:21	QA/QC Sample							-	24041541-095A
G102 Duplicate	5/2/2024	11:03	14.1	57.4	7.29	558.1	2.89	11.75	78.8	4.33	24041541-096A
G200 Duplicate	5/7/2024	12:53	17.3	63.1	7.19	849.7	0.13	53.10	6.4	2.90	24041541-097A
G217 Duplicate	5/2/2024	12:39	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7	13.75	24041541-098A
G301 Duplicate	5/6/2024	10:28	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8	6.18	24041541-099A
R201 Duplicate	5/7/2024	12:43	16.2	61.2	7.03	986.0	2.05	6.83	-14.0	2.59	24041541-100A
Equipment Blank 1	5/8/2024	11:35	QA/QC Sample							-	24041541-101A
G219	5/7/2024	11:10	13.9	56.9	7.17	866.6	0.45	26.09	-58.1	6.45	24041541-104A
G220	5/7/2024	12:08	15.4	59.8	6.89	1,265.9	0.64	24.62	20.7	12.10	24041541-105A

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP2D	5/8/2024	9:37	20.50	15.7	60.3	8.07	1,810.9	0.29	77.40	-191.5
AP2D	5/8/2024	9:40	20.50	15.6	60.0	8.05	1,813.6	0.22	79.44	-195.8
AP2D	5/8/2024	9:43	20.50	15.5	59.9	8.04	1,811.0	0.18	48.74	-197.9
AP2D	5/8/2024	9:46	20.50	15.5	59.9	8.02	1,806.6	0.16	41.03	-199.1
AP2D	5/8/2024	9:49	20.50	15.5	59.9	8.01	1,803.2	0.14	37.12	-199.4
AP2D	5/8/2024	9:52	20.50	15.5	59.9	8.01	1,803.0	0.12	37.82	-200.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1001	5/7/2024	9:58	5.73	15.5	59.9	6.69	1,343.3	2.41	8.20	-10.9
G1001	5/7/2024	10:01	5.73	15.6	60.1	6.74	1,165.7	2.43	6.38	-7.4
G1001	5/7/2024	10:04	5.73	15.5	60.0	6.78	1,073.6	2.56	5.18	-4.9
G1001	5/7/2024	10:07	5.73	15.6	60.1	6.80	1,038.4	2.70	4.09	-3.2
G1001	5/7/2024	10:10	5.73	16.0	60.8	6.82	1,036.5	2.81	3.53	-1.4
G1001	5/7/2024	10:13	5.73	16.9	62.4	6.81	1,042.9	2.81	3.14	1.0
G1001	5/7/2024	10:16	5.73	17.7	63.9	6.82	1,048.1	2.79	2.87	3.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1003	5/6/2024	13:18	11.16	Dry- No Sample						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G101	5/2/2024	10:10	3.90	13.8	56.8	7.37	781.8	0.46	67.82	61.2
G101	5/2/2024	10:13	3.90	13.7	56.7	7.37	782.4	0.42	63.77	58.7
G101	5/2/2024	10:16	3.90	13.7	56.7	7.37	780.9	0.38	55.09	56.7
G101	5/2/2024	10:19	3.90	13.7	56.7	7.37	781.6	0.36	55.92	55.3
G101	5/2/2024	10:22	3.90	13.8	56.8	7.37	781.9	0.34	51.61	54.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102	5/2/2024	10:45	4.33	14.4	58.0	7.29	541.8	3.49	8.29	81.3
G102	5/2/2024	10:48	4.33	14.3	57.7	7.28	533.9	3.41	8.00	78.9
G102	5/2/2024	10:51	4.33	14.3	57.8	7.28	539.0	3.25	12.29	78.0
G102	5/2/2024	10:54	4.33	14.2	57.6	7.29	544.0	3.10	15.69	77.7
G102	5/2/2024	10:57	4.33	14.2	57.5	7.28	548.5	3.03	11.60	77.9
G102	5/2/2024	11:00	4.33	14.1	57.4	7.29	553.4	2.96	9.57	78.3
G102	5/2/2024	11:03	4.33	14.1	57.4	7.29	558.1	2.89	11.75	78.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G103	5/2/2024	12:02	8.89	14.8	58.7	7.14	873.4	2.83	15.65	98.6
G103	5/2/2024	12:05	8.89	15.2	59.4	7.13	877.0	2.46	18.40	97.7
G103	5/2/2024	12:08	8.89	15.6	60.1	7.11	881.1	2.20	8.80	96.4
G103	5/2/2024	12:11	8.89	15.5	59.9	7.10	888.6	1.82	7.33	96.4
G103	5/2/2024	12:14	8.89	15.5	60.0	7.08	894.4	1.48	10.94	95.9
G103	5/2/2024	12:17	8.89	15.6	60.1	7.07	898.8	1.23	7.46	95.3
G103	5/2/2024	12:20	8.89	15.7	60.3	7.06	899.8	1.09	5.67	94.6
G103	5/2/2024	12:23	8.89	15.8	60.4	7.05	901.0	1.01	4.29	94.0
G103	5/2/2024	12:26	8.89	15.8	60.4	7.05	901.7	0.96	4.20	93.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	5/2/2024	13:21	8.23	15.4	59.7	7.23	841.9	0.49	5.18	-107.1
G105	5/2/2024	13:24	8.23	15.4	59.8	7.21	840.1	0.33	4.66	-114.9
G105	5/2/2024	13:27	8.23	15.4	59.7	7.20	834.5	0.31	4.09	-112.8
G105	5/2/2024	13:30	8.23	15.4	59.7	7.20	830.6	0.25	3.86	-111.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	5/2/2024	14:06	9.13	15.2	59.3	7.10	955.2	2.02	3.37	67.3
G106	5/2/2024	14:09	9.13	15.5	59.9	7.10	957.5	1.94	4.15	67.7
G106	5/2/2024	14:12	9.13	15.5	59.8	7.10	956.8	1.91	4.23	67.7
G106	5/2/2024	14:15	9.13	15.4	59.7	7.10	957.2	1.89	4.71	68.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G107	5/3/2024	9:11	8.61	14.6	58.2	7.34	765.5	5.12	8.84	90.4
G107	5/3/2024	9:14	8.61	15.0	58.9	7.34	765.7	5.05	9.14	85.4
G107	5/3/2024	9:17	8.61	15.2	59.4	7.33	764.1	4.99	10.02	82.0
G107	5/3/2024	9:20	8.61	15.6	60.0	7.33	763.7	5.02	10.26	80.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G108	5/1/2024	10:18	8.74	14.6	58.2	7.23	755.3	2.60	4.01	94.4
G108	5/1/2024	10:21	8.74	14.7	58.4	7.22	755.3	2.45	3.81	92.7
G108	5/1/2024	10:24	8.74	14.6	58.3	7.22	755.1	2.25	3.76	91.7
G108	5/1/2024	10:27	8.74	14.7	58.5	7.21	754.9	2.05	3.31	90.6
G108	5/1/2024	10:30	8.74	14.6	58.3	7.20	755.5	1.88	2.75	89.5
G108	5/1/2024	10:33	8.74	14.7	58.4	7.20	754.3	1.73	2.34	88.8
G108	5/1/2024	10:36	8.74	14.6	58.3	7.19	755.5	1.59	2.10	88.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	5/1/2024	9:44	8.44	13.8	56.8	7.00	960.5	0.29	46.73	99.6
G109	5/1/2024	9:47	8.44	13.8	56.9	7.00	960.5	0.25	32.53	96.3
G109	5/1/2024	9:50	8.44	13.8	56.9	7.00	960.3	0.21	29.91	94.5
G109	5/1/2024	9:53	8.44	13.9	57.0	7.01	960.2	0.18	28.90	92.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G110	4/30/2024	14:39	9.30	14.8	58.6	6.91	871.5	1.12	6.37	80.4
G110	4/30/2024	14:42	9.30	14.9	58.8	6.87	862.4	0.77	7.66	81.1
G110	4/30/2024	14:45	9.30	14.8	58.7	6.87	868.4	0.63	9.40	80.8
G110	4/30/2024	14:48	9.30	14.9	58.8	6.87	872.5	0.53	9.64	80.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	4/30/2024	14:02	9.23	15.1	59.2	7.18	904.3	2.37	4.37	63.3
G111	4/30/2024	14:05	9.23	15.0	59.0	7.16	904.1	2.07	3.69	62.3
G111	4/30/2024	14:08	9.23	15.0	58.9	7.15	903.4	2.01	4.64	62.3
G111	4/30/2024	14:11	9.23	15.0	58.9	7.15	903.8	1.89	3.31	62.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	5/1/2024	11:52	14.96	15.2	59.4	7.28	713.3	3.07	3.95	102.5
G119	5/1/2024	11:55	14.96	15.3	59.6	7.27	714.5	2.76	4.49	101.4
G119	5/1/2024	11:58	14.96	15.3	59.5	7.26	713.9	2.41	5.31	100.3
G119	5/1/2024	12:01	14.96	15.2	59.3	7.25	714.3	1.95	5.73	99.3
G119	5/1/2024	12:04	14.96	15.3	59.5	7.25	713.8	1.60	5.45	98.2
G119	5/1/2024	12:07	14.96	15.2	59.4	7.25	714.1	1.45	5.15	97.0
G119	5/1/2024	12:10	14.96	15.1	59.2	7.24	713.7	1.26	5.01	96.0
G119	5/1/2024	12:13	14.96	15.2	59.4	7.24	713.9	1.11	5.38	94.9
G119	5/1/2024	12:16	14.96	15.1	59.3	7.23	713.7	0.95	4.56	93.8
G119	5/1/2024	12:19	14.96	15.2	59.4	7.23	712.3	0.87	3.94	92.6
G119	5/1/2024	12:22	14.96	15.1	59.1	7.23	712.8	0.79	3.64	91.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	5/1/2024	12:45	13.99	15.9	60.7	7.34	873.9	6.87	6.12	112.9
G120	5/1/2024	12:48	13.99	16.2	61.2	7.34	874.4	6.87	6.90	111.9
G120	5/1/2024	12:51	13.99	16.3	61.4	7.34	775.2	6.83	8.37	111.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G121	5/1/2024	13:12	13.92	15.3	59.5	7.14	966.4	5.53	7.90	121.2
G121	5/1/2024	13:15	13.92	15.1	59.1	7.14	965.3	5.48	7.47	119.7
G121	5/1/2024	13:18	13.92	15.1	59.1	7.14	965.9	5.47	6.06	118.6
G121	5/1/2024	13:21	13.92	15.2	59.3	7.13	965.7	5.45	6.66	118.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G122	5/1/2024	13:50	12.49	16.4	61.5	6.91	1,185.6	3.19	20.59	112.3
G122	5/1/2024	13:53	12.49	16.5	61.7	6.90	1,182.6	3.18	16.64	110.2
G122	5/1/2024	13:56	12.49	16.6	62.0	6.90	1,180.8	3.09	15.46	108.8
G122	5/1/2024	13:59	12.49	16.8	62.2	6.89	1,179.4	2.98	13.52	107.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G123	5/7/2024	9:43	10.84	15.6	60.1	7.07	950.0	2.29	140.85	68.5
G123	5/7/2024	9:46	10.84	15.6	60.1	7.06	952.9	2.23	120.90	69.6
G123	5/7/2024	9:49	10.84	15.6	60.0	7.05	951.8	2.07	101.83	70.0
G123	5/7/2024	9:52	10.84	15.3	59.5	7.06	947.7	1.69	75.35	69.0
G123	5/7/2024	9:55	10.84	15.4	59.6	7.05	945.0	1.61	65.21	68.5
G123	5/7/2024	9:58	10.84	15.4	59.7	7.06	946.3	1.60	66.41	68.8
G123	5/7/2024	10:01	10.84	15.4	59.7	7.06	946.0	1.55	68.00	69.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G124	5/1/2024	14:24	11.38	15.1	59.2	7.25	892.9	5.36	9.85	102.9
G124	5/1/2024	14:27	11.38	15.0	59.0	7.23	888.6	4.75	10.63	105.5
G124	5/1/2024	14:30	11.38	14.9	58.9	7.23	884.8	4.23	13.02	106.9
G124	5/1/2024	14:33	11.38	14.9	58.9	7.22	881.4	3.83	15.56	108.0
G124	5/1/2024	14:36	11.38	14.8	58.6	7.21	878.6	3.61	19.05	108.9
G124	5/1/2024	14:39	11.38	14.8	58.6	7.21	877.2	3.37	21.66	109.3
G124	5/1/2024	14:42	11.38	14.8	58.7	7.21	876.1	3.21	26.47	109.5
G124	5/1/2024	14:45	11.38	14.7	58.5	7.21	876.9	3.06	20.23	109.5
G124	5/1/2024	14:48	11.38	14.7	58.4	7.20	874.7	2.91	23.42	109.7
G124	5/1/2024	14:51	11.38	14.8	58.6	7.20	875.1	2.83	20.76	109.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	5/2/2024	9:26	11.12	14.0	57.2	7.15	915.8	0.85	5.43	38.0
G125	5/2/2024	9:29	11.12	14.0	57.2	7.19	915.7	0.65	5.12	38.3
G125	5/2/2024	9:32	11.12	14.0	57.2	7.19	916.9	0.71	14.90	39.6
G125	5/2/2024	9:35	11.12	14.0	57.3	7.19	917.7	0.65	25.63	40.4
G125	5/2/2024	9:38	11.12	13.9	57.1	7.19	918.2	0.69	23.40	39.8
G125	5/2/2024	9:41	11.12	14.0	57.1	7.19	918.2	0.68	22.75	39.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G126	5/3/2024	9:41	8.51	13.9	56.9	7.15	807.2	1.62	6.30	90.9
G126	5/3/2024	9:44	8.51	13.9	57.1	7.14	801.2	1.67	5.96	88.2
G126	5/3/2024	9:47	8.51	13.9	57.1	7.15	802.1	1.42	5.25	85.0
G126	5/3/2024	9:50	8.51	14.0	57.1	7.15	804.0	1.31	4.94	82.5
G126	5/3/2024	9:53	8.51	14.1	57.4	7.16	805.8	1.35	4.48	80.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G151	4/30/2024	10:02	10.05	15.8	60.4	7.29	902.6	3.69	20.89	133.9
G151	4/30/2024	10:05	10.05	16.1	60.9	7.29	898.5	3.76	22.10	130.6
G151	4/30/2024	10:08	10.05	16.3	61.3	7.32	899.6	3.79	23.35	126.7
G151	4/30/2024	10:11	10.05	16.7	62.1	7.33	896.6	3.73	25.19	124.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G152	5/7/2024	10:57	9.34	16.4	61.5	7.17	808.9	3.93	40.56	23.9
G152	5/7/2024	11:00	9.34	16.3	61.4	7.15	823.2	3.70	34.17	17.9
G152	5/7/2024	11:03	9.34	16.3	61.3	7.18	805.4	3.63	16.67	25.6
G152	5/7/2024	11:06	9.34	16.2	61.2	7.20	788.7	3.48	13.62	30.7
G152	5/7/2024	11:09	9.34	16.6	61.9	7.20	783.6	3.36	10.25	33.2
G152	5/7/2024	11:12	9.34	16.7	62.0	7.21	784.2	3.32	9.16	35.4
G152	5/7/2024	11:15	9.34	16.6	61.8	7.21	781.9	3.20	8.38	36.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G153	4/30/2024	12:26	10.54	15.0	59.1	6.74	4,118.5	0.47	29.42	-93.8
G153	4/30/2024	12:29	10.54	15.0	59.1	6.74	4,024.6	0.38	16.76	-83.1
G153	4/30/2024	12:32	10.54	15.0	58.9	6.74	3,971.3	0.38	13.62	-72.6
G153	4/30/2024	12:35	10.54	15.0	59.0	6.75	3,947.1	0.35	11.46	-64.2
G153	4/30/2024	12:38	10.54	15.1	59.1	6.75	3,946.3	0.33	10.76	-59.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G154	4/30/2024	11:52	6.54	14.9	58.7	7.40	658.0	2.19	27.08	112.6
G154	4/30/2024	11:55	6.54	14.8	58.7	7.40	656.7	2.12	29.29	112.9
G154	4/30/2024	11:58	6.54	14.7	58.5	7.39	656.8	2.06	30.35	113.1
G154	4/30/2024	12:01	6.54	14.9	58.8	7.39	655.4	2.02	31.93	113.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G155	4/30/2024	11:06	9.25	14.8	58.6	7.30	960.0	2.02	56.45	117.8
G155	4/30/2024	11:09	9.25	14.7	58.5	7.29	960.9	1.70	51.85	117.2
G155	4/30/2024	11:12	9.25	14.8	58.6	7.29	959.3	1.50	48.49	116.4
G155	4/30/2024	11:15	9.25	14.8	58.7	7.28	959.5	1.35	45.28	115.5
G155	4/30/2024	11:18	9.25	14.8	58.7	7.28	959.4	1.24	46.25	114.8
G155	4/30/2024	11:21	9.25	14.8	58.6	7.27	960.1	1.11	45.64	114.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200	5/7/2024	12:29	2.90	16.6	61.9	7.20	848.9	0.91	20.80	29.5
G200	5/7/2024	12:32	2.90	16.7	62.1	7.19	847.2	0.55	30.37	24.3
G200	5/7/2024	12:35	2.90	16.5	61.7	7.19	846.9	0.41	84.52	20.5
G200	5/7/2024	12:38	2.90	16.7	62.0	7.18	849.0	0.31	86.74	17.6
G200	5/7/2024	12:41	2.90	16.6	62.0	7.19	849.0	0.25	74.88	14.2
G200	5/7/2024	12:44	2.90	16.8	62.2	7.19	848.9	0.20	63.14	11.6
G200	5/7/2024	12:47	2.90	17.1	62.8	7.19	849.3	0.17	57.50	11.4
G200	5/7/2024	12:50	2.90	17.0	62.6	7.19	849.2	0.15	58.08	8.3
G200	5/7/2024	12:53	2.90	17.3	63.1	7.19	849.7	0.13	53.10	6.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206	4/30/2024	10:45	9.69	15.1	59.1	7.13	844.7	1.68	25.99	-23.9
G206	4/30/2024	10:48	9.69	15.1	59.2	7.13	647.9	1.69	17.49	-30.8
G206	4/30/2024	10:51	9.69	15.1	59.1	7.12	853.2	1.63	12.85	-34.4
G206	4/30/2024	10:54	9.69	15.1	59.2	7.12	855.5	1.63	12.24	-36.4
G206	4/30/2024	10:57	9.69	15.1	59.2	7.12	858.5	1.71	12.71	-37.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206D	4/30/2024	9:52	29.57	15.5	59.9	7.08	976.0	1.68	9.04	-11.9
G206D	4/30/2024	9:55	29.57	15.8	60.4	7.13	978.6	1.12	37.81	-51.3
G206D	4/30/2024	9:58	29.57	15.8	60.4	7.18	981.1	0.96	43.31	-73.1
G206D	4/30/2024	10:01	29.57	15.7	60.3	7.22	980.6	1.17	36.28	-88.2
G206D	4/30/2024	10:04	29.57	15.7	60.2	7.23	979.8	0.84	63.48	-94.2
G206D	4/30/2024	10:07	29.57	15.7	60.2	7.23	979.1	0.77	71.22	-97.2
G206D	4/30/2024	10:10	29.57	15.7	60.3	7.24	977.8	0.74	50.88	-99.4
G206D	4/30/2024	10:13	29.57	15.7	60.3	7.24	976.9	0.71	65.26	-100.8
G206D	4/30/2024	10:16	29.57	15.8	60.4	7.24	976.2	0.69	125.52	-102.2
G206D	4/30/2024	10:19	29.57	16.1	61.0	7.25	974.4	0.68	24.94	-103.6
G206D	4/30/2024	10:22	29.57	16.5	61.6	7.25	977.0	0.70	23.62	-103.9
G206D	4/30/2024	10:25	29.57	16.5	61.7	7.25	976.7	0.70	22.97	-103.7
G206D	4/30/2024	10:28	29.57	15.9	60.6	7.26	981.7	0.71	13.00	-104.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G207	5/7/2024	11:37	10.25	17.4	63.2	7.27	636.8	3.03	3.09	75.7
G207	5/7/2024	11:40	10.25	16.7	62.1	7.27	636.7	2.82	2.33	77.1
G207	5/7/2024	11:43	10.25	16.8	62.2	7.26	634.4	2.66	2.10	78.3
G207	5/7/2024	11:46	10.25	17.1	62.8	7.26	635.9	2.60	2.00	78.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	4/30/2024	11:18	10.36	15.5	60.0	7.35	546.8	5.05	4.02	56.7
G208	4/30/2024	11:21	10.36	15.3	59.6	7.34	547.0	4.87	3.94	62.7
G208	4/30/2024	11:24	10.36	15.4	59.7	7.33	546.1	4.78	4.94	68.0
G208	4/30/2024	11:27	10.36	15.4	59.8	7.33	545.7	4.69	6.43	72.9

Site Sampling Event: Coffeen- 2Q24

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Field Forms- Groundwater Quality Parameters

Coffeen- 2Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G209	5/1/2024	11:43	9.64	15.6	60.0	7.02	1,189.9	1.96	34.10	-11.9
G209	5/1/2024	11:46	9.64	15.6	60.1	6.95	1,195.2	1.27	21.88	-25.0
G209	5/1/2024	11:49	9.64	15.5	59.9	6.94	1,195.6	1.04	20.26	-29.1
G209	5/1/2024	11:52	9.64	15.5	59.8	6.94	1,196.3	0.94	18.23	-30.9
G209	5/1/2024	11:55	9.64	15.7	60.2	6.93	1,195.8	0.86	18.21	-32.3
G209	5/1/2024	11:58	9.64	Tubing Disconnected from Flow cell; readings invalid						
G209	5/1/2024	12:01	9.64							
G209	5/1/2024	12:04	9.64							
G209	5/1/2024	12:07	9.64							
G209	5/1/2024	12:10	9.64	14.2	57.5	7.44	1,602.1	1.26	12.40	49.4
G209	5/1/2024	12:13	9.64	14.0	57.2	7.06	1,511.5	1.17	18.29	-12.5
G209	5/1/2024	12:16	9.64	13.9	57.1	7.01	1,535.6	0.87	10.85	-6.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G210	5/1/2024	11:00	9.90	14.6	58.4	7.22	886.9	1.61	11.35	133.1
G210	5/1/2024	11:03	9.90	14.7	58.4	7.21	889.4	1.28	13.36	139.2
G210	5/1/2024	11:06	9.90	14.8	58.6	7.21	889.9	1.14	16.54	142.3
G210	5/1/2024	11:09	9.90	14.7	58.5	7.21	889.7	1.05	19.04	144.1
G210	5/1/2024	11:12	9.90	14.8	58.6	7.21	888.9	0.97	22.08	145.2
G210	5/1/2024	11:15	9.90	14.8	58.7	7.20	888.4	0.91	25.44	145.8
G210	5/1/2024	11:18	9.90	14.8	58.7	7.21	888.0	0.88	29.48	145.9
G210	5/1/2024	11:21	9.90	14.9	58.8	7.20	887.4	0.85	32.07	146.0
G210	5/1/2024	11:24	9.90	14.9	58.7	7.21	887.3	0.81	34.15	145.9
G210	5/1/2024	11:27	9.90	14.8	58.7	7.21	886.3	0.79	37.29	145.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	5/1/2024	10:16	9.85	15.2	59.4	7.33	780.5	2.11	37.54	152.7
G211	5/1/2024	10:19	9.85	15.2	59.4	7.33	781.1	2.02	34.79	152.1
G211	5/1/2024	10:22	9.85	15.3	59.5	7.32	780.3	1.96	28.54	151.8
G211	5/1/2024	10:25	9.85	15.3	59.5	7.32	780.3	1.90	28.79	151.5
G211	5/1/2024	10:28	9.85	15.4	59.6	7.32	780.5	1.86	27.16	151.2
G211	5/1/2024	10:31	9.85	15.3	59.6	7.32	780.6	1.81	25.46	151.0
G211	5/1/2024	10:34	9.85	15.4	59.6	7.32	781.2	1.76	26.00	150.7
G211	5/1/2024	10:37	9.85	15.4	59.7	7.31	780.8	1.73	26.06	150.5
G211	5/1/2024	10:40	9.85	15.4	59.8	7.31	781.6	1.68	28.87	150.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G212	5/1/2024	9:43	10.30	14.3	57.7	7.18	677.4	1.65	4.68	137.7
G212	5/1/2024	9:46	10.30	14.4	57.9	7.18	679.4	1.38	4.54	135.4
G212	5/1/2024	9:49	10.30	14.5	58.1	7.18	680.0	1.30	4.58	133.7
G212	5/1/2024	9:52	10.30	14.6	58.2	7.19	681.3	1.24	4.65	132.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G213	5/6/2024	14:10	10.98	15.2	59.3	7.15	671.8	0.91	66.30	62.2
G213	5/6/2024	14:13	10.98	15.3	59.5	7.15	671.1	0.91	57.52	62.0
G213	5/6/2024	14:16	10.98	15.2	59.4	7.15	669.8	0.91	46.70	62.0
G213	5/6/2024	14:19	10.98	15.2	59.4	7.14	670.2	0.90	41.87	62.3
G213	5/6/2024	14:22	10.98	15.4	59.7	7.14	667.0	0.90	37.79	62.4
G213	5/6/2024	14:25	10.98	15.6	60.0	7.14	669.1	0.89	35.66	62.8
G213	5/6/2024	14:28	10.98	15.4	59.8	7.14	668.3	0.90	31.60	63.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G214	4/30/2024	13:56	13.98	14.9	58.8	7.17	951.6	3.17	12.84	78.2
G214	4/30/2024	13:59	13.98	14.8	58.7	7.14	954.1	2.78	19.54	78.2
G214	4/30/2024	14:02	13.98	14.8	58.7	7.11	957.0	2.33	23.06	78.2
G214	4/30/2024	14:05	13.98	14.9	58.8	7.10	959.9	2.05	37.06	78.3
G214	4/30/2024	14:08	13.98	14.7	58.5	7.09	960.1	1.79	46.88	78.2
G214	4/30/2024	14:11	13.98	14.8	58.6	7.09	961.6	1.64	51.15	78.3
G214	4/30/2024	14:14	13.98	14.8	58.7	7.08	962.0	1.54	54.01	78.7
G214	4/30/2024	14:17	13.98	14.8	58.6	7.08	962.9	1.41	56.68	78.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G215	4/30/2024	12:43	13.89	15.0	58.9	6.87	1,917.5	0.84	41.92	4.0
G215	4/30/2024	12:46	13.89	15.0	58.9	6.87	1,917.1	0.80	37.16	0.4
G215	4/30/2024	12:49	13.89	14.9	58.9	6.87	1,914.7	0.77	34.17	-1.4
G215	4/30/2024	12:52	13.89	15.0	59.0	6.86	1,914.2	0.75	34.60	-2.8
G215	4/30/2024	12:55	13.89	15.0	59.0	6.86	1,914.1	0.74	51.30	-3.9
G215	4/30/2024	12:58	13.89	15.0	59.1	6.86	1,912.4	0.72	22.85	-4.6
G215	4/30/2024	13:01	13.89	14.8	58.7	6.87	1,912.6	0.72	26.90	-5.3
G215	4/30/2024	13:04	13.89	14.9	58.9	6.86	1,911.3	0.71	36.25	-5.7
G215	4/30/2024	13:07	13.89	15.1	59.2	6.86	1,910.1	0.71	47.29	-6.3
G215	4/30/2024	13:10	13.89	15.1	59.2	6.86	1,911.1	0.70	14.69	-6.8
G215	4/30/2024	13:13	13.89	15.1	59.2	6.86	1,909.3	0.70	14.10	-7.2
G215	4/30/2024	13:16	13.89	15.1	59.2	6.87	1,908.6	0.70	17.96	-7.5
G215	4/30/2024	13:19	13.89	15.1	59.2	6.87	1,908.7	0.69	10.28	-7.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G216	4/30/2024	12:02	13.22	15.8	60.4	6.91	2,081.7	2.24	89.75	-39.9
G216	4/30/2024	12:05	13.22	15.7	60.3	6.91	2,083.2	2.26	73.60	-38.5
G216	4/30/2024	12:08	13.22	15.7	60.3	6.91	2,083.1	2.31	65.96	-37.7
G216	4/30/2024	12:11	13.22	15.8	60.5	6.92	2,082.2	2.37	61.79	-37.2
G216	4/30/2024	12:14	13.22	15.8	60.5	6.92	2,082.7	2.51	61.15	-36.6
G216	4/30/2024	12:17	13.22	15.8	60.5	6.93	2,082.9	2.55	57.33	-36.1
G216	4/30/2024	12:20	13.22	15.8	60.5	6.93	2,081.6	2.60	56.89	-35.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217	5/2/2024	12:24	13.75	15.6	60.0	6.89	1,552.2	0.85	78.38	10.9
G217	5/2/2024	12:27	13.75	15.5	59.9	6.89	1,555.1	0.83	92.93	11.2
G217	5/2/2024	12:30	13.75	15.4	59.8	6.88	1,558.7	0.82	6.39	11.5
G217	5/2/2024	12:33	13.75	15.5	59.9	6.88	1,557.9	0.80	10.99	11.7
G217	5/2/2024	12:36	13.75	15.5	59.8	6.88	1,560.8	0.78	4.73	12.3
G217	5/2/2024	12:39	13.75	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	5/2/2024	11:20	12.93	15.5	59.9	6.90	1,530.4	0.78	74.04	-15.3
G218	5/2/2024	11:23	12.93	15.5	60.0	6.90	1,528.1	0.75	56.89	-16.1
G218	5/2/2024	11:26	12.93	15.6	60.1	6.90	1,527.2	0.72	65.16	-17.3
G218	5/2/2024	11:29	12.93	15.5	59.9	6.90	1,526.4	0.71	63.35	-18.1
G218	5/2/2024	11:32	12.93	15.6	60.1	6.90	1,525.7	0.68	47.05	-18.8
G218	5/2/2024	11:35	12.93	15.6	60.1	6.90	1,525.7	0.67	50.14	-19.4
G218	5/2/2024	11:38	12.93	15.7	60.2	6.90	1,524.9	0.66	29.11	-20.0
G218	5/2/2024	11:41	12.93	15.7	60.3	6.90	1,523.5	0.65	26.15	-20.4
G218	5/2/2024	11:44	12.93	15.7	60.2	6.90	1,523.9	0.65	29.00	-20.9
G218	5/2/2024	11:47	12.93	15.7	60.2	6.90	1,522.4	0.63	25.80	-21.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G270	5/8/2024	9:31	1.94	14.5	58.1	7.17	688.9	2.81	4.78	49.0
G270	5/8/2024	9:34	1.94	14.3	57.8	7.14	688.9	2.41	2.22	58.8
G270	5/8/2024	9:37	1.94	14.2	57.5	7.13	688.3	2.06	1.57	60.3
G270	5/8/2024	9:40	1.94	14.0	57.2	7.11	688.1	1.83	1.26	55.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G271	5/1/2024	13:28	8.40	13.4	56.2	7.26	945.4	5.00	2.15	114.5
G271	5/1/2024	13:31	8.40	13.7	56.7	7.23	950.5	4.78	3.88	114.7
G271	5/1/2024	13:34	8.40	14.2	57.5	7.10	1,022.0	2.87	3.88	115.0
G271	5/1/2024	13:37	8.40	14.2	57.6	7.06	1,076.4	1.22	4.33	112.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G272	5/1/2024	12:55	8.80	15.0	59.0	7.15	1,289.5	3.39	15.96	78.1
G272	5/1/2024	12:58	8.80	15.0	59.0	7.14	1,309.1	2.95	11.11	82.0
G272	5/1/2024	13:01	8.80	14.9	58.8	7.13	1,322.5	2.67	6.86	85.1
G272	5/1/2024	13:04	8.80	14.9	58.8	7.13	1,332.5	2.53	5.68	87.8
G272	5/1/2024	13:07	8.80	14.9	58.9	7.13	1,334.8	2.44	5.70	90.3
G272	5/1/2024	13:10	8.80	14.8	58.6	7.13	1,339.7	2.43	5.67	92.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273	5/1/2024	12:18	8.65	13.9	57.1	6.99	1,546.9	0.80	7.30	-1.7
G273	5/1/2024	12:21	8.65	13.9	57.0	6.98	1,557.4	0.74	5.09	5.3
G273	5/1/2024	12:24	8.65	13.9	57.0	6.97	1,563.5	0.70	3.97	12.2
G273	5/1/2024	12:27	8.65	13.9	57.0	6.97	1,567.7	0.68	3.32	18.6
G273	5/1/2024	12:30	8.65	13.9	57.0	6.97	1,570.3	0.66	3.02	24.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G274	5/1/2024	14:03	12.38	14.8	58.6	7.12	874.6	3.19	21.92	34.3
G274	5/1/2024	14:06	12.38	14.8	58.6	7.12	859.1	3.36	19.11	34.9
G274	5/1/2024	14:09	12.38	14.6	58.4	7.12	857.6	3.37	12.75	37.3
G274	5/1/2024	14:12	12.38	14.7	58.5	7.11	874.3	3.24	8.75	41.2
G274	5/1/2024	14:12	12.38	14.7	58.5	7.11	874.2	3.23	8.65	41.3
G274	5/1/2024	14:15	12.38	14.7	58.5	7.11	901.2	2.98	7.25	45.0
G274	5/1/2024	14:18	12.38	14.6	58.3	7.10	926.8	2.73	5.92	50.0
G274	5/1/2024	14:21	12.38	14.7	58.4	7.09	951.2	2.50	4.65	54.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275	5/2/2024	10:21	12.64	16.2	61.1	6.93	1,025.3	5.16	18.42	53.7
G275	5/2/2024	10:24	12.64	16.4	61.5	6.93	1,027.4	5.08	17.83	58.0
G275	5/2/2024	10:27	12.64	16.4	61.5	6.93	1,025.5	5.06	17.38	62.2
G275	5/2/2024	10:30	12.64	16.3	61.3	6.93	1,026.0	5.03	18.60	66.2
G275	5/2/2024	10:33	12.64	16.4	61.5	6.93	1,027.0	4.95	19.58	70.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275D	5/2/2024	9:37	46.64	17.4	63.3	7.19	1,495.3	0.73	35.49	-113.3
G275D	5/2/2024	9:40	46.64	17.5	63.5	7.20	1,496.8	0.70	47.86	-114.7
G275D	5/2/2024	9:43	46.64	17.6	63.6	7.20	1,497.8	0.66	54.46	-114.4
G275D	5/2/2024	9:46	46.64	17.5	63.4	7.21	1,500.4	0.64	62.66	-112.4
G275D	5/2/2024	9:49	46.64	17.5	63.5	7.22	1,501.5	0.62	69.36	-109.9
G275D	5/2/2024	9:52	46.64	17.5	63.5	7.22	1,502.7	0.60	68.93	-107.4
G275D	5/2/2024	9:55	46.64	17.6	63.6	7.23	1,504.1	0.59	65.97	-106.2
G275D	5/2/2024	9:58	46.64	17.7	63.8	7.23	1,503.7	0.58	64.88	-105.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G276	5/7/2024	11:24	26.70	17.9	64.3	6.91	1,214.2	5.47	18.12	55.1
G276	5/7/2024	11:27	26.70	18.0	64.4	6.90	1,207.2	5.40	21.11	55.6
G276	5/7/2024	11:30	26.70	18.3	64.9	6.88	1,211.6	5.31	20.95	56.0
G276	5/7/2024	11:33	26.70	18.5	65.4	6.87	1,211.3	5.25	16.29	56.5
G276	5/7/2024	11:36	26.70	18.5	65.4	6.86	1,215.1	5.17	44.11	57.4
G276	5/7/2024	11:39	26.70	18.0	64.4	6.85	1,219.2	5.18	11.72	58.3
G276	5/7/2024	11:42	26.70	17.9	64.1	6.84	1,214.0	5.17	9.19	59.3
G276	5/7/2024	11:45	26.70	18.1	64.6	6.83	1,214.5	5.02	10.30	59.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G277	5/7/2024	9:25	19.56	14.3	57.8	6.90	1,656.8	5.41	14.70	119.7
G277	5/7/2024	9:28	19.56	14.6	58.3	6.90	1,698.7	5.08	12.17	116.4
G277	5/7/2024	9:31	19.56	14.8	58.6	6.89	1,743.1	4.93	7.52	114.0
G277	5/7/2024	9:34	19.56	15.0	59.0	6.88	1,794.4	4.66	6.12	111.7
G277	5/7/2024	9:37	19.56	15.2	59.3	6.88	1,813.9	4.53	6.49	109.2
G277	5/7/2024	9:40	19.56	15.4	59.7	6.88	1,825.5	4.56	4.28	107.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G278	5/7/2024	12:55	23.97	17.8	64.0	6.75	2,776.6	2.80	15.65	77.7
G278	5/7/2024	12:58	23.97	17.9	64.2	6.76	2,245.9	3.11	9.66	74.3
G278	5/7/2024	13:01	23.97	17.8	64.0	6.75	2,125.3	3.28	4.25	74.3
G278	5/7/2024	13:04	23.97	17.6	63.7	6.73	2,190.7	3.23	4.11	75.3
G278	5/7/2024	13:07	23.97	17.6	63.7	6.72	2,277.2	2.99	5.58	76.4
G278	5/7/2024	13:10	23.97	18.2	64.7	6.70	2,401.0	2.79	3.97	77.2
G278	5/7/2024	13:13	23.97	18.0	64.4	6.68	2,540.5	2.54	43.56	78.2
G278	5/7/2024	13:16	23.97	18.3	64.9	6.67	2,615.2	2.33	40.39	78.5
G278	5/7/2024	13:19	23.97	19.4	66.9	6.67	2,652.6	2.31	2.09	77.7
G278	5/7/2024	13:22	23.97	19.6	67.2	6.67	2,692.5	2.28	36.33	77.4
G278	5/7/2024	13:25	23.97	19.4	66.9	6.67	2,742.9	2.11	2.51	78.0
G278	5/7/2024	13:28	23.97	19.8	67.6	6.67	2,768.5	2.07	2.02	78.3
G278	5/7/2024	13:31	23.97	19.7	67.5	6.68	2,756.8	2.06	1.95	78.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G279	5/3/2024	9:25	21.98	16.2	61.2	6.87	1,947.1	4.85	2.25	105.4
G279	5/3/2024	9:28	21.98	16.6	61.8	6.85	2,095.9	4.63	2.10	111.1
G279	5/3/2024	9:31	21.98	16.7	62.0	6.82	2,406.4	3.85	2.04	115.9
G279	5/3/2024	9:34	21.98	16.7	62.0	6.80	2,552.1	3.06	2.04	118.7
G279	5/3/2024	9:37	21.98	16.7	62.0	6.80	2,567.9	2.67	1.95	120.3
G279	5/3/2024	9:40	21.98	16.6	61.9	6.81	2,556.4	2.58	1.92	122.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G280	5/6/2024	13:49	3.86	14.2	57.6	7.32	832.2	0.49	68.90	73.7
G280	5/6/2024	13:52	3.86	13.9	57.0	7.31	830.9	0.38	39.17	73.4
G280	5/6/2024	13:55	3.86	13.9	57.0	7.31	830.8	0.31	31.92	73.0
G280	5/6/2024	13:58	3.86	13.8	56.8	7.31	831.2	0.26	25.82	72.5
G280	5/6/2024	14:01	3.86	13.8	56.8	7.31	832.2	0.23	22.57	72.1
G280	5/6/2024	14:04	3.86	13.8	56.8	7.30	833.2	0.21	19.60	71.8
G280	5/6/2024	14:07	3.86	13.7	56.7	7.31	833.7	0.19	18.68	71.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G281	5/3/2024	10:18	4.24	13.8	56.8	6.95	1,326.3	0.19	72.31	96.1
G281	5/3/2024	10:21	4.24	13.8	56.8	6.95	1,326.5	0.17	60.36	94.2
G281	5/3/2024	10:24	4.24	13.7	56.7	6.96	1,328.7	0.16	62.61	92.5
G281	5/3/2024	10:27	4.24	13.7	56.7	6.96	1,327.1	0.15	62.55	91.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G283	5/6/2024	10:35	4.18	12.7	54.9	7.05	1,196.6	0.77	21.74	-71.5
G283	5/6/2024	10:38	4.18	12.8	55.0	7.05	1,196.3	0.76	12.78	-71.8
G283	5/6/2024	10:41	4.18	12.8	55.0	7.05	1,197.2	0.74	12.12	-72.2
G283	5/6/2024	10:44	4.18	12.8	55.0	7.05	1,197.2	0.73	8.68	-72.6
G283	5/6/2024	10:47	4.18	12.8	55.0	7.05	1,197.1	0.72	6.43	-72.8
G283	5/6/2024	10:50	4.18	12.8	55.0	7.05	1,197.2	0.70	5.19	-73.1
G283	5/6/2024	10:53	4.18	12.7	54.9	7.05	1,197.4	0.70	4.90	-73.3
G283	5/6/2024	10:56	4.18	12.7	54.9	7.05	1,196.7	0.69	4.92	-73.3
G283	5/6/2024	10:59	4.18	13.1	55.5	7.05	1,192.3	0.69	6.54	-73.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G284	5/6/2024	11:18	10.00	12.6	54.6	7.30	660.3	5.33	3.10	41.6
G284	5/6/2024	11:21	10.00	12.6	54.7	7.27	683.1	4.49	2.50	44.1
G284	5/6/2024	11:24	10.00	12.6	54.8	7.25	696.5	3.98	2.28	45.7
G284	5/6/2024	11:27	10.00	12.6	54.8	7.23	703.6	3.64	1.61	47.0
G284	5/6/2024	11:30	10.00	12.6	54.6	7.22	710.4	3.29	0.86	48.4
G284	5/6/2024	11:33	10.00	12.6	54.6	7.20	713.8	3.09	0.72	50.1
G284	5/6/2024	11:36	10.00	12.5	54.5	7.20	717.2	2.89	0.75	52.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G285	5/6/2024	12:13	4.80	13.1	55.7	6.70	2,001.4	0.69	8.52	79.5
G285	5/6/2024	12:16	4.80	13.1	55.7	6.70	2,001.0	0.68	8.69	79.4
G285	5/6/2024	12:19	4.80	13.1	55.7	6.70	2,001.4	0.67	9.57	79.2
G285	5/6/2024	12:22	4.80	13.1	55.5	6.70	2,003.8	0.66	7.80	79.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301	5/6/2024	10:10	6.18	14.1	57.4	6.32	1,086.9	1.15	4.32	-53.2
G301	5/6/2024	10:13	6.18	14.1	57.3	6.26	1,081.2	0.97	4.69	-49.0
G301	5/6/2024	10:16	6.18	14.1	57.4	6.24	1,076.6	0.86	4.97	-47.2
G301	5/6/2024	10:19	6.18	14.2	57.5	6.24	1,074.9	0.80	4.36	-45.6
G301	5/6/2024	10:22	6.18	14.2	57.6	6.25	1,072.3	0.75	3.81	-43.5
G301	5/6/2024	10:25	6.18	14.2	57.6	6.25	1,071.4	0.71	4.04	-41.4
G301	5/6/2024	10:28	6.18	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G302	5/6/2024	11:30	5.52	14.1	57.4	6.60	1,588.2	1.73	9.81	-109.8
G302	5/6/2024	11:33	5.52	14.0	57.1	6.55	1,588.1	1.33	6.96	-103.8
G302	5/6/2024	11:36	5.52	13.9	57.1	6.52	1,587.2	1.15	7.33	-97.1
G302	5/6/2024	11:39	5.52	13.9	57.0	6.51	1,585.3	1.02	8.32	-91.5
G302	5/6/2024	11:42	5.52	13.9	57.0	6.50	1,584.9	0.94	9.87	-86.8
G302	5/6/2024	11:45	5.52	13.9	57.0	6.49	1,585.6	0.87	5.16	-83.2
G302	5/6/2024	11:48	5.52	13.8	56.9	6.49	1,584.5	0.92	4.65	-79.3
G302	5/6/2024	11:51	5.52	13.9	57.0	6.49	1,583.2	0.85	2.84	-76.5
G302	5/6/2024	11:54	5.52	13.9	57.0	6.49	1,581.9	0.86	3.24	-73.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G303	5/1/2024	10:31	3.69	14.8	58.6	6.68	1,896.3	1.80	8.35	-28.0
G303	5/1/2024	10:34	3.69	14.4	58.0	6.69	1,868.5	1.74	34.51	-29.6
G303	5/1/2024	10:37	3.69	14.4	57.9	6.68	1,858.6	1.55	78.58	-29.8
G303	5/1/2024	10:40	3.69	14.4	57.9	6.68	1,857.4	1.49	52.98	-29.4
G303	5/1/2024	10:43	3.69	14.4	57.8	6.68	1,854.8	1.35	52.80	-28.8
G303	5/1/2024	10:46	3.69	14.4	57.9	6.68	1,853.5	1.27	35.38	-28.0
G303	5/1/2024	10:49	3.69	14.4	57.8	6.69	1,855.9	1.22	71.31	-27.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G305	5/1/2024	14:20	6.04	14.8	58.6	7.16	1,621.4	2.56	9.48	60.4
G305	5/1/2024	14:23	6.04	14.7	58.5	7.14	1,619.6	2.18	9.93	57.8
G305	5/1/2024	14:26	6.04	14.6	58.3	7.13	1,618.2	1.99	27.04	56.7
G305	5/1/2024	14:29	6.04	14.6	58.4	7.12	1,615.8	1.72	28.91	56.4
G305	5/1/2024	14:32	6.04	14.6	58.3	7.11	1,617.5	1.62	97.68	56.3
G305	5/1/2024	14:35	6.04	14.6	58.2	7.10	1,617.3	1.54	7.08	56.0
G305	5/1/2024	14:38	6.04	14.6	58.3	7.10	1,616.5	1.33	20.43	55.8
G305	5/1/2024	14:41	6.04	14.6	58.2	7.09	1,617.6	1.22	11.25	55.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G306	5/1/2024	13:23	5.42	13.7	56.7	6.47	685.7	4.96	74.85	70.1
G306	5/1/2024	13:26	5.42	13.7	56.6	6.47	684.4	4.92	70.65	71.4
G306	5/1/2024	13:29	5.42	13.7	56.6	6.47	687.7	4.87	68.56	72.3
G306	5/1/2024	13:32	5.42	13.7	56.7	6.46	685.5	4.93	60.49	73.4
G306	5/1/2024	13:35	5.42	13.7	56.6	6.45	684.3	4.76	51.53	74.3
G306	5/1/2024	13:38	5.42	13.7	56.6	6.44	683.6	4.65	43.51	75.2
G306	5/1/2024	13:41	5.42	13.7	56.6	6.43	682.3	4.54	40.27	76.2
G306	5/1/2024	13:44	5.42	13.7	56.6	6.43	681.5	4.48	38.11	77.0
G306	5/1/2024	13:47	5.42	13.7	56.7	6.42	682.5	4.40	36.14	77.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307	5/2/2024	14:08	0.00	21.3	70.3	7.04	1,117.8	2.56	136.14	-4.8
G307	5/2/2024	14:11	0.00	21.5	70.7	7.04	1,122.3	2.49	128.55	-3.3
G307	5/2/2024	14:14	0.00	21.6	70.8	7.04	1,122.1	2.44	123.17	-1.5
G307	5/2/2024	14:17	0.00	22.0	71.7	7.04	1,120.4	2.36	118.54	-0.1
G307	5/2/2024	14:20	0.00	22.2	72.0	7.03	1,124.4	2.35	108.36	1.4
G307	5/2/2024	14:23	0.00	22.2	71.9	7.04	1,122.6	2.28	98.80	2.9
G307	5/2/2024	14:26	0.00	21.9	71.5	7.04	1,123.4	2.25	89.28	4.4
G307	5/2/2024	14:29	0.00	22.1	71.8	7.03	1,119.8	2.15	85.22	5.6
G307	5/2/2024	14:32	0.00	22.3	72.2	7.03	1,121.1	2.14	75.20	6.5

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307D	5/2/2024	11:23	2.83	15.9	60.7	7.18	1,270.8	1.42	33.69	-53.7
G307D	5/2/2024	11:26	2.83	16.1	60.9	7.20	1,242.9	1.73	27.95	-55.0
G307D	5/2/2024	11:29	2.83	16.1	60.9	7.21	1,216.7	2.37	26.36	-49.9
G307D	5/2/2024	11:32	2.83	16.5	61.7	7.19	1,203.6	2.79	27.97	-43.5
G307D	5/2/2024	11:35	2.83	16.8	62.2	7.18	1,201.0	3.01	30.22	-38.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G308	5/2/2024	12:38	4.12	14.1	57.4	7.20	1,697.8	1.06	4.14	63.4
G308	5/2/2024	12:41	4.12	14.2	57.5	7.18	1,698.3	0.92	3.55	61.2
G308	5/2/2024	12:44	4.12	14.1	57.3	7.16	1,700.9	0.84	2.93	59.5
G308	5/2/2024	12:47	4.12	14.0	57.2	7.15	1,698.7	0.78	2.63	58.0
G308	5/2/2024	12:50	4.12	14.0	57.2	7.14	1,697.1	0.74	2.36	56.8
G308	5/2/2024	12:53	4.12	14.1	57.3	7.14	1,694.9	0.71	2.40	55.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G310	5/3/2024	9:34	7.23	13.3	56.0	6.79	1,202.0	1.27	4.29	31.3
G310	5/3/2024	9:37	7.23	13.3	55.9	6.76	1,198.4	1.04	3.98	30.6
G310	5/3/2024	9:40	7.23	13.3	55.9	6.74	1,197.2	0.92	3.63	30.4
G310	5/3/2024	9:43	7.23	13.3	55.9	6.74	1,196.5	0.84	3.14	30.6
G310	5/3/2024	9:46	7.23	13.3	55.9	6.74	1,196.5	0.79	2.42	30.8
G310	5/3/2024	9:49	7.23	13.3	55.9	6.74	1,196.0	0.75	2.23	31.1
G310	5/3/2024	9:52	7.23	13.3	55.9	6.74	1,197.2	0.71	2.19	31.5
G310	5/3/2024	9:55	7.23	13.4	56.0	6.74	1,197.6	0.69	2.02	31.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G312	5/6/2024	12:56	10.18	13.8	56.9	6.13	1,816.5	1.19	2.73	22.0
G312	5/6/2024	12:59	10.18	13.7	56.7	6.13	1,881.6	1.07	4.66	19.5
G312	5/6/2024	13:02	10.18	13.7	56.7	6.14	1,941.6	0.98	2.57	18.6
G312	5/6/2024	13:05	10.18	13.7	56.6	6.14	1,990.6	0.92	2.14	18.9
G312	5/6/2024	13:08	10.18	13.6	56.5	6.15	2,030.0	0.88	2.81	21.3
G312	5/6/2024	13:11	10.18	13.6	56.5	6.15	2,072.3	0.83	4.80	24.1
G312	5/6/2024	13:14	10.18	13.7	56.6	6.15	2,094.7	0.80	13.46	26.7
G312	5/6/2024	13:17	10.18	13.7	56.6	6.15	2,113.1	0.78	11.32	28.9
G312	5/6/2024	13:20	10.18	13.7	56.7	6.15	2,125.4	0.75	4.91	30.8
G312	5/6/2024	13:23	10.18	13.7	56.7	6.15	2,137.5	0.73	3.08	32.4
G312	5/6/2024	13:26	10.18	13.8	56.8	6.16	2,149.1	0.71	4.09	33.9
G312	5/6/2024	13:29	10.18	13.8	56.8	6.16	2,159.1	0.69	3.61	35.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G313	5/1/2024	11:58	3.01	14.2	57.6	6.82	1,715.6	1.09	12.19	59.1
G313	5/1/2024	12:01	3.01	14.3	57.7	6.81	1,715.3	0.93	16.53	56.8
G313	5/1/2024	12:04	3.01	14.2	57.6	6.81	1,720.3	0.83	16.15	55.0
G313	5/1/2024	12:07	3.01	14.1	57.4	6.81	1,721.8	0.77	20.52	53.3
G313	5/1/2024	12:10	3.01	14.1	57.4	6.81	1,720.8	0.72	25.27	52.0
G313	5/1/2024	12:13	3.01	14.1	57.3	6.81	1,720.9	0.69	31.82	51.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314	4/30/2024	13:49	5.48	13.7	56.6	6.59	3,492.4	0.92	20.65	-6.7
G314	4/30/2024	13:52	5.48	13.7	56.7	6.58	3,496.5	0.82	34.63	-5.7
G314	4/30/2024	13:55	5.48	13.6	56.6	6.58	3,488.8	0.76	88.76	-5.1
G314	4/30/2024	13:58	5.48	13.8	56.8	6.57	3,495.2	0.72	164.74	-5.2
G314	4/30/2024	14:01	5.48	13.7	56.7	6.57	3,499.7	0.68	184.89	-5.3
G314	4/30/2024	14:04	5.48	13.6	56.5	6.57	3,498.2	0.66	212.75	-5.4
G314	4/30/2024	14:07	5.48	13.8	56.8	6.57	3,494.3	0.64	6.57	-5.7
G314	4/30/2024	14:10	5.48	13.8	56.8	6.56	3,493.0	0.62	11.74	-5.9
G314	4/30/2024	14:13	5.48	13.7	56.6	6.56	3,483.8	0.61	16.21	-6.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314D	4/30/2024	12:52	5.82	14.6	58.3	6.80	2,745.8	0.63	63.32	-52.4
G314D	4/30/2024	12:55	5.82	14.6	58.3	6.83	2,736.1	0.61	91.69	-49.8
G314D	4/30/2024	12:58	5.82	14.5	58.0	6.89	2,724.1	0.59	127.11	-46.8
G314D	4/30/2024	13:01	5.82	14.6	58.3	6.93	2,718.2	0.58	176.12	-43.4
G314D	4/30/2024	13:04	5.82	14.6	58.4	6.95	2,720.7	0.57	177.93	-40.0
G314D	4/30/2024	13:07	5.82	14.6	58.4	6.96	2,722.4	0.56	178.65	-36.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G315	5/2/2024	10:16	2.34	14.4	57.9	6.81	1,178.6	1.16	3.06	10.1
G315	5/2/2024	10:19	2.34	14.3	57.7	6.80	1,175.5	1.04	2.83	11.0
G315	5/2/2024	10:22	2.34	14.3	57.8	6.78	1,173.6	0.95	2.54	11.8
G315	5/2/2024	10:25	2.34	14.3	57.8	6.78	1,173.4	0.88	2.16	12.7
G315	5/2/2024	10:28	2.34	14.3	57.7	6.78	1,172.2	0.84	2.10	13.8
G315	5/2/2024	10:31	2.34	14.3	57.7	6.77	1,170.1	0.80	1.96	14.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G316	4/30/2024	11:32	10.95	12.3	54.1	6.84	1,861.9	1.16	11.74	-55.8
G316	4/30/2024	11:35	10.95	12.3	54.1	6.82	1,884.0	0.98	10.59	-63.8
G316	4/30/2024	11:38	10.95	12.3	54.1	6.81	1,896.4	0.88	11.06	-69.0
G316	4/30/2024	11:41	10.95	12.4	54.3	6.81	1,893.4	0.81	10.20	-72.8
G316	4/30/2024	11:44	10.95	12.4	54.3	6.82	1,894.4	0.76	9.51	-75.6
G316	4/30/2024	11:47	10.95	12.4	54.3	6.82	1,895.2	0.73	9.20	-78.1
G316	4/30/2024	11:50	10.95	12.4	54.3	6.82	1,897.8	0.69	8.73	-79.7
G316	4/30/2024	11:53	10.95	12.4	54.2	6.83	1,901.0	0.67	8.39	-81.3
G316	4/30/2024	11:56	10.95	12.4	54.4	6.83	1,896.2	0.65	7.79	-82.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G401	5/2/2024	13:48	20.94	17.2	63.0	5.99	1,446.5	1.82	99.02	90.3
G401	5/2/2024	13:57	20.94	17.0	62.5	5.93	1,260.2	1.34	8.90	104.2
G401	5/2/2024	14:00	20.94	16.9	62.5	5.91	1,303.5	1.23	6.26	92.5
G401	5/2/2024	14:03	20.94	17.3	63.2	5.90	1,341.0	1.16	4.91	81.9
G401	5/2/2024	14:06	20.94	17.8	64.0	5.89	1,395.7	1.11	4.24	71.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G402	5/6/2024	11:42	8.74	14.1	57.3	6.97	1,662.4	6.82	15.00	108.5
G402	5/6/2024	11:45	8.74	14.1	57.3	6.98	1,663.0	7.04	16.34	109.0
G402	5/6/2024	11:48	8.74	14.0	57.3	6.99	1,663.6	7.17	17.13	109.4
G402	5/6/2024	11:51	8.74	14.0	57.2	7.00	1,665.3	7.37	24.94	109.9
G402	5/6/2024	11:54	8.74	14.0	57.2	7.01	1,665.3	7.61	25.24	110.2
G402	5/6/2024	11:57	8.74	14.0	57.2	7.01	1,665.8	7.54	29.75	110.9
G402	5/6/2024	12:00	8.74	14.0	57.2	7.02	1,666.7	7.65	38.01	111.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G403	5/6/2024	10:19	6.26	14.4	57.8	6.86	716.4	0.68	7.82	82.2
G403	5/6/2024	10:22	6.26	14.4	57.9	6.85	717.0	0.41	6.17	76.5
G403	5/6/2024	10:25	6.26	14.4	57.9	6.85	716.2	0.34	5.65	73.0
G403	5/6/2024	10:28	6.26	14.5	58.1	6.85	716.9	0.30	6.25	70.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G404	5/6/2024	12:35	3.80	13.7	56.6	6.83	1,391.1	0.71	2.98	102.1
G404	5/6/2024	12:38	3.80	14.0	57.2	6.86	1,171.4	1.04	3.65	94.4
G404	5/6/2024	12:41	3.80	14.0	57.2	6.85	1,148.8	1.03	2.89	91.0
G404	5/6/2024	12:44	3.80	13.9	57.1	6.84	1,150.3	1.09	3.05	88.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G405	5/6/2024	13:04	6.05	13.9	57.1	7.04	1,606.2	1.59	10.61	77.9
G405	5/6/2024	13:07	6.05	14.0	57.3	6.96	1,828.7	0.84	7.71	68.8
G405	5/6/2024	13:10	6.05	14.1	57.4	6.95	1,854.7	0.64	7.49	63.0
G405	5/6/2024	13:13	6.05	14.0	57.3	6.96	1,818.5	0.71	8.10	59.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G406	5/6/2024	10:53	10.24	15.0	58.9	6.67	1,387.6	1.07	2.49	102.1
G406	5/6/2024	10:56	10.24	14.9	58.8	6.65	1,385.1	0.75	2.35	101.5
G406	5/6/2024	10:59	10.24	14.9	58.8	6.65	1,386.0	0.55	2.28	100.5
G406	5/6/2024	11:02	10.24	14.9	58.8	6.65	1,380.5	0.45	2.12	100.0
G406	5/6/2024	11:05	10.24	14.9	58.8	6.65	1,371.7	0.36	1.36	99.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G407	4/29/2024	14:25	4.27	14.3	57.7	6.61	2,200.6	1.28	42.72	100.7
G407	4/29/2024	14:28	4.27	14.2	57.6	6.64	2,125.0	1.44	59.54	99.6
G407	4/29/2024	14:31	4.27	14.2	57.5	6.67	2,097.6	1.69	66.85	99.1
G407	4/29/2024	14:34	4.27	14.5	58.1	6.67	2,101.2	1.75	71.68	98.6
G407	4/29/2024	14:37	4.27	14.5	58.2	6.67	2,116.1	1.75	86.10	98.2
G407	4/29/2024	14:40	4.27	14.6	58.3	6.67	2,139.2	1.72	42.10	97.9
G407	4/29/2024	14:43	4.27	14.7	58.4	6.67	2,165.6	1.66	44.51	97.7
G407	4/29/2024	14:46	4.27	14.8	58.6	6.66	2,186.8	1.60	42.77	97.6
G407	4/29/2024	14:49	4.27	14.8	58.7	6.66	2,202.7	1.54	54.10	97.4
G407	4/29/2024	14:52	4.27	14.8	58.7	6.65	2,211.6	1.48	71.17	97.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G410	4/30/2024	10:18	6.21	12.9	55.2	6.16	1,017.8	1.26	2.74	46.3
G410	4/30/2024	10:21	6.21	12.9	55.3	6.16	1,029.7	1.08	2.06	44.8
G410	4/30/2024	10:24	6.21	12.9	55.2	6.16	1,036.4	0.97	1.85	43.5
G410	4/30/2024	10:27	6.21	12.9	55.2	6.18	1,038.6	0.89	1.71	41.8
G410	4/30/2024	10:30	6.21	12.9	55.2	6.20	1,043.1	0.84	1.66	39.7
G410	4/30/2024	10:33	6.21	12.9	55.3	6.21	1,045.9	0.80	1.61	38.8
G410	4/30/2024	10:36	6.21	12.9	55.1	6.21	1,045.7	0.77	1.54	38.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G411	4/29/2024	12:59	4.33	13.2	55.8	7.04	861.1	0.98	5.53	107.4
G411	4/29/2024	13:02	4.33	13.2	55.8	7.04	862.8	0.91	8.27	105.8
G411	4/29/2024	13:05	4.33	13.2	55.8	7.04	865.4	0.86	10.05	104.6
G411	4/29/2024	13:08	4.33	13.2	55.7	7.04	865.8	0.82	14.01	103.6
G411	4/29/2024	13:11	4.33	13.2	55.8	7.04	866.1	0.79	16.20	102.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	5/8/2024	11:11	-	20.5	68.9	11.87	13,935.1	5.12	5.92	-43.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
NE Riser	4/29/2024	13:04	1.05	DTW Only						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R104	5/2/2024	12:51	6.85	16.9	62.4	7.47	784.4	4.55	4.41	91.1
R104	5/2/2024	12:54	6.85	17.1	62.8	7.47	786.6	4.55	4.31	92.1
R104	5/2/2024	12:57	6.85	17.4	63.2	7.47	789.5	4.58	4.26	93.0
R104	5/2/2024	13:00	6.85	17.4	63.4	7.47	789.0	4.55	4.01	93.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201	5/7/2024	12:34	2.59	16.4	61.5	7.03	986.3	2.48	9.71	-4.5
R201	5/7/2024	12:37	2.59	16.2	61.1	7.03	985.8	2.32	7.97	-9.7
R201	5/7/2024	12:40	2.59	16.1	61.0	7.03	985.7	2.16	6.75	-10.5
R201	5/7/2024	12:43	2.59	16.2	61.2	7.03	986.0	2.05	6.83	-14.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R205	5/7/2024	13:34	4.29	16.3	61.3	6.75	1,314.1	2.85	9.15	89.6
R205	5/7/2024	13:37	4.29	15.8	60.5	6.75	1,310.0	2.66	5.26	86.9
R205	5/7/2024	13:40	4.29	15.7	60.3	6.75	1,308.0	2.52	4.18	86.6
R205	5/7/2024	13:43	4.29	15.2	59.4	6.75	1,298.5	2.29	9.63	85.1
R205	5/7/2024	13:46	4.29	15.2	59.3	6.75	1,296.9	2.11	7.63	84.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	4/29/2024	15:29	6.68	DTW Only						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-03	4/29/2024	10:27	7.94	DTW Only						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T127	5/6/2024	14:48	13.81	15.1	59.3	7.03	719.4	2.61	82.03	53.1
T127	5/6/2024	14:51	13.81	15.1	59.2	7.02	718.8	2.45	61.90	51.6
T127	5/6/2024	14:54	13.81	15.1	59.1	7.01	718.2	2.31	52.98	50.7
T127	5/6/2024	14:57	13.81	15.0	58.9	7.00	717.7	2.23	37.86	50.0
T127	5/6/2024	15:00	13.81	15.0	59.0	7.00	716.9	2.17	33.99	49.2
T127	5/6/2024	15:03	13.81	14.9	58.9	6.99	716.5	2.13	30.87	48.7
T127	5/6/2024	15:06	13.81	14.8	58.7	6.98	716.5	2.01	25.01	48.2

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T128	5/1/2024	11:13	13.83	15.1	59.2	7.21	748.2	3.78	9.90	92.7
T128	5/1/2024	11:16	13.83	15.1	59.2	7.20	748.4	3.61	8.57	93.0
T128	5/1/2024	11:19	13.83	15.2	59.4	7.19	747.9	3.39	7.83	93.4
T128	5/1/2024	11:22	13.83	15.2	59.4	7.18	747.8	3.14	7.21	93.3
T128	5/1/2024	11:25	13.83	15.3	59.6	7.17	747.0	2.94	6.25	93.1
T128	5/1/2024	11:28	13.83	15.2	59.4	7.17	746.5	2.81	5.67	92.9
T128	5/1/2024	11:31	13.83	15.1	59.3	7.16	745.8	2.69	4.88	92.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
X201	5/7/2024	13:25	-	24.5	76.1	5.93	20,857.6	8.28	4.73	158.9

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW01	5/7/2024	13:43	4.63	17.5	63.5	7.75	1,274.3	1.15	24.93	-80.4
XPW01	5/7/2024	13:46	4.63	17.6	63.7	7.78	1,282.4	0.94	16.72	-103.1
XPW01	5/7/2024	13:49	4.63	17.5	63.5	7.79	1,281.1	0.82	12.01	-111.7
XPW01	5/7/2024	13:52	4.63	17.5	63.6	7.79	1,281.0	0.72	9.81	-118.1
XPW01	5/7/2024	13:55	4.63	16.7	62.1	7.80	1,284.1	0.62	8.23	-121.6

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XPW02	5/8/2024	10:28	9.87	16.9	62.4	7.74	826.6	0.87	12.50	-191.7
XPW02	5/8/2024	10:31	9.87	16.8	62.3	7.69	832.4	0.77	17.33	-201.3
XPW02	5/8/2024	10:34	9.87	16.8	62.2	7.69	831.2	0.72	18.15	-204.7
XPW02	5/8/2024	10:37	9.87	16.7	62.1	7.69	832.2	0.68	15.38	-206.8
XPW02	5/8/2024	10:40	9.87	16.8	62.2	7.69	835.2	0.65	7.39	-207.3
XPW02	5/8/2024	10:43	9.87	16.7	62.1	7.69	834.7	0.63	4.99	-208.1
XPW02	5/8/2024	10:46	9.87	16.7	62.1	7.69	838.5	0.62	2.25	-209.2
XPW02	5/8/2024	10:49	9.87	16.7	62.0	7.69	839.6	0.61	4.12	-209.3

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	4/29/2024	11:10	7.94	DTW Only						

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	5/8/2024	11:21	QA/QC Sample							

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102 Duplicate	5/2/2024	10:45	4.33	14.4	58.0	7.29	541.8	3.49	8.29	81.3
G102 Duplicate	5/2/2024	10:48	4.33	14.3	57.7	7.28	533.9	3.41	8.00	78.9
G102 Duplicate	5/2/2024	10:51	4.33	14.3	57.8	7.28	539.0	3.25	12.29	78.0
G102 Duplicate	5/2/2024	10:54	4.33	14.2	57.6	7.29	544.0	3.10	15.69	77.7
G102 Duplicate	5/2/2024	10:57	4.33	14.2	57.5	7.28	548.5	3.03	11.60	77.9
G102 Duplicate	5/2/2024	11:00	4.33	14.1	57.4	7.29	553.4	2.96	9.57	78.3
G102 Duplicate	5/2/2024	11:03	4.33	14.1	57.4	7.29	558.1	2.89	11.75	78.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200 Duplicate	5/7/2024	12:29	2.90	16.6	61.9	7.20	848.9	0.91	20.80	29.5
G200 Duplicate	5/7/2024	12:32	2.90	16.7	62.1	7.19	847.2	0.55	30.37	24.3
G200 Duplicate	5/7/2024	12:35	2.90	16.5	61.7	7.19	846.9	0.41	84.52	20.5
G200 Duplicate	5/7/2024	12:38	2.90	16.7	62.0	7.18	849.0	0.31	86.74	17.6
G200 Duplicate	5/7/2024	12:41	2.90	16.6	62.0	7.19	849.0	0.25	74.88	14.2
G200 Duplicate	5/7/2024	12:44	2.90	16.8	62.2	7.19	848.9	0.20	63.14	11.6
G200 Duplicate	5/7/2024	12:47	2.90	17.1	62.8	7.19	849.3	0.17	57.50	11.4
G200 Duplicate	5/7/2024	12:50	2.90	17.0	62.6	7.19	849.2	0.15	58.08	8.3
G200 Duplicate	5/7/2024	12:53	2.90	17.3	63.1	7.19	849.7	0.13	53.10	6.4

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217 Duplicate	5/2/2024	12:24	13.75	15.6	60.0	6.89	1,552.2	0.85	78.38	10.9
G217 Duplicate	5/2/2024	12:27	13.75	15.5	59.9	6.89	1,555.1	0.83	92.93	11.2
G217 Duplicate	5/2/2024	12:30	13.75	15.4	59.8	6.88	1,558.7	0.82	6.39	11.5
G217 Duplicate	5/2/2024	12:33	13.75	15.5	59.9	6.88	1,557.9	0.80	10.99	11.7
G217 Duplicate	5/2/2024	12:36	13.75	15.5	59.8	6.88	1,560.8	0.78	4.73	12.3
G217 Duplicate	5/2/2024	12:39	13.75	15.6	60.1	6.88	1,560.0	0.76	4.53	12.7

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301 Duplicate	5/6/2024	10:10	6.18	14.1	57.4	6.32	1,086.9	1.15	4.32	-53.2
G301 Duplicate	5/6/2024	10:13	6.18	14.1	57.3	6.26	1,081.2	0.97	4.69	-49.0
G301 Duplicate	5/6/2024	10:16	6.18	14.1	57.4	6.24	1,076.6	0.86	4.97	-47.2
G301 Duplicate	5/6/2024	10:19	6.18	14.2	57.5	6.24	1,074.9	0.80	4.36	-45.6
G301 Duplicate	5/6/2024	10:22	6.18	14.2	57.6	6.25	1,072.3	0.75	3.81	-43.5
G301 Duplicate	5/6/2024	10:25	6.18	14.2	57.6	6.25	1,071.4	0.71	4.04	-41.4
G301 Duplicate	5/6/2024	10:28	6.18	14.3	57.7	6.26	1,068.7	0.69	3.60	-39.8

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201 Duplicate	5/7/2024	12:34	2.59	16.4	61.5	7.03	986.3	2.48	9.71	-4.5
R201 Duplicate	5/7/2024	12:37	2.59	16.2	61.1	7.03	985.8	2.32	7.97	-9.7
R201 Duplicate	5/7/2024	12:40	2.59	16.1	61.0	7.03	985.7	2.16	6.75	-10.5
R201 Duplicate	5/7/2024	12:43	2.59	16.2	61.2	7.03	986.0	2.05	6.83	-14.0

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

LIMS Workorder: 24041541

Coffeen- 2Q 2024

COF-845-103

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Equipment Blank 1	5/8/2024	11:35	QA/QC Sample							

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G219	5/7/2024	10:46	6.45	14.8	58.6	7.22	878.3	2.39	24.36	-21.7
G219	5/7/2024	10:49	6.45	15.2	59.3	7.19	872.4	1.79	31.03	-30.8
G219	5/7/2024	10:52	6.45	15.8	60.4	7.18	874.4	1.67	35.97	-39.3
G219	5/7/2024	10:55	6.45	14.3	57.7	7.18	869.9	1.33	34.62	-47.1
G219	5/7/2024	10:58	6.45	14.3	57.7	7.17	868.1	1.01	26.45	-50.5
G219	5/7/2024	11:01	6.45	14.3	57.8	7.17	867.6	0.82	24.72	-52.7
G219	5/7/2024	11:04	6.45	13.7	56.7	7.17	866.9	0.67	24.92	-54.4
G219	5/7/2024	11:07	6.45	13.9	57.0	7.17	866.7	0.56	25.18	-56.4
G219	5/7/2024	11:10	6.45	13.9	56.9	7.17	866.6	0.45	26.09	-58.1

Site Sampling Event: Coffeen- 2Q24

Groundwater Sampling Field Forms- Groundwater Quality Parameters

COFFEEN POWER PLANT, GMF GYPSUM STACK POND

COF-845-103

LIMS Workorder: 24041541

Coffeen- 2Q 2024

Technician(s): DC, JC, TC, BG, PY

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G220	5/7/2024	11:47	12.10	16.2	61.2	6.89	1,271.8	2.17	24.68	38.5
G220	5/7/2024	11:50	12.10	16.0	60.8	6.89	1,269.8	1.87	25.70	38.1
G220	5/7/2024	11:53	12.10	15.5	60.0	6.88	1,267.7	1.58	28.08	35.8
G220	5/7/2024	11:56	12.10	15.6	60.1	6.89	1,267.0	1.30	30.77	33.0
G220	5/7/2024	11:59	12.10	15.8	60.4	6.88	1,264.0	1.05	29.44	30.6
G220	5/7/2024	12:02	12.10	15.3	59.5	6.89	1,266.3	0.87	20.10	25.6
G220	5/7/2024	12:05	12.10	15.4	59.7	6.88	1,266.1	0.74	22.71	22.2
G220	5/7/2024	12:08	12.10	15.4	59.8	6.89	1,265.9	0.64	24.62	20.7

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 BField Meter ID: Pine 218083 Technician(s): justin colp Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	4/30/24 8:54
7.0 Buffer	wc240307f	7.01	4/30/24 8:50
10.0 Buffer	wc231027d	9.99	4/30/24 8:59
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1415	4/30/24 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.82	4/30/24 9:04
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/30/24 9:08	17.9	7.01	1,415	1.82		
CCV-1	CCV	4/30/24 14:52	18.8	7.03	1,423	1.84		

Comments: _____

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.99	5/1/24 9:05
7.0 Buffer	wc240307f	7.00	5/1/24 9:00
10.0 Buffer	wc231027d	10.00	5/1/24 9:10
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1418	5/1/24 9:16

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.78	5/1/24 9:16
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/1/24 9:18	20.4	7.00	1,418	1.78		
CCV-M-2	CCV	5/1/24 12:25	20.9	7.02	1,421	1.77		
CCV-2	CCV	5/1/24 14:54	21.7	7.03	1,427	1.8		

Comments: _____

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)

Coffeen- 2Q 2024

Field Temp SOP 1156 - SM 2550 B

Field pH SOP 1152 - SW-846 9040B - SM 4500-H B

Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/2/24 9:12
7.0 Buffer	wc240307f	7.02	5/2/24 8:55
10.0 Buffer	wc231027d	10.00	5/2/24 9:12
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1414	5/2/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	5/2/24 9:18
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/2/24 9:18	21.1	7.02	1,414	0.91		
CCV-M-3	CCV	5/2/24 12:30	21.4	7.03	1,415	0.91		
CCV-3	CCV	5/2/24 14:59	22.8	7.03	1,420	0.9		

Comments:

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.00	5/3/24 8:53
7.0 Buffer	wc240307f	7.01	5/3/24 8:47
10.0 Buffer	wc231027d	10.01	5/3/24 8:56
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/3/24 9:00

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.91	5/3/24 9:00
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/3/24 9:04	20.7	7.01	1,413	0.91		
CCV-4	CCV	5/3/24 10:31	21.1	7.02	1,414	0.93		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)

Coffeen- 2Q 2024

Field Temp SOP 1156 - SM 2550 B

Field pH SOP 1152 - SW-846 9040B - SM 4500-H B

Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083

Technician(s): justin colp

Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	5/6/24 10:01
7.0 Buffer	wc240307f	7.00	5/6/24 9:42
10.0 Buffer	wc231027d	9.99	5/6/24 10:02
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1413	5/6/24 10:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.92	5/6/24 10:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/6/24 10:07	20.1	7.00	1,413	0.92		
CCV-5	CCV	5/6/24 14:50	22.9	7.03	1,422	1.28		

Comments:

Field Meter ID: Pine 218083

Technician(s): justin colp

Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	3.98	5/7/24 9:04
7.0 Buffer	wc240307f	7.01	5/7/24 8:58
10.0 Buffer	wc231027d	10.00	5/7/24 9:07
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1416	5/7/24 9:11

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.2	5/7/24 9:11
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/7/24 9:13	21.2	7.01	1,416	1.2		
CCV-6	CCV	5/7/24 14:17	22.9	7.03	1,431	0.98		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 218083 Technician(s): justin colp Date: 5/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830b	4.01	5/8/24 8:48
7.0 Buffer	wc240307f	7.02	5/8/24 8:42
10.0 Buffer	wc231027d	10.00	5/8/24 8:53
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1411	5/8/24 8:56

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.87	5/8/24 8:57
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/8/24 9:00	18.9	7.02	1,411	0.87		
CCV-7	CCV	5/8/24 10:59	21.4	7.04	1,426	0.93		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 BField Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 4/29/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	4/29/24 10:45
7.0 Buffer	WC240307F	7.02	4/29/24 10:42
10.0 Buffer	WC230619B	10.00	4/29/24 10:48
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/29/24 10:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	4/29/24 10:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/29/24 10:55	20.2	7.01	1,413	0.26		
CCV-1	CCV	4/29/24 14:15	21.3	7.01	1,438	0.58		

Comments: _____

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	4/30/24 9:11
7.0 Buffer	WC240307F	7.03	4/30/24 9:08
10.0 Buffer	WC230619B	9.98	4/30/24 9:14
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/30/24 9:17

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.45	4/30/24 9:20
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	4/30/24 9:25	19.5	7.01	1,410	1.45		
CCV-M-2	CCV	4/30/24 11:47	19.7	7.01	1,414	1.08		
CCV-2	CCV	4/30/24 14:43	25.2	7.03	1,473	1.63		

Comments: _____

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/1/24 9:23
7.0 Buffer	WC240307F	7.01	5/1/24 9:20
10.0 Buffer	WC230619B	10.02	5/1/24 9:26
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/1/24 9:29

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.81	5/1/24 9:32
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/1/24 9:29	22.9	7.10	1,412	1.81		
CCV-M-3	CCV	5/1/24 12:22	23.1	7.06	1,422	1.64		
CCV-3	CCV	5/1/24 15:02	23.9	7.08	1,458	1.55		

Comments:

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/2/24 9:20
7.0 Buffer	WC240307F	7.01	5/2/24 9:17
10.0 Buffer	WC230619B	10.00	5/2/24 9:23
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/2/24 9:27

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.02	5/2/24 9:31
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/2/24 9:33	21.4	7.06	1,413	1.02		
CCV-M-4	CCV	5/2/24 12:02	21.6	7.07	1,414	1.1		
CCV-4	CCV	5/2/24 14:58	23.8	7.08	1,422	1.33		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 BField Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/3/24 8:56
7.0 Buffer	WC240307F	7.02	5/3/24 8:53
10.0 Buffer	WC230619B	10.00	5/3/24 8:59
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/3/24 9:02

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.23	5/3/24 9:05
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/3/24 9:07	20.5	7.01	1,410	1.23		
CCV-5	CCV	5/3/24 10:43	21.4	6.99	1,436	1.73		

Comments: _____

Field Meter ID: Pine 45986 Technician(s): Tracy Carroll Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/6/24 9:10
7.0 Buffer	WC240307F	7.02	5/6/24 9:05
10.0 Buffer	WC230619B	10.00	5/6/24 9:13
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/6/24 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.87	5/6/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/6/24 9:33	20.1	7.07	1,412	1.86		
CCV-M-6	CCV	5/6/24 12:31	20.4	7.04	1,420	1.56		
CCV-6	CCV	5/6/24 16:30	21.6	7.02	1,456	1.55		

Comments: CCV time is 1630

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45986

Technician(s): Tracy Carroll

Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/7/24 9:16
7.0 Buffer	WC240307F	7.01	5/7/24 9:09
10.0 Buffer	WC230619B	10.00	5/7/24 9:20
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/7/24 9:25

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.22	5/7/24 9:17
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/7/24 9:25	23.5	7.05	1,413	1.23		
CCV-7	CCV	5/7/24 14:31	24.2	7.06	1,456	1.58		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 BField Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 4/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.03	4/30/24 8:55
7.0 Buffer	WC240307F	7.01	4/30/24 9:00
10.0 Buffer	WC230619B	10.01	4/30/24 9:05
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	4/30/24 9:05

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.52	4/30/24 9:08
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	4/30/24 9:14	20	7.00	1,412	1.52		
CCV-1	CCV	4/30/24 14:52	24	7.20	1,410	1.54		

Comments: _____

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/1/24 8:39
7.0 Buffer	WC240307F	7.01	5/1/24 8:45
10.0 Buffer	WC230619B	10.00	5/1/24 8:51
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1411	5/1/24 8:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.51	5/1/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	5/1/24 9:03	21.2	7.01	1,412	1.51		
CCV-M-2	CCV	5/1/24 12:11	22	7.00	1,413	1.5		
CCV-2	CCV	5/1/24 14:57	23.6	7.00	1,412	1.59		

Comments: _____

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)

Coffeen- 2Q 2024

Field Temp SOP 1156 - SM 2550 B

Field pH SOP 1152 - SW-846 9040B - SM 4500-H B

Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26559

Technician(s): Brett Gillihan

Date: 5/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/2/24 8:40
7.0 Buffer	WC240307F	7.03	5/2/24 8:47
10.0 Buffer	WC230619B	10.00	5/2/24 8:55
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/2/24 8:59

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.58	5/2/24 9:01
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	5/2/24 9:08	19.78	7.01	1,412	1.68		
CCV-M-3	CCV	5/2/24 11:39	21.6	7.01	1,412	1.34		
CCV-3	CCV	5/2/24 15:00	23.2	7.00	1,412	1.44		

Comments:

Field Meter ID: Pine 26559

Technician(s): Brett Gillihan

Date: 5/3/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/3/24 8:50
7.0 Buffer	WC240307F	7.03	5/3/24 8:56
10.0 Buffer	WC230619B	10.00	5/3/24 8:59
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/3/24 9:03

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.4	5/3/24 9:09
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	5/3/24 9:09	19.04	7.00	1,412	1.41		
CCV-4	CCV	5/3/24 10:34	19	7.02	1,413	1.63		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024

Field Temp SOP 1156 - SM 2550 B

Field pH SOP 1152 - SW-846 9040B - SM 4500-H B

Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.02	5/6/24 9:46
7.0 Buffer	WC240307F	7.00	5/6/24 9:50
10.0 Buffer	WC230619B	10.01	5/6/24 10:04
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1413	5/6/24 10:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	5/6/24 10:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	5/6/24 10:09	19.21	7.01	1,413	1.6		
CCV-5	CCV	5/6/24 15:34	23.61	7.02	1,414	1.71		

Comments:

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	5/7/24 8:47
7.0 Buffer	WC240307F	7.01	5/7/24 8:58
10.0 Buffer	WC230619B	10.03	5/7/24 9:12
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	95009	1412	5/7/24 9:14

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	5/7/24 9:23
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	5/7/24 9:29	18.8	7.01	1,412	1.5		
CCV-M-6	CCV	5/7/24 12:11	20.1	7.02	1,413	1.44		
CCV-6	CCV	5/7/24 15:32	21.2	7.00	1,414	1.4		

Comments:

Site Sampling Event: Coffeen- 2Q2024

LIMS Workorder: 24041541

Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 2Q 2024Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 26559 Technician(s): Brett Gillihan Date: 5/8/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.03	5/8/24 8:36
7.0 Buffer	WC240307F	7.01	5/8/24 8:41
10.0 Buffer	WC230619B	10.02	5/8/24 8:46
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	95009	1412	5/8/24 8:50

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.11	5/8/24 8:55
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

D.O. Saturation	LIMS ID/Lot#	Reading	Date/Time
100%	N/A		

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-7	LCS	5/8/24 8:59	20.1	7.02	1,412	1.08		
CCV-7	CCV	5/8/24 11:09	20.9	7.04	1,413	1.21		

Comments:



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43197
Description YSI ProDSS Display
Calibrated 4/26/2024 6:27:15PM

Manufacturer YSI	State Certified
Model Number ProDSS	Status Pass
Serial Number/ Lot Number 18E105408	Temp °C 22.2
Location St. Louis	Humidity % 43
Department	

Calibration Specifications

Group # 1
Group Name Functional / Datalogging Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>(As Of Cal Entry Date)</u>	
					<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 26599
Description YSI ProDSS
Calibrated 4/26/2024 6:29:23PM

Manufacturer YSI
Model Number ProDSS
Serial Number/ Lot Number 15H101893
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.37	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.41	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.22	10.05	0.50%	Pass

Group # 2
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>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.31	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.85	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.494	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>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.0 / 240.0	mv	240.0	mv	225.8	240.0	0.00%	Pass

Group # 5
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>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 43907
Description YSI ProDSS
Calibrated 4/25/2024 3:34:30PM

Manufacturer YSI
Model Number PRO DSS
Serial Number/ Lot Number 18J103033
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Function Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Next Cal Date / Last Cal Date/ Expiration Date</u>	<u>Opened Date</u>

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45986
Description YSI Pro DSS
Calibrated 4/25/2024 3:36:31PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 19E101800
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.71	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.83	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.49	10.05	0.50%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	2.33	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	98.92	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.550	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	200.30	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218050
Description YSI Pro DSS Display
Calibrated 4/26/2024 6:24:40PM

Manufacturer YSI
Model Number YSI Pro Dss
Serial Number/ Lot 23E101406
Number
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name Instrument Test
Test Performed: Yes **As Found Result: Pass** **As Left Result: Pass**

Test Instruments Used During the Calibration

(As Of Cal Entry Date)

<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Next Cal Date / Last Cal Date/ Expiration Date</u>	<u>Opened Date</u>

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

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INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 218083
Description YSI Pro DSS Sonde
Calibrated 4/26/2024 6:26:38PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102674
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.34	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.27	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	FNU	0.00	FNU	0.44	0.00	0.00%	Pass
124.00 / 124.00	FNU	124.00	FNU	115.85	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.510	1.413	0.00%	Pass

Group # 4
Group Name Redox (ORP)
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	223.10	240.00	0.00%	Pass

Group # 5
Group Name Dissolved Oxygen Span
Stated Accy Pct of Reading

Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>

ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 2, 2024

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
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	E005	Antimony, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.001	0.003
G206	UA	E005	Arsenic, total	mg/L	11/18/15 - 04/30/24	23	67	CI around median	0.001	0.0110
G206	UA	E005	Barium, total	mg/L	11/18/15 - 04/30/24	23	3	CI around mean	0.0483	0.130
G206	UA	E005	Beryllium, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.001	0.001
G206	UA	E005	Boron, total	mg/L	11/18/15 - 04/30/24	30	79	CI around median	0.01	0.110
G206	UA	E005	Cadmium, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.001	0.001
G206	UA	E005	Chloride, total	mg/L	11/18/15 - 04/30/24	30	0	CB around linear reg	18.9	94.9
G206	UA	E005	Chromium, total	mg/L	11/18/15 - 04/30/24	23	83	CB around T-S line	0.0031	0.00960
G206	UA	E005	Cobalt, total	mg/L	11/18/15 - 04/30/24	23	97	CB around T-S line	0.00168	0.00370
G206	UA	E005	Fluoride, total	mg/L	11/18/15 - 04/30/24	31	5	CI around mean	0.386	0.552
G206	UA	E005	Lead, total	mg/L	11/18/15 - 04/30/24	23	94	CI around median	0.001	0.00590
G206	UA	E005	Lithium, total	mg/L	11/18/15 - 04/30/24	16	100	All ND - Last	0.003	0.02
G206	UA	E005	Mercury, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.0002	0.00110
G206	UA	E005	Molybdenum, total	mg/L	11/18/15 - 04/30/24	23	64	CI around median	0.001	0.0440
G206	UA	E005	pH (field)	SU	11/18/15 - 04/30/24	32	0	CI around median	7.1/7.2	6.8/7.4
G206	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 04/30/24	16	0	CI around mean	0.419	1.48
G206	UA	E005	Selenium, total	mg/L	11/18/15 - 04/30/24	23	83	CI around median	0.001	0.00350
G206	UA	E005	Sulfate, total	mg/L	11/18/15 - 04/30/24	30	0	CB around linear reg	129	387
G206	UA	E005	Thallium, total	mg/L	11/18/15 - 04/30/24	23	100	All ND - Last	0.002	0.001
G206	UA	E005	Total Dissolved Solids	mg/L	11/18/15 - 04/30/24	30	0	CB around T-S line	484	975
G206D	DA	E005	Antimony, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.003
G206D	DA	E005	Arsenic, total	mg/L	03/30/21 - 04/30/24	11	0	CI around mean	0.00483	0.0110
G206D	DA	E005	Barium, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	0.163	0.130
G206D	DA	E005	Beryllium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.001
G206D	DA	E005	Boron, total	mg/L	03/30/21 - 04/30/24	11	0	CI around mean	0.115	0.110
G206D	DA	E005	Cadmium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.001
G206D	DA	E005	Chloride, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	3.88	94.9

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COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G206D	DA	E005	Chromium, total	mg/L	03/30/21 - 04/30/24	11	82	CB around T-S line	-0.00434	0.00960
G206D	DA	E005	Cobalt, total	mg/L	03/30/21 - 04/30/24	11	91	CB around T-S line	-3.9e-05	0.00370
G206D	DA	E005	Fluoride, total	mg/L	03/30/21 - 04/30/24	11	0	CI around mean	0.707	0.552
G206D	DA	E005	Lead, total	mg/L	03/30/21 - 04/30/24	11	82	CI around median	0.001	0.00590
G206D	DA	E005	Lithium, total	mg/L	03/30/21 - 04/30/24	11	91	CB around T-S line	-0.00221	0.02
G206D	DA	E005	Mercury, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.0002	0.00110
G206D	DA	E005	Molybdenum, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	0.00582	0.0440
G206D	DA	E005	pH (field)	SU	03/30/21 - 04/30/24	11	0	CI around mean	7.0/7.4	6.8/7.4
G206D	DA	E005	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 04/30/24	12	0	CI around mean	0.28	1.48
G206D	DA	E005	Selenium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.001	0.00350
G206D	DA	E005	Sulfate, total	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	-87.5	387
G206D	DA	E005	Thallium, total	mg/L	03/30/21 - 04/30/24	11	100	All ND - Last	0.002	0.001
G206D	DA	E005	Total Dissolved Solids	mg/L	03/30/21 - 04/30/24	11	0	CB around linear reg	426	975
G209	UA	E005	Antimony, total	mg/L	11/18/15 - 05/01/24	23	97	CB around T-S line	0.00236	0.003
G209	UA	E005	Arsenic, total	mg/L	11/18/15 - 05/01/24	23	41	CI around geomean	0.00114	0.0110
G209	UA	E005	Barium, total	mg/L	11/18/15 - 05/01/24	23	0	CI around mean	0.058	0.130
G209	UA	E005	Beryllium, total	mg/L	11/18/15 - 05/01/24	23	97	Most recent sample	0.001	0.001
G209	UA	E005	Boron, total	mg/L	11/18/15 - 05/01/24	30	58	CI around median	0.01	0.110
G209	UA	E005	Cadmium, total	mg/L	11/18/15 - 05/01/24	23	98	Most recent sample	0.001	0.001
G209	UA	E005	Chloride, total	mg/L	11/18/15 - 05/01/24	30	0	CI around median	59	94.9
G209	UA	E005	Chromium, total	mg/L	11/18/15 - 05/01/24	23	69	CB around T-S line	0.00323	0.00960
G209	UA	E005	Cobalt, total	mg/L	11/18/15 - 05/01/24	23	89	CB around T-S line	0.00168	0.00370
G209	UA	E005	Fluoride, total	mg/L	11/18/15 - 05/01/24	31	2	CI around mean	0.409	0.552
G209	UA	E005	Lead, total	mg/L	11/18/15 - 05/01/24	23	87	CI around median	0.001	0.00590
G209	UA	E005	Lithium, total	mg/L	11/18/15 - 05/01/24	16	75	CI around median	0.0058	0.02
G209	UA	E005	Mercury, total	mg/L	11/18/15 - 05/01/24	23	97	Most recent sample	0.0002	0.00110
G209	UA	E005	Molybdenum, total	mg/L	11/18/15 - 05/01/24	23	8	CB around linear reg	0.00203	0.0440

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G209	UA	E005	pH (field)	SU	11/18/15 - 05/01/24	34	0	CI around mean	7.0/7.2	6.8/7.4
G209	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 05/01/24	16	0	CI around mean	0.494	1.48
G209	UA	E005	Selenium, total	mg/L	11/18/15 - 05/01/24	23	63	CI around median	0.001	0.00350
G209	UA	E005	Sulfate, total	mg/L	11/18/15 - 05/01/24	30	0	CB around T-S line	214	387
G209	UA	E005	Thallium, total	mg/L	11/18/15 - 05/01/24	23	94	CB around T-S line	0.001	0.001
G209	UA	E005	Total Dissolved Solids	mg/L	11/18/15 - 05/01/24	30	0	CB around linear reg	814	975
G212	UA	E005	Antimony, total	mg/L	11/18/15 - 05/01/24	23	100	All ND - Last	0.001	0.003
G212	UA	E005	Arsenic, total	mg/L	11/18/15 - 05/01/24	23	85	CI around median	0.001	0.0110
G212	UA	E005	Barium, total	mg/L	11/18/15 - 05/01/24	23	0	CI around mean	0.049	0.130
G212	UA	E005	Beryllium, total	mg/L	11/18/15 - 05/01/24	23	97	CI around median	0.001	0.001
G212	UA	E005	Boron, total	mg/L	11/18/15 - 05/01/24	30	83	CI around median	0.01	0.110
G212	UA	E005	Cadmium, total	mg/L	11/18/15 - 05/01/24	23	98	CI around median	0.001	0.001
G212	UA	E005	Chloride, total	mg/L	11/18/15 - 05/01/24	30	0	CB around linear reg	43.6	94.9
G212	UA	E005	Chromium, total	mg/L	11/18/15 - 05/01/24	23	86	CB around T-S line	0.0032	0.00960
G212	UA	E005	Cobalt, total	mg/L	11/18/15 - 05/01/24	23	97	CB around T-S line	0.00168	0.00370
G212	UA	E005	Fluoride, total	mg/L	11/18/15 - 05/01/24	30	12	CI around median	0.32	0.552
G212	UA	E005	Lead, total	mg/L	11/18/15 - 05/01/24	23	85	CI around median	0.001	0.00590
G212	UA	E005	Lithium, total	mg/L	11/18/15 - 05/01/24	16	100	All ND - Last	0.003	0.02
G212	UA	E005	Mercury, total	mg/L	11/18/15 - 05/01/24	23	97	CI around median	0.0002	0.00110
G212	UA	E005	Molybdenum, total	mg/L	11/18/15 - 05/01/24	23	72	CI around median	0.001	0.0440
G212	UA	E005	pH (field)	SU	11/18/15 - 05/01/24	31	0	CI around mean	7.1/7.3	6.8/7.4
G212	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 05/01/24	16	0	CI around mean	0.44	1.48
G212	UA	E005	Selenium, total	mg/L	11/18/15 - 05/01/24	23	14	CB around linear reg	-5.18e-05	0.00350
G212	UA	E005	Sulfate, total	mg/L	11/18/15 - 05/01/24	30	0	CI around mean	53.5	387
G212	UA	E005	Thallium, total	mg/L	11/18/15 - 05/01/24	23	97	CB around T-S line	0.001	0.001
G212	UA	E005	Total Dissolved Solids	mg/L	11/18/15 - 05/01/24	30	0	CB around linear reg	395	975
G213	UA	E005	Antimony, total	mg/L	10/13/20 - 05/06/24	15	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	E005	Arsenic, total	mg/L	10/13/20 - 05/06/24	15	68	CI around median	0.001	0.0110
G213	UA	E005	Barium, total	mg/L	10/13/20 - 05/06/24	15	0	CI around mean	0.0466	0.130
G213	UA	E005	Beryllium, total	mg/L	10/13/20 - 05/06/24	15	93	Most recent sample	0.001	0.001
G213	UA	E005	Boron, total	mg/L	10/13/20 - 05/06/24	15	90	CB around T-S line	0.01	0.110
G213	UA	E005	Cadmium, total	mg/L	10/13/20 - 05/06/24	15	97	Most recent sample	0.001	0.001
G213	UA	E005	Chloride, total	mg/L	10/13/20 - 05/06/24	15	0	CI around mean	42.1	94.9
G213	UA	E005	Chromium, total	mg/L	10/13/20 - 05/06/24	15	59	CI around median	0.004	0.00960
G213	UA	E005	Cobalt, total	mg/L	10/13/20 - 05/06/24	15	85	CB around T-S line	0.000727	0.00370
G213	UA	E005	Fluoride, total	mg/L	10/13/20 - 05/06/24	15	7	CI around median	0.267	0.552
G213	UA	E005	Lead, total	mg/L	10/13/20 - 05/06/24	15	68	CI around median	0.001	0.00590
G213	UA	E005	Lithium, total	mg/L	02/15/23 - 05/06/24	6	33	CI around median (Last Sample, n<7)	0.0042	0.02
G213	UA	E005	Mercury, total	mg/L	10/13/20 - 05/06/24	15	100	All ND - Last	0.0002	0.00110
G213	UA	E005	Molybdenum, total	mg/L	10/13/20 - 05/06/24	15	82	CB around T-S line	0.001	0.0440
G213	UA	E005	pH (field)	SU	10/13/20 - 05/06/24	15	0	CI around mean	7.0/7.2	6.8/7.4
G213	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 05/06/24	6	0	CI around mean	-0.141	1.48
G213	UA	E005	Selenium, total	mg/L	10/13/20 - 05/06/24	15	26	CI around median	0.001	0.00350
G213	UA	E005	Sulfate, total	mg/L	10/13/20 - 05/06/24	15	0	CB around linear reg	62.5	387
G213	UA	E005	Thallium, total	mg/L	10/13/20 - 05/06/24	15	96	CB around T-S line	0.001	0.001
G213	UA	E005	Total Dissolved Solids	mg/L	10/13/20 - 05/06/24	15	0	CI around mean	375	975
G215	UA	E005	Antimony, total	mg/L	11/24/15 - 04/30/24	23	97	CB around T-S line	0.00215	0.003
G215	UA	E005	Arsenic, total	mg/L	11/24/15 - 04/30/24	23	20	CB around T-S line	-0.0286	0.0110
G215	UA	E005	Barium, total	mg/L	11/24/15 - 04/30/24	23	0	CB around linear reg	0.00672	0.130
G215	UA	E005	Beryllium, total	mg/L	11/24/15 - 04/30/24	23	100	All ND - Last	0.001	0.001
G215	UA	E005	Boron, total	mg/L	11/24/15 - 04/30/24	31	24	CB around linear reg	0.667	0.110
G215	UA	E005	Cadmium, total	mg/L	11/24/15 - 04/30/24	23	100	All ND - Last	0.001	0.001
G215	UA	E005	Chloride, total	mg/L	11/24/15 - 04/30/24	31	0	CB around T-S line	96	94.9
G215	UA	E005	Chromium, total	mg/L	11/24/15 - 04/30/24	23	91	CB around T-S line	0.0032	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	E005	Cobalt, total	mg/L	11/24/15 - 04/30/24	23	91	CB around T-S line	0.00116	0.00370
G215	UA	E005	Fluoride, total	mg/L	11/24/15 - 04/30/24	31	14	CB around T-S line	0.184	0.552
G215	UA	E005	Lead, total	mg/L	11/24/15 - 04/30/24	23	85	CI around median	0.001	0.00590
G215	UA	E005	Lithium, total	mg/L	11/24/15 - 04/30/24	16	75	CI around median	0.0096	0.02
G215	UA	E005	Mercury, total	mg/L	11/24/15 - 04/30/24	23	100	All ND - Last	0.0002	0.00110
G215	UA	E005	Molybdenum, total	mg/L	11/24/15 - 04/30/24	23	88	CI around median	0.001	0.0440
G215	UA	E005	pH (field)	SU	11/24/15 - 04/30/24	33	0	CI around mean	6.9/7.1	6.8/7.4
G215	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 04/30/24	16	0	CI around mean	0.458	1.48
G215	UA	E005	Selenium, total	mg/L	11/24/15 - 04/30/24	23	91	CI around median	0.001	0.00350
G215	UA	E005	Sulfate, total	mg/L	11/24/15 - 04/30/24	31	0	CB around linear reg	519	387
G215	UA	E005	Thallium, total	mg/L	11/24/15 - 04/30/24	23	100	All ND - Last	0.002	0.001
G215	UA	E005	Total Dissolved Solids	mg/L	11/24/15 - 04/30/24	31	0	CB around linear reg	1,240	975
G217	UA	E005	Antimony, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.001	0.003
G217	UA	E005	Arsenic, total	mg/L	10/14/20 - 05/02/24	15	84	CI around median	0.001	0.0110
G217	UA	E005	Barium, total	mg/L	10/14/20 - 05/02/24	15	0	CI around mean	0.0925	0.130
G217	UA	E005	Beryllium, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.001	0.001
G217	UA	E005	Boron, total	mg/L	10/14/20 - 05/02/24	15	71	CB around T-S line	0.01	0.110
G217	UA	E005	Cadmium, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.001	0.001
G217	UA	E005	Chloride, total	mg/L	10/14/20 - 05/02/24	15	0	CB around linear reg	114	94.9
G217	UA	E005	Chromium, total	mg/L	10/14/20 - 05/02/24	15	69	CB around T-S line	0.000938	0.00960
G217	UA	E005	Cobalt, total	mg/L	10/14/20 - 05/02/24	15	88	CB around T-S line	0.00073	0.00370
G217	UA	E005	Fluoride, total	mg/L	10/14/20 - 05/02/24	15	12	CI around median	0.296	0.552
G217	UA	E005	Lead, total	mg/L	10/14/20 - 05/02/24	15	90	CI around median	0.001	0.00590
G217	UA	E005	Lithium, total	mg/L	02/15/23 - 05/02/24	6	33	CI around median (Last Sample, n<7)	0.0037	0.02
G217	UA	E005	Mercury, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.0002	0.00110
G217	UA	E005	Molybdenum, total	mg/L	10/14/20 - 05/02/24	15	88	CB around T-S line	0.001	0.0440
G217	UA	E005	pH (field)	SU	10/14/20 - 05/02/24	15	0	CI around mean	6.8/7.0	6.8/7.4

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G217	UA	E005	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 05/02/24	6	0	CI around mean	0.314	1.48
G217	UA	E005	Selenium, total	mg/L	10/14/20 - 05/02/24	15	77	Most recent sample	0.001	0.00350
G217	UA	E005	Sulfate, total	mg/L	10/14/20 - 05/02/24	15	0	CB around linear reg	414	387
G217	UA	E005	Thallium, total	mg/L	10/14/20 - 05/02/24	15	100	All ND - Last	0.002	0.001
G217	UA	E005	Total Dissolved Solids	mg/L	10/14/20 - 05/02/24	15	0	CB around linear reg	1,030	975
G218	UA	E005	Antimony, total	mg/L	11/24/15 - 05/02/24	23	100	All ND - Last	0.001	0.003
G218	UA	E005	Arsenic, total	mg/L	11/24/15 - 05/02/24	23	22	CI around geomean	0.00131	0.0110
G218	UA	E005	Barium, total	mg/L	11/24/15 - 05/02/24	23	0	CB around linear reg	0.0764	0.130
G218	UA	E005	Beryllium, total	mg/L	11/24/15 - 05/02/24	23	97	CI around median	0.001	0.001
G218	UA	E005	Boron, total	mg/L	11/24/15 - 05/02/24	30	77	CB around T-S line	0.01	0.110
G218	UA	E005	Cadmium, total	mg/L	11/24/15 - 05/02/24	23	98	CI around median	0.001	0.001
G218	UA	E005	Chloride, total	mg/L	11/24/15 - 05/02/24	30	0	CI around median	84	94.9
G218	UA	E005	Chromium, total	mg/L	11/24/15 - 05/02/24	23	74	CB around T-S line	0.00215	0.00960
G218	UA	E005	Cobalt, total	mg/L	11/24/15 - 05/02/24	23	89	CB around T-S line	0.00168	0.00370
G218	UA	E005	Fluoride, total	mg/L	11/24/15 - 05/02/24	31	12	CI around mean	0.288	0.552
G218	UA	E005	Lead, total	mg/L	11/24/15 - 05/02/24	23	91	CI around median	0.001	0.00590
G218	UA	E005	Lithium, total	mg/L	11/24/15 - 05/02/24	16	75	CI around median	0.0048	0.02
G218	UA	E005	Mercury, total	mg/L	11/24/15 - 05/02/24	23	100	All ND - Last	0.0002	0.00110
G218	UA	E005	Molybdenum, total	mg/L	11/24/15 - 05/02/24	23	88	CI around median	0.001	0.0440
G218	UA	E005	pH (field)	SU	11/24/15 - 05/02/24	32	0	CI around mean	6.9/7.0	6.8/7.4
G218	UA	E005	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 05/02/24	16	0	CI around mean	0.569	1.48
G218	UA	E005	Selenium, total	mg/L	11/24/15 - 05/02/24	23	86	CI around median	0.001	0.00350
G218	UA	E005	Sulfate, total	mg/L	11/24/15 - 05/02/24	30	0	CB around linear reg	341	387
G218	UA	E005	Thallium, total	mg/L	11/24/15 - 05/02/24	23	100	All ND - Last	0.002	0.001
G218	UA	E005	Total Dissolved Solids	mg/L	11/24/15 - 05/02/24	31	0	CB around linear reg	910	975

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 2, 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