



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

February 17, 2025

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

Re: Coffeen Power Plant GMF Gypsum Stack Pond; IEPA ID # W1350150004-03

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Generating Company is submitting groundwater monitoring data for the Quarter 4, 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 evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances¹ 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).

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration (ASD) was submitted on August 6, 2024 for the exceedance of the GWPS detected during the Quarter 2, 2023 sampling event. Exceedance(s) of arsenic were detected during the Quarter 1, 2024 sampling event in the same monitoring well(s) identified in the approved ASD. The IEPA provided a written concurrence with the ASD on September 5, 2024, and therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

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 4, 2024, GMF Gypsum Stack Pond, Coffeen Power Plant, Coffeen, Illinois

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Illinois Power Generating Company's operating permit application for Coffeen Power Plant GMF GSP. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Illinois Power Generating Company has not identified any actual exceedances.

35 I.A.C. § 845.610(b)(3)(D)
GROUNDWATER MONITORING DATA AND DETECTED EXCEEDANCES¹
QUARTER 4, 2024
GMF GYPSUM STACK POND, COFFEEN POWER PLANT, COFFEEN, ILLINOIS

February 17, 2025

Samples were collected between October 29 and November 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 December 19, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 4, 2024 sampling 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 4, 2024 sampling event.

In accordance with 35 I.A.C. § 845.610(b)(3)(C) and the statistical analysis plan submitted with the operating permit application (Appendix A of the Groundwater Monitoring Plan², constituent concentrations observed at compliance monitoring wells in Quarter 4, 2024 were evaluated for compliance with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine exceedances of the GWPS (**Table 2**). **Attachment C** shows the results of the comparison to background levels.

The date of this submittal is considered to be the date that the exceedances were detected.

As allowed in 35 I.A.C. § 845.650(e), an Alternative Source Demonstration³ (ASD) was submitted on August 6, 2024 for the exceedances of the GWPS detected during the Quarter 2, 2023 sampling event. Exceedances of arsenic were detected during the Quarter 1, 2024 sampling event in the same monitoring wells identified in the approved ASD. The Illinois Environmental Protection Agency (IEPA) provided a written concurrence with the ASD on September 5, 2024⁴, and therefore, groundwater monitoring may continue in accordance with 35 I.A.C. § 845.650(e)(5).

¹ Throughout this document, "exceedance" or "exceedances" is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program, which was submitted to the IEPA on October 25, 2021 as part of Illinois Power Generating Company's operating permit application for Coffeen Power Plant GMF Gypsum Stack Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and therefore Illinois Power Generating Company has not identified any actual exceedances.

² Ramboll Americas Engineering Solutions, Inc. (Ramboll), 2021. *Groundwater Monitoring Plan. GMF Gypsum Stack Pond. Coffeen Power Plant. Coffeen, Illinois. October 25, 2021.*

³ Geosyntec Consultants, Inc. (Geosyntec), 2024. *Alternative Source Demonstration, Coffeen Power Plant GMF Gypsum Stack Pond (Unit ID #103), IEPA ID: W1350150004-03, 35 I.A.C. § 845.650. August 6, 2024.*

⁴ Illinois Environmental Protection Agency (IEPA), 2024. *Letter from Darin E. LeCrone, P.E. (IEPA) to Dianna Tickner (Illinois Power Generating Company.): Re: Coffeen Power Plant GMF Gypsum Stack Pond; W1350150004-03, Alternative Source Demonstration (ASD) Submittal. September 5, 2024.*

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 4, 2024
Table 2	Evaluation of Compliance - Quarter 4, 2024

FIGURES

Figure 1	Monitoring Well Location Map

ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 4, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 4, 2024
Attachment C	Comparison to Background - Quarter 4, 2024

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G200	Background	E007	10/29/2024	Antimony, total	0.00550 J+	mg/L
G200	Background	E007	10/29/2024	Arsenic, total	0.0007 J	mg/L
G200	Background	E007	10/29/2024	Barium, total	0.0524 J	mg/L
G200	Background	E007	10/29/2024	Beryllium, total	0.0002 U	mg/L
G200	Background	E007	10/29/2024	Boron, total	0.0092 U	mg/L
G200	Background	E007	10/29/2024	Cadmium, total	0.0002 U	mg/L
G200	Background	E007	10/29/2024	Calcium, total	77.0	mg/L
G200	Background	E007	10/29/2024	Chloride, total	48.3 J	mg/L
G200	Background	E007	10/29/2024	Chromium, total	0.0256 J	mg/L
G200	Background	E007	10/29/2024	Cobalt, total	0.0003 J	mg/L
G200	Background	E007	10/29/2024	Dissolved Oxygen	1.87	mg/L
G200	Background	E007	10/29/2024	Fluoride, total	0.24 J	mg/L
G200	Background	E007	10/29/2024	Lead, total	0.0006 U	mg/L
G200	Background	E007	10/29/2024	Lithium, total	0.00660	mg/L
G200	Background	E007	10/29/2024	Mercury, total	0.00006 U	mg/L
G200	Background	E007	10/29/2024	Molybdenum, total	0.0014 J	mg/L
G200	Background	E007	10/29/2024	Oxidation Reduction Potential	-14.0	mV
G200	Background	E007	10/29/2024	pH (field)	6.9	SU
G200	Background	E007	10/29/2024	Radium 226 + Radium 228, total	0.594	pCi/L
G200	Background	E007	10/29/2024	Selenium, total	0.0006 U	mg/L
G200	Background	E007	10/29/2024	Specific Conductance @ 25C (field)	816	micromhos/cm
G200	Background	E007	10/29/2024	Sulfate, total	103	mg/L
G200	Background	E007	10/29/2024	Temperature	21.4	degrees C
G200	Background	E007	10/29/2024	Thallium, total	0.001 U	mg/L
G200	Background	E007	10/29/2024	Total Dissolved Solids	558	mg/L
G200	Background	E007	10/29/2024	Turbidity, field	5.00	NTU
R201	Background	E007	10/30/2024	Antimony, total	0.0004 U	mg/L
R201	Background	E007	10/30/2024	Arsenic, total	0.00290 J	mg/L
R201	Background	E007	10/30/2024	Barium, total	0.0986	mg/L
R201	Background	E007	10/30/2024	Beryllium, total	0.0002 U	mg/L
R201	Background	E007	10/30/2024	Boron, total	0.0092 U	mg/L
R201	Background	E007	10/30/2024	Cadmium, total	0.0002 U	mg/L
R201	Background	E007	10/30/2024	Calcium, total	108	mg/L
R201	Background	E007	10/30/2024	Chloride, total	65.6	mg/L
R201	Background	E007	10/30/2024	Chromium, total	0.00310 J	mg/L
R201	Background	E007	10/30/2024	Cobalt, total	0.00120	mg/L
R201	Background	E007	10/30/2024	Dissolved Oxygen	0.460	mg/L
R201	Background	E007	10/30/2024	Fluoride, total	0.23 J	mg/L
R201	Background	E007	10/30/2024	Lead, total	0.00140	mg/L
R201	Background	E007	10/30/2024	Lithium, total	0.00380	mg/L
R201	Background	E007	10/30/2024	Mercury, total	0.00006 U	mg/L
R201	Background	E007	10/30/2024	Molybdenum, total	0.0014 J	mg/L
R201	Background	E007	10/30/2024	Oxidation Reduction Potential	-100	mV
R201	Background	E007	10/30/2024	pH (field)	6.8	SU
R201	Background	E007	10/30/2024	Radium 226 + Radium 228, total	0.938	pCi/L
R201	Background	E007	10/30/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
R201	Background	E007	10/30/2024	Specific Conductance @ 25C (field)	1,050	micromhos/cm
R201	Background	E007	10/30/2024	Sulfate, total	165	mg/L
R201	Background	E007	10/30/2024	Temperature	17.1	degrees C
R201	Background	E007	10/30/2024	Thallium, total	0.001 U	mg/L
R201	Background	E007	10/30/2024	Total Dissolved Solids	695	mg/L
R201	Background	E007	10/30/2024	Turbidity, field	21.0	NTU
G206	Compliance	E007	10/31/2024	Antimony, total	0.0004 U	mg/L
G206	Compliance	E007	10/31/2024	Arsenic, total	0.00190	mg/L
G206	Compliance	E007	10/31/2024	Barium, total	0.0727	mg/L
G206	Compliance	E007	10/31/2024	Beryllium, total	0.0002 U	mg/L
G206	Compliance	E007	10/31/2024	Boron, total	0.0092 U	mg/L
G206	Compliance	E007	10/31/2024	Cadmium, total	0.0002 U	mg/L
G206	Compliance	E007	10/31/2024	Calcium, total	94.7	mg/L
G206	Compliance	E007	10/31/2024	Chloride, total	23.2	mg/L
G206	Compliance	E007	10/31/2024	Chromium, total	0.001 J	mg/L
G206	Compliance	E007	10/31/2024	Cobalt, total	0.0003 J	mg/L
G206	Compliance	E007	10/31/2024	Dissolved Oxygen	0.940	mg/L
G206	Compliance	E007	10/31/2024	Fluoride, total	0.22 J	mg/L
G206	Compliance	E007	10/31/2024	Lead, total	0.0006 U	mg/L
G206	Compliance	E007	10/31/2024	Lithium, total	0.0027 J	mg/L
G206	Compliance	E007	10/31/2024	Mercury, total	0.00006 U	mg/L
G206	Compliance	E007	10/31/2024	Molybdenum, total	0.0009 J	mg/L
G206	Compliance	E007	10/31/2024	Oxidation Reduction Potential	-209	mV
G206	Compliance	E007	10/31/2024	pH (field)	7.1	SU
G206	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.121	pCi/L
G206	Compliance	E007	10/31/2024	Selenium, total	0.0006 U	mg/L
G206	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	833	micromhos/cm
G206	Compliance	E007	10/31/2024	Sulfate, total	156	mg/L
G206	Compliance	E007	10/31/2024	Temperature	17.0	degrees C
G206	Compliance	E007	10/31/2024	Thallium, total	0.001 U	mg/L
G206	Compliance	E007	10/31/2024	Total Dissolved Solids	552	mg/L
G206	Compliance	E007	10/31/2024	Turbidity, field	15.0	NTU
G206D	Compliance	E007	10/31/2024	Antimony, total	0.0004 U	mg/L
G206D	Compliance	E007	10/31/2024	Arsenic, total	0.0117	mg/L
G206D	Compliance	E007	10/31/2024	Barium, total	0.224	mg/L
G206D	Compliance	E007	10/31/2024	Beryllium, total	0.0002 U	mg/L
G206D	Compliance	E007	10/31/2024	Boron, total	0.123	mg/L
G206D	Compliance	E007	10/31/2024	Cadmium, total	0.0002 U	mg/L
G206D	Compliance	E007	10/31/2024	Calcium, total	80.8	mg/L
G206D	Compliance	E007	10/31/2024	Chloride, total	16.8	mg/L
G206D	Compliance	E007	10/31/2024	Chromium, total	0.0007 U	mg/L
G206D	Compliance	E007	10/31/2024	Cobalt, total	0.0001 U	mg/L
G206D	Compliance	E007	10/31/2024	Dissolved Oxygen	1.06	mg/L
G206D	Compliance	E007	10/31/2024	Fluoride, total	0.780	mg/L
G206D	Compliance	E007	10/31/2024	Lead, total	0.0006 U	mg/L
G206D	Compliance	E007	10/31/2024	Lithium, total	0.0019 J	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
G206D	Compliance	E007	10/31/2024	Mercury, total	0.00006 U	mg/L
G206D	Compliance	E007	10/31/2024	Molybdenum, total	0.00250 J+	mg/L
G206D	Compliance	E007	10/31/2024	Oxidation Reduction Potential	-174	mV
G206D	Compliance	E007	10/31/2024	pH (field)	7.3	SU
G206D	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.132	pCi/L
G206D	Compliance	E007	10/31/2024	Selenium, total	0.0006 U	mg/L
G206D	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	910	micromhos/cm
G206D	Compliance	E007	10/31/2024	Sulfate, total	82.1	mg/L
G206D	Compliance	E007	10/31/2024	Temperature	15.4	degrees C
G206D	Compliance	E007	10/31/2024	Thallium, total	0.001 U	mg/L
G206D	Compliance	E007	10/31/2024	Total Dissolved Solids	602	mg/L
G206D	Compliance	E007	10/31/2024	Turbidity, field	49.0	NTU
G209	Compliance	E007	10/31/2024	Antimony, total	0.0004 U	mg/L
G209	Compliance	E007	10/31/2024	Arsenic, total	0.00140	mg/L
G209	Compliance	E007	10/31/2024	Barium, total	0.0656	mg/L
G209	Compliance	E007	10/31/2024	Beryllium, total	0.0002 U	mg/L
G209	Compliance	E007	10/31/2024	Boron, total	0.011 J	mg/L
G209	Compliance	E007	10/31/2024	Cadmium, total	0.0002 U	mg/L
G209	Compliance	E007	10/31/2024	Calcium, total	146	mg/L
G209	Compliance	E007	10/31/2024	Chloride, total	53.1	mg/L
G209	Compliance	E007	10/31/2024	Chromium, total	0.0007 J	mg/L
G209	Compliance	E007	10/31/2024	Cobalt, total	0.0004 J	mg/L
G209	Compliance	E007	10/31/2024	Dissolved Oxygen	1.04	mg/L
G209	Compliance	E007	10/31/2024	Fluoride, total	0.28 J	mg/L
G209	Compliance	E007	10/31/2024	Lead, total	0.0006 U	mg/L
G209	Compliance	E007	10/31/2024	Lithium, total	0.00540	mg/L
G209	Compliance	E007	10/31/2024	Mercury, total	0.00006 U	mg/L
G209	Compliance	E007	10/31/2024	Molybdenum, total	0.00270 J+	mg/L
G209	Compliance	E007	10/31/2024	Oxidation Reduction Potential	-86.0	mV
G209	Compliance	E007	10/31/2024	pH (field)	6.8	SU
G209	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.938	pCi/L
G209	Compliance	E007	10/31/2024	Selenium, total	0.0006 U	mg/L
G209	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	1,190	micromhos/cm
G209	Compliance	E007	10/31/2024	Sulfate, total	241	mg/L
G209	Compliance	E007	10/31/2024	Temperature	16.8	degrees C
G209	Compliance	E007	10/31/2024	Thallium, total	0.001 U	mg/L
G209	Compliance	E007	10/31/2024	Total Dissolved Solids	798	mg/L
G209	Compliance	E007	10/31/2024	Turbidity, field	5.80	NTU
G212	Compliance	E007	10/31/2024	Antimony, total	0.0004 U	mg/L
G212	Compliance	E007	10/31/2024	Arsenic, total	0.0004 U	mg/L
G212	Compliance	E007	10/31/2024	Barium, total	0.0570	mg/L
G212	Compliance	E007	10/31/2024	Beryllium, total	0.0002 U	mg/L
G212	Compliance	E007	10/31/2024	Boron, total	0.0092 U	mg/L
G212	Compliance	E007	10/31/2024	Cadmium, total	0.0002 U	mg/L
G212	Compliance	E007	10/31/2024	Calcium, total	51.1	mg/L
G212	Compliance	E007	10/31/2024	Chloride, total	47.2	mg/L

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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	E007	10/31/2024	Chromium, total	0.00680	mg/L
G212	Compliance	E007	10/31/2024	Cobalt, total	0.0002 J	mg/L
G212	Compliance	E007	10/31/2024	Dissolved Oxygen	0.590	mg/L
G212	Compliance	E007	10/31/2024	Fluoride, total	0.2 U	mg/L
G212	Compliance	E007	10/31/2024	Lead, total	0.0006 U	mg/L
G212	Compliance	E007	10/31/2024	Lithium, total	0.0015 J	mg/L
G212	Compliance	E007	10/31/2024	Mercury, total	0.00006 U	mg/L
G212	Compliance	E007	10/31/2024	Molybdenum, total	0.0008 J	mg/L
G212	Compliance	E007	10/31/2024	Oxidation Reduction Potential	13.0	mV
G212	Compliance	E007	10/31/2024	pH (field)	6.7	SU
G212	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.147	pCi/L
G212	Compliance	E007	10/31/2024	Selenium, total	0.0006 U	mg/L
G212	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	647	micromhos/cm
G212	Compliance	E007	10/31/2024	Sulfate, total	57.2	mg/L
G212	Compliance	E007	10/31/2024	Temperature	16.7	degrees C
G212	Compliance	E007	10/31/2024	Thallium, total	0.001 U	mg/L
G212	Compliance	E007	10/31/2024	Total Dissolved Solids	464	mg/L
G212	Compliance	E007	10/31/2024	Turbidity, field	100	NTU
G213	Compliance	E007	10/31/2024	Antimony, total	0.0004 U	mg/L
G213	Compliance	E007	10/31/2024	Arsenic, total	0.0004 U	mg/L
G213	Compliance	E007	10/31/2024	Barium, total	0.0541	mg/L
G213	Compliance	E007	10/31/2024	Beryllium, total	0.0002 U	mg/L
G213	Compliance	E007	10/31/2024	Boron, total	0.0092 U	mg/L
G213	Compliance	E007	10/31/2024	Cadmium, total	0.0002 U	mg/L
G213	Compliance	E007	10/31/2024	Calcium, total	67.0	mg/L
G213	Compliance	E007	10/31/2024	Chloride, total	49.3	mg/L
G213	Compliance	E007	10/31/2024	Chromium, total	0.0009 J	mg/L
G213	Compliance	E007	10/31/2024	Cobalt, total	0.0001 J	mg/L
G213	Compliance	E007	10/31/2024	Dissolved Oxygen	0.540	mg/L
G213	Compliance	E007	10/31/2024	Fluoride, total	0.2 U	mg/L
G213	Compliance	E007	10/31/2024	Lead, total	0.0006 U	mg/L
G213	Compliance	E007	10/31/2024	Lithium, total	0.00330	mg/L
G213	Compliance	E007	10/31/2024	Mercury, total	0.00006 U	mg/L
G213	Compliance	E007	10/31/2024	Molybdenum, total	0.0006 U	mg/L
G213	Compliance	E007	10/31/2024	Oxidation Reduction Potential	24.0	mV
G213	Compliance	E007	10/31/2024	pH (field)	6.7	SU
G213	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.278	pCi/L
G213	Compliance	E007	10/31/2024	Selenium, total	0.0006 U	mg/L
G213	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	627	micromhos/cm
G213	Compliance	E007	10/31/2024	Sulfate, total	61.3	mg/L
G213	Compliance	E007	10/31/2024	Temperature	16.6	degrees C
G213	Compliance	E007	10/31/2024	Thallium, total	0.001 U	mg/L
G213	Compliance	E007	10/31/2024	Total Dissolved Solids	470	mg/L
G213	Compliance	E007	10/31/2024	Turbidity, field	160	NTU
G215	Compliance	E007	10/31/2024	Antimony, total	0.0004 U	mg/L
G215	Compliance	E007	10/31/2024	Arsenic, total	0.00310	mg/L

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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
G215	Compliance	E007	10/31/2024	Barium, total	0.0386	mg/L
G215	Compliance	E007	10/31/2024	Beryllium, total	0.0002 U	mg/L
G215	Compliance	E007	10/31/2024	Boron, total	0.699	mg/L
G215	Compliance	E007	10/31/2024	Cadmium, total	0.0002 U	mg/L
G215	Compliance	E007	10/31/2024	Calcium, total	169	mg/L
G215	Compliance	E007	10/31/2024	Chloride, total	139	mg/L
G215	Compliance	E007	10/31/2024	Chromium, total	0.0007 U	mg/L
G215	Compliance	E007	10/31/2024	Cobalt, total	0.0007 J	mg/L
G215	Compliance	E007	10/31/2024	Dissolved Oxygen	1.28	mg/L
G215	Compliance	E007	10/31/2024	Fluoride, total	0.2 U	mg/L
G215	Compliance	E007	10/31/2024	Lead, total	0.0006 U	mg/L
G215	Compliance	E007	10/31/2024	Lithium, total	0.00880	mg/L
G215	Compliance	E007	10/31/2024	Mercury, total	0.00006 U	mg/L
G215	Compliance	E007	10/31/2024	Molybdenum, total	0.0006 U	mg/L
G215	Compliance	E007	10/31/2024	Oxidation Reduction Potential	-36.0	mV
G215	Compliance	E007	10/31/2024	pH (field)	6.8	SU
G215	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.122	pCi/L
G215	Compliance	E007	10/31/2024	Selenium, total	0.0006 U	mg/L
G215	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	1,730	micromhos/cm
G215	Compliance	E007	10/31/2024	Sulfate, total	569	mg/L
G215	Compliance	E007	10/31/2024	Temperature	16.5	degrees C
G215	Compliance	E007	10/31/2024	Thallium, total	0.001 U	mg/L
G215	Compliance	E007	10/31/2024	Total Dissolved Solids	1,330	mg/L
G215	Compliance	E007	10/31/2024	Turbidity, field	65.0	NTU
G217	Compliance	E007	10/31/2024	Antimony, total	0.0004 U	mg/L
G217	Compliance	E007	10/31/2024	Arsenic, total	0.0005 J	mg/L
G217	Compliance	E007	10/31/2024	Barium, total	0.0676	mg/L
G217	Compliance	E007	10/31/2024	Beryllium, total	0.0002 U	mg/L
G217	Compliance	E007	10/31/2024	Boron, total	0.0571	mg/L
G217	Compliance	E007	10/31/2024	Cadmium, total	0.0002 U	mg/L
G217	Compliance	E007	10/31/2024	Calcium, total	220	mg/L
G217	Compliance	E007	10/31/2024	Chloride, total	150	mg/L
G217	Compliance	E007	10/31/2024	Chromium, total	0.0007 U	mg/L
G217	Compliance	E007	10/31/2024	Cobalt, total	0.0003 J	mg/L
G217	Compliance	E007	10/31/2024	Dissolved Oxygen	1.12	mg/L
G217	Compliance	E007	10/31/2024	Fluoride, total	0.2 U	mg/L
G217	Compliance	E007	10/31/2024	Lead, total	0.0006 U	mg/L
G217	Compliance	E007	10/31/2024	Lithium, total	0.00390	mg/L
G217	Compliance	E007	10/31/2024	Mercury, total	0.00006 U	mg/L
G217	Compliance	E007	10/31/2024	Molybdenum, total	0.0006 U	mg/L
G217	Compliance	E007	10/31/2024	Oxidation Reduction Potential	-90.0	mV
G217	Compliance	E007	10/31/2024	pH (field)	6.7	SU
G217	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	0.565	pCi/L
G217	Compliance	E007	10/31/2024	Selenium, total	0.0006 U	mg/L
G217	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	1,690	micromhos/cm
G217	Compliance	E007	10/31/2024	Sulfate, total	554	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 4, 2024

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G217	Compliance	E007	10/31/2024	Temperature	16.3	degrees C
G217	Compliance	E007	10/31/2024	Thallium, total	0.001 U	mg/L
G217	Compliance	E007	10/31/2024	Total Dissolved Solids	1,390	mg/L
G217	Compliance	E007	10/31/2024	Turbidity, field	73.0	NTU
G218	Compliance	E007	10/31/2024	Antimony, total	0.0004 U	mg/L
G218	Compliance	E007	10/31/2024	Arsenic, total	0.00280	mg/L
G218	Compliance	E007	10/31/2024	Barium, total	0.0728	mg/L
G218	Compliance	E007	10/31/2024	Beryllium, total	0.0002 U	mg/L
G218	Compliance	E007	10/31/2024	Boron, total	0.0495	mg/L
G218	Compliance	E007	10/31/2024	Cadmium, total	0.0002 U	mg/L
G218	Compliance	E007	10/31/2024	Calcium, total	210	mg/L
G218	Compliance	E007	10/31/2024	Chloride, total	143	mg/L
G218	Compliance	E007	10/31/2024	Chromium, total	0.00190	mg/L
G218	Compliance	E007	10/31/2024	Cobalt, total	0.00130	mg/L
G218	Compliance	E007	10/31/2024	Dissolved Oxygen	1.16	mg/L
G218	Compliance	E007	10/31/2024	Fluoride, total	0.2 U	mg/L
G218	Compliance	E007	10/31/2024	Lead, total	0.0006 U	mg/L
G218	Compliance	E007	10/31/2024	Lithium, total	0.00540	mg/L
G218	Compliance	E007	10/31/2024	Mercury, total	0.00006 U	mg/L
G218	Compliance	E007	10/31/2024	Molybdenum, total	0.0006 U	mg/L
G218	Compliance	E007	10/31/2024	Oxidation Reduction Potential	-149	mV
G218	Compliance	E007	10/31/2024	pH (field)	6.7	SU
G218	Compliance	E007	10/31/2024	Radium 226 + Radium 228, total	1.34	pCi/L
G218	Compliance	E007	10/31/2024	Selenium, total	0.0006 U	mg/L
G218	Compliance	E007	10/31/2024	Specific Conductance @ 25C (field)	1,700	micromhos/cm
G218	Compliance	E007	10/31/2024	Sulfate, total	534	mg/L
G218	Compliance	E007	10/31/2024	Temperature	16.2	degrees C
G218	Compliance	E007	10/31/2024	Thallium, total	0.001 U	mg/L
G218	Compliance	E007	10/31/2024	Total Dissolved Solids	1,460	mg/L
G218	Compliance	E007	10/31/2024	Turbidity, field	20.0	NTU

Notes:

C = Celsius
cm = centimeter
Events:

E007 = Quarter 4, 2024 sampling event

mg/L = milligrams per liter

mV = millivolts

NTU = Nephelometric Turbidity Units

pCi/L = picocuries per liter

Result Code (if applicable):

- NR¹ = Parameter not analyzed.
- NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.
- NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.
- NS³ = The location was not accessible; therefore, a sample was not collected.
- NS⁴ = The location could not be found; therefore, a sample was not collected.
- NS⁵ = The location was damaged; therefore, a sample was not collected.
- NS⁶ = Sampling pump could not yield a sample.
- NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.
- NS⁸ = A sample was not collected.
- PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

Result qualifiers as defined in the United States Environmental Protection Agency’s *National Functional Guidelines for Inorganic Superfund Methods Data Review*, EPA 542-R-20-006. November 2020.:

- J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
 - J+ = The result is an estimated quantity, but the result may be biased high.
 - U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.
- SU = Standard Units

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Antimony, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G206	UA	E007	Arsenic, total	mg/L	11/18/15 - 10/31/24	25	65	CI around median	0.001	0.0110	Background	No Exceedance
G206	UA	E007	Barium, total	mg/L	11/18/15 - 10/31/24	25	3	CI around mean	0.0496	2.0	Standard	No Exceedance
G206	UA	E007	Beryllium, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G206	UA	E007	Boron, total	mg/L	11/18/15 - 10/31/24	32	80	CI around median	0.01	2	Standard	No Exceedance
G206	UA	E007	Cadmium, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G206	UA	E007	Chloride, total	mg/L	11/18/15 - 10/31/24	32	0	CB around linear reg	19.1	200	Standard	No Exceedance
G206	UA	E007	Chromium, total	mg/L	11/18/15 - 10/31/24	25	81	CB around T-S line	0.00315	0.1	Standard	No Exceedance
G206	UA	E007	Cobalt, total	mg/L	11/18/15 - 10/31/24	25	97	CB around T-S line	0.00166	0.006	Standard	No Exceedance
G206	UA	E007	Fluoride, total	mg/L	11/18/15 - 10/31/24	33	9	CI around mean	0.373	4.0	Standard	No Exceedance
G206	UA	E007	Lead, total	mg/L	11/18/15 - 10/31/24	25	94	CI around median	0.001	0.0075	Standard	No Exceedance
G206	UA	E007	Lithium, total	mg/L	11/18/15 - 10/31/24	18	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G206	UA	E007	Mercury, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G206	UA	E007	Molybdenum, total	mg/L	11/18/15 - 10/31/24	25	67	CI around median	0.001	0.1	Standard	No Exceedance
G206	UA	E007	pH (field)	SU	11/18/15 - 10/31/24	34	0	CI around median	7.1/7.2	6.5/9.0	Standard/Standard	No Exceedance
G206	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 10/31/24	18	0	CI around mean	0.405	5	Standard	No Exceedance
G206	UA	E007	Selenium, total	mg/L	11/18/15 - 10/31/24	25	84	CI around median	0.001	0.05	Standard	No Exceedance
G206	UA	E007	Sulfate, total	mg/L	11/18/15 - 10/31/24	32	0	CB around linear reg	134	400	Standard	No Exceedance
G206	UA	E007	Thallium, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G206	UA	E007	Total Dissolved Solids	mg/L	11/18/15 - 10/31/24	32	0	CB around T-S line	492	1,200	Standard	No Exceedance
G206D	DA	E007	Antimony, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G206D	DA	E007	Arsenic, total	mg/L	03/30/21 - 10/31/24	13	0	CI around mean	0.00601	0.0110	Background	No Exceedance
G206D	DA	E007	Barium, total	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	0.185	2.0	Standard	No Exceedance
G206D	DA	E007	Beryllium, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G206D	DA	E007	Boron, total	mg/L	03/30/21 - 10/31/24	13	0	CI around mean	0.115	2	Standard	No Exceedance
G206D	DA	E007	Cadmium, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G206D	DA	E007	Chloride, total	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	1.74	200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Chromium, total	mg/L	03/30/21 - 10/31/24	13	77	CB around T-S line	-0.00395	0.1	Standard	No Exceedance
G206D	DA	E007	Cobalt, total	mg/L	03/30/21 - 10/31/24	13	92	CB around T-S line	0.00011	0.006	Standard	No Exceedance
G206D	DA	E007	Fluoride, total	mg/L	03/30/21 - 10/31/24	13	0	CI around mean	0.732	4.0	Standard	No Exceedance
G206D	DA	E007	Lead, total	mg/L	03/30/21 - 10/31/24	13	85	CI around median	0.001	0.0075	Standard	No Exceedance
G206D	DA	E007	Lithium, total	mg/L	03/30/21 - 10/31/24	13	92	CB around T-S line	-0.00564	0.04	Standard	No Exceedance
G206D	DA	E007	Mercury, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G206D	DA	E007	Molybdenum, total	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	0.00129	0.1	Standard	No Exceedance
G206D	DA	E007	pH (field)	SU	03/30/21 - 10/31/24	13	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
G206D	DA	E007	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 10/31/24	14	0	CI around mean	0.301	5	Standard	No Exceedance
G206D	DA	E007	Selenium, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G206D	DA	E007	Sulfate, total	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	-94.9	400	Standard	No Exceedance
G206D	DA	E007	Thallium, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G206D	DA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	380	1,200	Standard	No Exceedance
G209	UA	E007	Antimony, total	mg/L	11/18/15 - 10/31/24	25	97	CB around T-S line	0.00232	0.006	Standard	No Exceedance
G209	UA	E007	Arsenic, total	mg/L	11/18/15 - 10/31/24	25	40	CI around median	0.0013	0.0110	Background	No Exceedance
G209	UA	E007	Barium, total	mg/L	11/18/15 - 10/31/24	25	0	CI around mean	0.0589	2.0	Standard	No Exceedance
G209	UA	E007	Beryllium, total	mg/L	11/18/15 - 10/31/24	25	97	Most recent sample	0.001	0.004	Standard	No Exceedance
G209	UA	E007	Boron, total	mg/L	11/18/15 - 10/31/24	32	60	CI around median	0.01	2	Standard	No Exceedance
G209	UA	E007	Cadmium, total	mg/L	11/18/15 - 10/31/24	25	98	Most recent sample	0.001	0.005	Standard	No Exceedance
G209	UA	E007	Chloride, total	mg/L	11/18/15 - 10/31/24	32	0	CB around T-S line	53.7	200	Standard	No Exceedance
G209	UA	E007	Chromium, total	mg/L	11/18/15 - 10/31/24	25	70	CB around T-S line	0.0031	0.1	Standard	No Exceedance
G209	UA	E007	Cobalt, total	mg/L	11/18/15 - 10/31/24	25	89	CB around T-S line	0.00166	0.006	Standard	No Exceedance
G209	UA	E007	Fluoride, total	mg/L	11/18/15 - 10/31/24	33	7	CI around mean	0.393	4.0	Standard	No Exceedance
G209	UA	E007	Lead, total	mg/L	11/18/15 - 10/31/24	25	88	CI around median	0.001	0.0075	Standard	No Exceedance
G209	UA	E007	Lithium, total	mg/L	11/18/15 - 10/31/24	18	67	CI around median	0.0057	0.04	Standard	No Exceedance
G209	UA	E007	Mercury, total	mg/L	11/18/15 - 10/31/24	25	97	Most recent sample	0.0002	0.002	Standard	No Exceedance
G209	UA	E007	Molybdenum, total	mg/L	11/18/15 - 10/31/24	25	7	CB around linear reg	0.00214	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	pH (field)	SU	11/18/15 - 10/31/24	36	0	CB around linear reg	6.8/7.1	6.5/9.0	Standard/Standard	No Exceedance
G209	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 10/31/24	18	0	CI around mean	0.522	5	Standard	No Exceedance
G209	UA	E007	Selenium, total	mg/L	11/18/15 - 10/31/24	25	65	CI around median	0.001	0.05	Standard	No Exceedance
G209	UA	E007	Sulfate, total	mg/L	11/18/15 - 10/31/24	32	0	CB around T-S line	219	400	Standard	No Exceedance
G209	UA	E007	Thallium, total	mg/L	11/18/15 - 10/31/24	25	95	CB around T-S line	0.001	0.002	Standard	No Exceedance
G209	UA	E007	Total Dissolved Solids	mg/L	11/18/15 - 10/31/24	32	0	CI around mean	797	1,200	Standard	No Exceedance
G212	UA	E007	Antimony, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G212	UA	E007	Arsenic, total	mg/L	11/18/15 - 10/31/24	25	85	CI around median	0.001	0.0110	Background	No Exceedance
G212	UA	E007	Barium, total	mg/L	11/18/15 - 10/31/24	25	0	CI around mean	0.0494	2.0	Standard	No Exceedance
G212	UA	E007	Beryllium, total	mg/L	11/18/15 - 10/31/24	25	97	CI around median	0.001	0.004	Standard	No Exceedance
G212	UA	E007	Boron, total	mg/L	11/18/15 - 10/31/24	32	84	CB around T-S line	0.01	2	Standard	No Exceedance
G212	UA	E007	Cadmium, total	mg/L	11/18/15 - 10/31/24	25	98	CI around median	0.001	0.005	Standard	No Exceedance
G212	UA	E007	Chloride, total	mg/L	11/18/15 - 10/31/24	32	0	CB around linear reg	44.5	200	Standard	No Exceedance
G212	UA	E007	Chromium, total	mg/L	11/18/15 - 10/31/24	25	84	CI around median	0.004	0.1	Standard	No Exceedance
G212	UA	E007	Cobalt, total	mg/L	11/18/15 - 10/31/24	25	97	CB around T-S line	0.00166	0.006	Standard	No Exceedance
G212	UA	E007	Fluoride, total	mg/L	11/18/15 - 10/31/24	32	16	CI around mean	0.305	4.0	Standard	No Exceedance
G212	UA	E007	Lead, total	mg/L	11/18/15 - 10/31/24	25	85	CI around median	0.001	0.0075	Standard	No Exceedance
G212	UA	E007	Lithium, total	mg/L	11/18/15 - 10/31/24	18	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G212	UA	E007	Mercury, total	mg/L	11/18/15 - 10/31/24	25	97	CI around median	0.0002	0.002	Standard	No Exceedance
G212	UA	E007	Molybdenum, total	mg/L	11/18/15 - 10/31/24	25	74	CI around median	0.001	0.1	Standard	No Exceedance
G212	UA	E007	pH (field)	SU	11/18/15 - 10/31/24	33	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G212	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 10/31/24	18	0	CI around mean	0.43	5	Standard	No Exceedance
G212	UA	E007	Selenium, total	mg/L	11/18/15 - 10/31/24	25	19	CB around T-S line	-0.0000646	0.05	Standard	No Exceedance
G212	UA	E007	Sulfate, total	mg/L	11/18/15 - 10/31/24	32	0	CI around mean	53.8	400	Standard	No Exceedance
G212	UA	E007	Thallium, total	mg/L	11/18/15 - 10/31/24	25	97	CB around T-S line	0.001	0.002	Standard	No Exceedance
G212	UA	E007	Total Dissolved Solids	mg/L	11/18/15 - 10/31/24	32	0	CB around T-S line	408	1,200	Standard	No Exceedance
G213	UA	E007	Antimony, total	mg/L	10/13/20 - 10/31/24	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Arsenic, total	mg/L	10/13/20 - 10/31/24	17	70	CI around median	0.001	0.0110	Background	No Exceedance
G213	UA	E007	Barium, total	mg/L	10/13/20 - 10/31/24	17	0	CI around mean	0.0473	2.0	Standard	No Exceedance
G213	UA	E007	Beryllium, total	mg/L	10/13/20 - 10/31/24	17	93	Most recent sample	0.001	0.004	Standard	No Exceedance
G213	UA	E007	Boron, total	mg/L	10/13/20 - 10/31/24	17	90	CB around T-S line	0.01	2	Standard	No Exceedance
G213	UA	E007	Cadmium, total	mg/L	10/13/20 - 10/31/24	17	98	Most recent sample	0.001	0.005	Standard	No Exceedance
G213	UA	E007	Chloride, total	mg/L	10/13/20 - 10/31/24	17	0	CB around linear reg	47.1	200	Standard	No Exceedance
G213	UA	E007	Chromium, total	mg/L	10/13/20 - 10/31/24	17	62	CI around median	0.0016	0.1	Standard	No Exceedance
G213	UA	E007	Cobalt, total	mg/L	10/13/20 - 10/31/24	17	86	CB around T-S line	0.000531	0.006	Standard	No Exceedance
G213	UA	E007	Fluoride, total	mg/L	10/13/20 - 10/31/24	17	14	CI around mean	0.262	4.0	Standard	No Exceedance
G213	UA	E007	Lead, total	mg/L	10/13/20 - 10/31/24	17	70	CI around median	0.001	0.0075	Standard	No Exceedance
G213	UA	E007	Lithium, total	mg/L	02/15/23 - 10/31/24	8	25	CI around median	0.0033	0.04	Standard	No Exceedance
G213	UA	E007	Mercury, total	mg/L	10/13/20 - 10/31/24	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G213	UA	E007	Molybdenum, total	mg/L	10/13/20 - 10/31/24	17	84	CB around T-S line	0.001	0.1	Standard	No Exceedance
G213	UA	E007	pH (field)	SU	10/13/20 - 10/31/24	17	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G213	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 10/31/24	8	0	CI around mean	-0.0601	5	Standard	No Exceedance
G213	UA	E007	Selenium, total	mg/L	10/13/20 - 10/31/24	17	31	CI around median	0.001	0.05	Standard	No Exceedance
G213	UA	E007	Sulfate, total	mg/L	10/13/20 - 10/31/24	17	0	CB around linear reg	63	400	Standard	No Exceedance
G213	UA	E007	Thallium, total	mg/L	10/13/20 - 10/31/24	17	97	CB around T-S line	0.001	0.002	Standard	No Exceedance
G213	UA	E007	Total Dissolved Solids	mg/L	10/13/20 - 10/31/24	17	0	CI around mean	384	1,200	Standard	No Exceedance
G215	UA	E007	Antimony, total	mg/L	11/24/15 - 10/31/24	25	97	CB around T-S line	0.0014	0.006	Standard	No Exceedance
G215	UA	E007	Arsenic, total	mg/L	11/24/15 - 10/31/24	25	19	CB around T-S line	-0.00862	0.0110	Background	No Exceedance
G215	UA	E007	Barium, total	mg/L	11/24/15 - 10/31/24	25	0	CB around T-S line	-0.00904	2.0	Standard	No Exceedance
G215	UA	E007	Beryllium, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G215	UA	E007	Boron, total	mg/L	11/24/15 - 10/31/24	33	23	CB around linear reg	0.686	2	Standard	No Exceedance
G215	UA	E007	Cadmium, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G215	UA	E007	Chloride, total	mg/L	11/24/15 - 10/31/24	33	0	CB around T-S line	101	200	Standard	No Exceedance
G215	UA	E007	Chromium, total	mg/L	11/24/15 - 10/31/24	25	92	CB around T-S line	0.00315	0.1	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Cobalt, total	mg/L	11/24/15 - 10/31/24	25	92	CB around T-S line	0.00117	0.006	Standard	No Exceedance
G215	UA	E007	Fluoride, total	mg/L	11/24/15 - 10/31/24	33	18	CI around mean	0.312	4.0	Standard	No Exceedance
G215	UA	E007	Lead, total	mg/L	11/24/15 - 10/31/24	25	85	CI around median	0.001	0.0075	Standard	No Exceedance
G215	UA	E007	Lithium, total	mg/L	11/24/15 - 10/31/24	18	67	CI around median	0.0091	0.04	Standard	No Exceedance
G215	UA	E007	Mercury, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G215	UA	E007	Molybdenum, total	mg/L	11/24/15 - 10/31/24	25	89	CB around T-S line	0.001	0.1	Standard	No Exceedance
G215	UA	E007	pH (field)	SU	11/24/15 - 10/31/24	35	0	CB around linear reg	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G215	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 10/31/24	18	0	CI around mean	0.423	5	Standard	No Exceedance
G215	UA	E007	Selenium, total	mg/L	11/24/15 - 10/31/24	25	92	CI around median	0.001	0.05	Standard	No Exceedance
G215	UA	E007	Sulfate, total	mg/L	11/24/15 - 10/31/24	33	0	CB around linear reg	537	400	Standard	Exceedance
G215	UA	E007	Thallium, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G215	UA	E007	Total Dissolved Solids	mg/L	11/24/15 - 10/31/24	33	0	CB around linear reg	1,280	1,200	Standard	Exceedance
G217	UA	E007	Antimony, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G217	UA	E007	Arsenic, total	mg/L	10/14/20 - 10/31/24	17	85	CI around median	0.001	0.0110	Background	No Exceedance
G217	UA	E007	Barium, total	mg/L	10/14/20 - 10/31/24	17	0	CI around mean	0.0871	2.0	Standard	No Exceedance
G217	UA	E007	Beryllium, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G217	UA	E007	Boron, total	mg/L	10/14/20 - 10/31/24	17	68	CB around T-S line	0.015	2	Standard	No Exceedance
G217	UA	E007	Cadmium, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G217	UA	E007	Chloride, total	mg/L	10/14/20 - 10/31/24	17	0	CB around linear reg	129	200	Standard	No Exceedance
G217	UA	E007	Chromium, total	mg/L	10/14/20 - 10/31/24	17	71	CB around T-S line	0.000389	0.1	Standard	No Exceedance
G217	UA	E007	Cobalt, total	mg/L	10/14/20 - 10/31/24	17	89	CB around T-S line	0.000529	0.006	Standard	No Exceedance
G217	UA	E007	Fluoride, total	mg/L	10/14/20 - 10/31/24	17	18	CI around median	0.3	4.0	Standard	No Exceedance
G217	UA	E007	Lead, total	mg/L	10/14/20 - 10/31/24	17	90	CI around median	0.001	0.0075	Standard	No Exceedance
G217	UA	E007	Lithium, total	mg/L	02/15/23 - 10/31/24	8	25	CI around median	0.0035	0.04	Standard	No Exceedance
G217	UA	E007	Mercury, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G217	UA	E007	Molybdenum, total	mg/L	10/14/20 - 10/31/24	17	90	CB around T-S line	0.001	0.1	Standard	No Exceedance
G217	UA	E007	pH (field)	SU	10/14/20 - 10/31/24	17	0	CI around mean	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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	E007	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 10/31/24	8	0	CI around mean	0.301	5	Standard	No Exceedance
G217	UA	E007	Selenium, total	mg/L	10/14/20 - 10/31/24	17	79	Most recent sample	0.001	0.05	Standard	No Exceedance
G217	UA	E007	Sulfate, total	mg/L	10/14/20 - 10/31/24	17	0	CB around linear reg	465	400	Standard	Exceedance
G217	UA	E007	Thallium, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G217	UA	E007	Total Dissolved Solids	mg/L	10/14/20 - 10/31/24	17	0	CB around linear reg	1,160	1,200	Standard	No Exceedance
G218	UA	E007	Antimony, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G218	UA	E007	Arsenic, total	mg/L	11/24/15 - 10/31/24	25	21	CI around geomean	0.00139	0.0110	Background	No Exceedance
G218	UA	E007	Barium, total	mg/L	11/24/15 - 10/31/24	25	0	CB around linear reg	0.072	2.0	Standard	No Exceedance
G218	UA	E007	Beryllium, total	mg/L	11/24/15 - 10/31/24	25	97	CI around median	0.001	0.004	Standard	No Exceedance
G218	UA	E007	Boron, total	mg/L	11/24/15 - 10/31/24	32	74	CB around T-S line	0.01	2	Standard	No Exceedance
G218	UA	E007	Cadmium, total	mg/L	11/24/15 - 10/31/24	25	98	CI around median	0.001	0.005	Standard	No Exceedance
G218	UA	E007	Chloride, total	mg/L	11/24/15 - 10/31/24	32	0	CB around linear reg	103	200	Standard	No Exceedance
G218	UA	E007	Chromium, total	mg/L	11/24/15 - 10/31/24	25	70	CB around T-S line	0.00207	0.1	Standard	No Exceedance
G218	UA	E007	Cobalt, total	mg/L	11/24/15 - 10/31/24	25	86	CB around T-S line	0.00158	0.006	Standard	No Exceedance
G218	UA	E007	Fluoride, total	mg/L	11/24/15 - 10/31/24	33	16	CI around mean	0.314	4.0	Standard	No Exceedance
G218	UA	E007	Lead, total	mg/L	11/24/15 - 10/31/24	25	92	CI around median	0.001	0.0075	Standard	No Exceedance
G218	UA	E007	Lithium, total	mg/L	11/24/15 - 10/31/24	18	67	CI around median	0.0048	0.04	Standard	No Exceedance
G218	UA	E007	Mercury, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G218	UA	E007	Molybdenum, total	mg/L	11/24/15 - 10/31/24	25	89	CI around median	0.001	0.1	Standard	No Exceedance
G218	UA	E007	pH (field)	SU	11/24/15 - 10/31/24	34	0	CB around linear reg	6.8/7.0	6.5/9.0	Standard/Standard	No Exceedance
G218	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 10/31/24	18	0	CI around mean	0.635	5	Standard	No Exceedance
G218	UA	E007	Selenium, total	mg/L	11/24/15 - 10/31/24	25	86	CI around median	0.001	0.05	Standard	No Exceedance
G218	UA	E007	Sulfate, total	mg/L	11/24/15 - 10/31/24	32	0	CB around linear reg	373	400	Standard	No Exceedance
G218	UA	E007	Thallium, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G218	UA	E007	Total Dissolved Solids	mg/L	11/24/15 - 10/31/24	33	0	CB around linear reg	986	1,200	Standard	No Exceedance

TABLE 2.
EVALUATION OF COMPLIANCE - QUARTER 4, 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.

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Illinois Power Generating Company’s (IPGC’s) operating permit application for the GMF Gypsum Stack Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPGC has not identified any actual exceedances.

Events:

E007 = Quarter 4, 2024 sampling event

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 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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.

NS³ = The location was not accessible; therefore, a sample was not collected.

NS⁴ = The location could not be found; therefore, a sample was not collected.

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

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

GWPS Source:

Background = background concentration

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

FIGURES



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

0 200 400 Feet

MONITORING WELL LOCATION MAP

GMF GYPSUM STACK POND
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 4, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 4, 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	10/28/2024	6.22	619.73
G206	Compliance	10/28/2024	15.01	617.88
G206D	Compliance	10/28/2024	26.82	606.97
G209	Compliance	10/28/2024	16.46	616.56
G212	Compliance	10/28/2024	16.21	616.84
G213	Compliance	10/28/2024	16.66	616.23
G215	Compliance	10/28/2024	17.81	615.36
G217	Compliance	10/28/2024	18.33	614.87
G218	Compliance	10/28/2024	16.77	616.34
R201	Background	10/29/2024	6.52	619.68
NE Riser	Water Level	10/28/2024	15.12	NA

Notes:
BMP = below measuring point
Depth to Groundwater/Groundwater Elevation Code (if applicable):
DM¹ = Depth to water was not measured.
DM² = Depth to water was not measured because water was above or below the staff gage markings.
DM³ = Depth to water was not measured because the location was inaccessible.
DM⁴ = Depth to water was not measured because water level was below the top of the pump.
DM⁵ = Depth to water was not measured because water level was above the top of casing (artesian well).
DM⁶ = Depth to water was not measured because of damage to the well.
DM⁷ = Depth to water was not measured due to required pressure transducer maintenance.
DM⁸ = Lab provided groundwater elevation data and not depth to water.
NA = not available/not applicable
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 4, 2024**

Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: AP2D
Sample ID: 001
Date (s): 11/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 57 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☒ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 12:30 Static Water Level: 20.48 feet below TOC
Total Depth: 35.43 feet below TOC
Water Column: 14.95 feet

Purging Activities

Purged By: BG Purge Date: 11/7/2024
Purge Method: Peristaltic Pump Well Diameter: 4"
Purge Volume Calculation (L): $14.954 \text{ ft.} \times 0.022 = 0.33 \text{ L} \times 3 \text{ Vol.} = 0.99 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: Slight Color: CLEAR

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:30	0.0	267	purge start time						
12:36	1.6	↓	6.85	1,786.70	15.40	1.48	5.40	4.73	
12:39	2.4		6.76	1,801.50	15.56	1.34	-9.70	5.78	
12:42	3.2		6.76	1,817.80	15.45	1.27	-25.20	6.89	
12:45	4.0		6.76	1,831.30	15.27	1.23	-35.70	6.65	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/7/2024 12:45
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.76 pH 1,831.30 Spec. Cond. 15.27 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 20.76 feet below TOC Drawdown: 0.28 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 11/7/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G1001
Project Location: Coffeen, Illinois Sample ID: 002
W.O. Number (s): 24101589 Date (s): 11/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☒ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr></table>	Yes	No	X	
Yes	No						
X							
Casing	<u>Good</u>	Protective Casing					
Protective Casing	<u>Good</u>	Well	<table><tr><td></td><td>X</td></tr></table>		X		
	X						
Reference Mark/Identification	<u>Yes</u>						

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 10:58 Static Water Level: 5.62 feet below TOC
Total Depth: 13.79 feet below TOC
Water Column: 8.17 feet

Purging Activities

Purged By: BG Purge Date: 11/7/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.17 ft. x 0.022 = 0.18 L x 3 Vol. = 0.54 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: Strong Color: CLEAR

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:58	0.0	125	purge start time						
11:03	0.6	↓	6.62	1,671.80	17.19	6.73	-77.90	17.46	
11:06	1.0		6.74	1,665.00	17.16	7.65	-78.30	17.12	
11:09	1.4		6.84	1,650.20	17.08	8.19	-77.20	19.03	
11:12	1.8		6.99	1,644.00	17.22	8.62	-82.90	23.70	
11:15	2.1		6.90	1,516.10	16.60	6.81	-75.20	32.28	
11:18	2.5		6.89	1,153.10	16.68	5.08	-62.50	23.99	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/7/2024 11:18
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.89 pH 1,153.10 Spec. Cond. 16.68 Temp
Field Filtered: No Filter Type: _____
Water Level: 5.73 feet below TOC Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/7/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G1003
Sample ID: 003
Date (s): 11/7/2024

Field Team Members

Name: No member found on Data Tab Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☒ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks
Protective Casing
Well

Yes	No
X	
	X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 11:44

Static Water Level: - feet below TOC
Total Depth: 11.15 feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter: 2"
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0	-	purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: N/A
- Dry; no sample collected

Form Completed By:

Date: 11/7/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G101
Project Location: Coffeen, Illinois Sample ID: 004
W.O. Number (s): 24101589 Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr></table>	Yes	No	X			X
Yes	No								
X									
	X								
Casing	<u>Good</u>	Protective Casing							
Protective Casing	<u>Good</u>	Well							
Reference Mark/Identification	<u>Yes</u>								

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 9:10 Static Water Level: 9.38 feet below TOC
Total Depth: 24.30 feet below TOC
Water Column: 14.92 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.92 ft. x 0.022 = 0.33 L x 3 Vol. = 0.99 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:11	0.0	160	purge start time						
9:18	1.1	↓	7.15	843.40	15.73	3.52	127.40	36.14	
9:21	1.6		7.16	840.30	15.66	2.73	123.00	38.68	
9:24	2.1		7.16	837.90	15.64	2.31	118.70	44.02	
9:27	2.6		7.16	836.30	15.63	2.06	114.50	46.70	
9:30	3.0		7.16	836.10	15.62	1.89	110.30	42.62	
9:33	3.5		7.16	834.80	15.62	1.77	106.30	51.51	
9:36	4.0		7.16	834.20	15.63	1.69	102.30	49.55	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 9:36
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.16 pH 834.20 Spec. Cond. 15.63 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.45 feet below TOC Drawdown: 0.07 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G102
Sample ID: 005
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 9:39 Static Water Level: 9.31 feet below TOC
Total Depth: 20.00 feet below TOC
Water Column: 10.69 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.69 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:41	0.0	194	purge start time						
9:53	2.3	↓	7.10	720.10	17.08	2.25	89.90	1.10	
9:56	2.9		7.09	716.70	17.08	2.13	88.40	0.77	
9:59	3.5		7.09	712.90	17.09	2.06	86.70	0.55	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 9:59
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.09 pH 712.90 Spec. Cond. 17.09 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.66 feet below TOC Drawdown: 0.35 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G103
Project Location: Coffeen, Illinois Sample ID: 006
W.O. Number (s): 24101589 Date (s): 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 76 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr></table>	Yes	No	X			X
Yes	No								
X									
	X								
Casing	<u>Good</u>	Protective Casing							
Protective Casing	<u>Good</u>	Well							
Reference Mark/Identification	<u>Yes</u>								

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 11:41 Static Water Level: 14.35 feet below TOC
Total Depth: 26.90 feet below TOC
Water Column: 12.55 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.55 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:42	0.0	208	purge start time						
11:48	1.3	↓	7.16	845.50	17.98	3.15	25.80	7.71	
11:51	1.9		7.15	843.40	18.00	2.49	27.90	11.89	
11:54	2.5		7.14	841.30	18.08	2.12	28.90	18.86	
11:57	3.1		7.13	840.10	18.10	1.86	30.10	25.27	
12:00	3.8		7.13	839.80	18.10	1.69	30.90	34.75	
12:03	4.4		7.12	839.20	18.14	1.54	30.50	36.97	
12:06	5.0		7.12	839.60	18.14	1.42	28.90	43.36	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 12:06
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.12 pH 839.60 Spec. Cond. 18.14 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.08 feet below TOC Drawdown: 1.73 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G105
Project Location: Coffeen, Illinois Sample ID: 007
W.O. Number (s): 24101589 Date (s): 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 77 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr></table>	Yes	No	X			X
Yes	No								
X									
	X								
Casing	<u>Good</u>	Protective Casing							
Protective Casing	<u>Good</u>	Well							
Reference Mark/Identification	<u>Yes</u>								

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 12:08 Static Water Level: 12.42 feet below TOC
Total Depth: 27.70 feet below TOC
Water Column: 15.28 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 15.28 ft. x 0.022 = 0.34 L x 3 Vol. = 1.02 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:09	0.0	231	purge start time						
12:14	1.2	↓	7.41	757.60	18.47	4.20	34.70	31.53	
12:17	1.8		7.34	739.40	18.48	3.51	36.30	190.65	
12:20	2.5		7.32	736.40	18.58	3.21	36.90	322.92	
12:23	3.2		7.32	737.30	18.58	2.96	36.10	418.99	
12:26	3.9		7.32	738.80	18.59	2.74	35.20	491.98	
12:29	4.6		7.33	740.80	18.52	2.58	34.20	416.11	
12:32	5.3		7.34	740.70	18.54	2.44	33.10	270.58	
12:35	6.0		7.36	739.10	18.46	2.35	32.00	247.43	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 12:35
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.36 pH 739.10 Spec. Cond. 18.46 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.82 feet below TOC Drawdown: 1.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 **Monitoring Point:** G106
Project Location: Coffeen, Illinois **Sample ID:** 008
W.O. Number (s): 24101589 **Date (s):** 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 79 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>		Locks	<u>Yes</u>	<u>No</u>
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 13:14 Static Water Level: 13.62 feet below TOC
Total Depth: 25.60 feet below TOC
Water Column: 11.98 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.98 ft. x 0.022 = 0.26 L x 3 Vol. = 0.78 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:14	0.0	167	purge start time						
13:20	1.0	↓	7.06	836.40	18.94	4.16	-29.60	12.68	
13:23	1.5		7.06	838.50	19.44	3.45	-30.00	14.94	
13:26	2.0		7.05	837.50	19.58	3.19	-26.30	17.47	
13:29	2.5		7.05	837.60	19.53	3.05	-22.80	20.39	
13:32	3.0		7.05	836.60	19.57	2.98	-20.30	21.82	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 13:32
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.05 pH 836.60 Spec. Cond. 19.57 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.24 feet below TOC Drawdown: 2.62 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: _____

Date: 10/30/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G107
Sample ID: 009
Date (s): 10/30/2024

Field Team Members

Name: Justin Colp
Name:

Affiliation: TekLab, Inc.
Affiliation:

Weather Conditions

Temp: 79 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 13:33

Static Water Level: 14.75 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 7.95 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $7.95 \text{ ft.} \times 0.022 = 0.17 \text{ L} \times 3 \text{ Vol.} = 0.51 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:34	0.0	250	purge start time						
13:37	0.8	↓	7.19	750.70	18.58	3.64	-4.20	15.28	
13:40	1.5		7.19	751.90	19.63	2.91	-1.60	15.77	
13:43	2.3		7.20	753.60	20.09	2.92	3.70	19.44	
13:46	3.0		7.19	752.50	20.04	2.88	7.50	18.55	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 13:46
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.19 pH 752.50 Spec. Cond. 20.04 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.20 feet below TOC Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:



Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G108
Project Location: Coffeen, Illinois Sample ID: 010
W.O. Number (s): 24101589 Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr></table>	Yes	No	X			X
Yes	No								
X									
	X								
Casing	<u>Good</u>	Protective Casing							
Protective Casing	<u>Good</u>	Well							
Reference Mark/Identification	<u>Yes</u>								

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 9:17 Static Water Level: 14.35 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 12.25 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.25 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 7.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:18	0.0	269	purge start time						
9:23	1.4	↓	6.93	738.10	17.27	3.63	-34.40	16.06	
9:26	2.2		6.86	735.40	17.31	2.88	-12.30	24.03	
9:29	3.0		6.87	734.10	17.49	2.47	-0.60	32.85	
9:32	3.8		6.87	733.00	17.50	2.17	10.10	45.25	
9:35	4.6		6.87	732.40	17.49	1.93	17.80	55.50	
9:38	5.4		6.87	731.50	17.47	1.77	24.30	70.15	
9:41	6.2		6.87	730.90	17.47	1.65	29.00	73.24	
9:44	7.0		6.87	730.40	17.47	1.56	31.30	85.83	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 9:44
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.87 pH 730.40 Spec. Cond. 17.47 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.30 feet below TOC Drawdown: 1.95 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/29/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G109
Sample ID: 011
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp
Name: Danny Crump

Affiliation: TekLab, Inc.
Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 9:48 Static Water Level: 14.53 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 11.77 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.77 \text{ ft.} \times 0.022 = 0.26 \text{ L} \times 3 \text{ Vol.} = 0.78 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:48	0.0	294	purge start time						
9:53	1.5	↓	6.84	920.70	17.32	2.69	-76.70	33.02	
9:56	2.4		6.85	920.90	17.46	1.90	-62.30	41.54	
9:59	3.2		6.85	920.90	17.46	1.58	-54.60	46.98	
10:02	4.1		6.84	920.20	17.50	1.41	-48.40	54.49	
10:05	5.0		6.84	919.40	17.43	1.30	-43.50	62.07	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 10:05
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.84 pH 919.40 Spec. Cond. 17.43 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.31 feet below TOC Drawdown: 0.78 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:




Date: 10/29/2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G110
Sample ID: 012
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 10:12 Static Water Level: 14.87 feet below TOC
Total Depth: 27.50 feet below TOC
Water Column: 12.63 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.63 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:12	0.0	190	purge start time						
10:18	1.1	↓	6.78	887.90	17.71	2.50	-28.60	54.23	
10:21	1.7		6.79	886.40	18.08	1.89	-24.90	26.10	
10:24	2.3		6.79	889.90	18.93	1.61	-21.90	24.79	
10:27	2.9		6.80	888.00	19.23	1.46	-19.70	34.90	
10:30	3.4		6.81	888.50	19.10	1.36	-22.80	28.52	
10:33	4.0		6.82	891.00	19.07	1.27	-23.60	24.36	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 10:33
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH 891.00 Spec. Cond. 19.07 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.38 feet below TOC Drawdown: 0.51 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 10/29/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G111
Sample ID: 013
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 71 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>		
Casing	<u>Good</u>		Protective Casing	<u>X</u>		
Protective Casing	<u>Good</u>			Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>					

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 10:34 Static Water Level: 15.73 feet below TOC
Total Depth: 24.30 feet below TOC
Water Column: 8.57 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.57 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:34	0.0	227	purge start time						
10:41	1.6	↓	7.07	862.20	18.22	2.58	-26.50	0.19	
10:44	2.3		7.06	845.50	18.31	1.91	-10.00	0.69	
10:47	3.0		7.05	843.40	18.36	1.58	0.50	1.15	
10:50	3.6		7.05	843.20	18.40	1.39	6.30	1.78	
10:53	4.3		7.04	843.70	18.40	1.28	11.00	2.90	
10:56	5.0		7.04	843.40	18.42	1.18	14.50	4.66	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 10:56
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.04 pH 843.40 Spec. Cond. 18.42 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.18 feet below TOC Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/29/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G119
Sample ID: 014
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 12:20 Static Water Level: 16.61 feet below TOC
Total Depth: 27.40 feet below TOC
Water Column: 10.79 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.79 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:21	0.0	231	purge start time						
12:26	1.2	↓	7.26	698.40	17.90	4.04	12.90	10.50	
12:29	1.9		7.24	702.00	18.03	3.34	16.30	11.69	
12:32	2.6		7.24	703.90	17.99	2.54	15.20	14.39	
12:35	3.2		7.23	704.00	17.96	2.10	14.30	17.65	
12:38	3.9		7.23	703.90	17.86	1.78	13.20	21.55	
12:41	4.6		7.23	702.80	17.89	1.59	13.40	26.76	
12:44	5.3		7.23	702.50	17.81	1.46	10.50	27.71	
12:47	6.0		7.23	701.40	17.87	1.36	7.00	32.40	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 12:47
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.23 pH 701.40 Spec. Cond. 17.87 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 17.82 feet below TOC Drawdown: 1.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp

Date: 10/29/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G120
Sample ID: 015
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 78 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 12:48 Static Water Level: 17.19 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 9.51 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $9.51 \text{ ft.} \times 0.022 = 0.21 \text{ L} \times 3 \text{ Vol.} = 0.63 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:49	0.0	211	purge start time						
12:56	1.5	↓	7.08	864.70	18.18	5.16	62.30	19.09	
12:59	2.1		7.09	859.60	18.27	5.34	61.40	20.45	
13:02	2.7		7.08	858.30	18.34	5.59	62.50	23.64	
13:05	3.4		7.06	866.20	18.30	5.66	63.70	23.37	
13:08	4.0		7.06	867.70	18.31	5.63	61.10	23.74	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 13:08
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.06 pH 867.70 Spec. Cond. 18.31 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 19.09 feet below TOC Drawdown: 1.90 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:




Date: 10/29/2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G121
Sample ID: 016
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>				
Reference Mark/Identification	<u>Yes</u>				<u>X</u>

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 13:08 Static Water Level: 19.81 feet below TOC
Total Depth: 29.10 feet below TOC
Water Column: 9.29 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.29 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	225	purge start time						
13:15	1.2	↓	7.02	942.20	17.63	4.28	68.80	3.32	
13:18	1.8		7.01	942.70	17.69	3.44	67.10	2.84	
13:21	2.5		7.02	941.70	17.71	3.32	66.80	4.31	
13:24	3.2		6.99	950.10	17.79	3.93	68.50	5.49	
13:27	3.9		6.98	956.70	17.80	4.35	67.60	4.36	
13:30	4.5		6.98	955.30	17.80	4.36	65.50	3.18	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 13:30
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.98 pH 955.30 Spec. Cond. 17.80 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 21.04 feet below TOC Drawdown: 1.23 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/29/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Field Data Sheet
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G122
Sample ID: 017
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp
Affiliation: TekLab, Inc.
Name: Danny Crump
Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F
Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy
Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 13:31
Static Water Level: 20.01 feet below TOC
Total Depth: 26.50 feet below TOC
Water Column: 6.49 feet

Purging Activities

Purged By: JC
Purge Method: Bladder Pump
Purge Volume Calculation (L): $6.49 \text{ ft.} \times 0.022 = 0.14 \text{ L} \times 3 \text{ Vol.} = 0.42 \text{ L}$
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Cloudy
Purge Date: 10/29/2024
Well Diameter: 2"
*Based on Low-Flow (3/8" discharge)
Odor: None
Color: It brown

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:33	0.0	225	purge start time						
13:37	0.9	↓	6.96	1,127.10	17.25	4.34	77.40	120.96	
13:40	1.6		6.91	1,109.40	17.12	4.33	77.80	53.82	
13:43	2.2		6.89	1,105.50	17.89	4.15	75.40	44.46	
13:46	2.9		6.88	1,106.20	17.91	3.66	71.00	45.79	
13:49	3.6		6.87	1,106.70	17.72	3.15	69.30	40.97	
13:52	4.3		6.87	1,104.20	17.68	2.58	69.60	42.52	
13:55	4.9		6.88	1,101.70	17.76	2.13	69.10	50.37	
13:58	5.6		6.90	1,100.10	17.79	1.85	68.10	109.46	
14:01	6.3		6.92	1,107.70	17.71	1.59	66.70	105.99	
14:04	7.0		6.94	1,112.60	17.61	1.41	64.70	102.17	
14:07	7.6		6.95	1,115.20	17.64	1.29	62.80	102.55	
14:10	8.3		6.95	1,116.90	17.62	1.20	61.20	95.07	
14:13	9.0		6.96	1,113.80	17.60	1.14	60.00	91.69	

Sampling Activities

Sampled By: JC
Sample Method: Low Flow
Sample Parameters: 6.96 pH, 1,113.80 Spec. Cond., 17.60 Temp
Field Filtered: Yes
Filter Type: Inline Disposable
Water Level: T.O.P. feet below TOC
Sample Date/Time: 10/29/2024 14:13
Sample Equipment: Bladder Pump
Drawdown: N/A feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 
Date: 10/29/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G123
Project Location: Coffeen, Illinois Sample ID: 018
W.O. Number (s): 24101589 Date (s): 11/4/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>			Well	
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 13:10 Static Water Level: 17.94 feet below TOC
Total Depth: 30.90 feet below TOC
Water Column: 12.96 feet

Purging Activities

Purged By: TAC Purge Date: 11/4/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.96 ft. x 0.022 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:10	0.0	207	purge start time						
13:24	2.9	↓	7.06	844.30	16.80	3.80	89.90	22.25	
13:27	3.5		7.04	854.40	16.72	3.12	87.20	14.26	
13:30	4.1		7.02	859.20	16.67	2.62	84.60	7.31	
13:33	4.8		7.01	860.30	16.67	2.29	82.00	7.55	
13:36	5.4		7.01	861.10	16.67	2.08	79.20	1.55	
13:39	6.0		7.01	861.30	16.68	1.93	76.30	1.96	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/4/2024 13:39
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.01 pH 861.30 Spec. Cond. 16.68 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 18.33 feet below TOC Drawdown: 0.39 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll

Date: 11/4/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G124
Sample ID: 019
Date (s): 10/30/2024

Field Team Members

Name: Justin Colp
Affiliation: TekLab, Inc.
Name:
Affiliation:

Weather Conditions

Temp: 73 °F
Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy
Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 10:52
Static Water Level: 19.90 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 6.80 feet

Purging Activities

Purged By: JC
Purge Method: Bladder Pump
Purge Volume Calculation (L): $6.8 \text{ ft.} \times 0.022 = 0.15 \text{ L} \times 3 \text{ Vol.} = 0.45 \text{ L}$
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear
Purge Date: 10/30/2024
Well Diameter: 2"
*Based on Low-Flow (3/8" discharge)
Odor: None
Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:53	0.0	150	purge start time						
11:00	1.1	↓	7.11	869.70	17.83	3.78	38.10	28.85	
11:03	1.5		7.08	881.80	17.82	3.68	42.80	18.47	
11:06	2.0		7.08	889.20	17.85	3.54	45.50	11.51	
11:09	2.4		7.08	892.90	17.80	3.31	46.50	8.75	
11:12	2.9		7.09	891.70	17.81	3.04	46.40	8.41	
11:15	3.3		7.09	891.80	17.81	2.78	45.70	8.56	
11:18	3.8		7.09	894.90	17.75	2.56	44.90	7.76	
11:21	4.2		7.10	893.60	17.74	2.35	43.80	9.95	
11:24	4.7		7.11	889.00	17.75	2.15	42.40	10.67	
11:27	5.1		7.11	885.10	17.78	1.97	40.80	16.00	
11:30	5.6		7.12	883.40	17.74	1.82	39.30	13.03	
11:33	6.0		7.12	880.50	17.78	1.70	37.50	10.33	

Sampling Activities

Sampled By: JC
Sample Method: Low Flow
Sample Parameters: 7.12 pH 880.50 Spec. Cond. 17.78 Temp
Field Filtered: Yes
Filter Type: Inline Disposable
Water Level: 21.55 feet below TOC
Sample Date/Time: 10/30/2024 11:33
Sample Equipment: Bladder Pump
Drawdown: 1.65 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 
Date: 10/30/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G125
Sample ID: 020
Date (s): 11/6/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 9:51 Static Water Level: 18.51 feet below TOC
Total Depth: 26.70 feet below TOC
Water Column: 8.19 feet

Purging Activities

Purged By: TAC Purge Date: 11/6/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $8.19 \text{ ft.} \times 0.022 = 0.18 \text{ L} \times 3 \text{ Vol.} = 0.54 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:00	0.0	182	purge start time						
10:10	1.8	↓	7.22	813.60	16.47	3.56	96.30	12.02	
10:13	2.4		7.18	811.30	16.45	3.42	98.90	9.58	
10:16	2.9		7.16	810.80	16.38	3.29	98.70	8.28	
10:19	3.5		7.16	809.90	16.49	3.20	96.70	7.41	
10:22	4.0		7.16	808.50	16.37	3.06	94.50	6.35	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/6/2024 10:22
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.16 pH 808.50 Spec. Cond. 16.37 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 20.26 feet below TOC Drawdown: 1.75 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By:

Tracy Carroll

Date: 11/6/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G126
Sample ID: 021
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 73 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	X	
Protective Casing	<u>Good</u>		Well		X
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 10:57 Static Water Level: 11.94 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 8.46 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.46 ft. x 0.022 = 0.19 L x 3 Vol. = 0.57 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:58	0.0	250	purge start time						
11:03	1.3	↓	7.08	865.40	17.88	2.31	-117.20	8.73	
11:06	2.0		7.06	847.10	18.03	1.81	-94.70	15.57	
11:09	2.8		7.06	837.90	18.07	1.80	-76.30	17.83	
11:12	3.5		7.06	839.20	18.12	1.76	-67.40	19.30	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 11:12
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.06 pH 839.20 Spec. Cond. 18.12 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.52 feet below TOC Drawdown: 0.58 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Date: 10/29/2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G151
Sample ID: 022
Date (s): 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 66 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 8:41 Static Water Level: 12.72 feet below TOC
Total Depth: 23.60 feet below TOC
Water Column: 10.88 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.88 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 9.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:41	0.0	257	purge start time						
8:50	2.2	↓	7.02	910.50	17.63	4.35	-146.40	11.63	
8:53	3.0		7.05	879.90	17.62	3.66	-123.50	16.97	
8:56	3.8		7.06	872.00	17.57	3.36	-105.90	31.67	
8:59	4.5		7.04	868.80	17.63	3.31	-91.70	50.97	
9:02	5.3		7.05	868.30	17.65	3.18	-84.80	78.09	
9:04	5.9		7.05	868.30	17.64	2.90	-81.30	103.53	
9:07	6.7		7.06	864.30	17.93	2.67	-76.50	108.44	
9:10	7.5		7.07	865.40	17.92	2.49	-72.80	126.88	
9:13	8.2		7.07	865.60	17.91	2.36	-68.50	126.06	
9:16	9.0		7.07	866.10	17.89	2.27	-65.90	123.63	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 9:16
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.07 pH 866.10 Spec. Cond. 17.89 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.80 feet below TOC Drawdown: 1.08 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G152
Sample ID: 023
Date (s): 11/6/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 11:01 Static Water Level: 11.31 feet below TOC
Total Depth: 22.00 feet below TOC
Water Column: 10.69 feet

Purging Activities

Purged By: TAC Purge Date: 11/6/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.69 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.50 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:01	0.0	224	purge start time						
11:18	3.8	↓	7.11	758.70	16.38	2.30	71.80	31.05	
11:21	4.5		7.12	752.20	16.37	2.25	67.30	26.79	
11:24	5.2		7.12	744.70	16.40	2.24	63.20	24.07	
11:27	5.8		7.13	736.00	16.39	2.30	60.20	23.97	
11:30	6.5		7.15	730.20	16.38	2.50	57.70	22.90	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/6/2024 11:30
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.15 pH 730.20 Spec. Cond. 16.38 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.34 feet below TOC Drawdown: 4.03 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By:

Tracy Carroll

Date: 11/6/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G153
Sample ID: 024
Date (s): 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 71 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 10:23 Static Water Level: 15.38 feet below TOC
Total Depth: 23.90 feet below TOC
Water Column: 8.52 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $8.52 \text{ ft.} \times 0.022 = 0.19 \text{ L} \times 3 \text{ Vol.} = 0.57 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:24	0.0	167	purge start time						
10:33	1.5	↓	6.70	3,843.50	17.69	2.28	-65.00	92.89	
10:36	2.0		6.71	3,771.20	17.71	1.85	-50.20	51.87	
10:39	2.5		6.73	3,745.90	17.69	1.68	-39.20	33.50	
10:42	3.0		6.74	3,735.20	17.70	1.61	-30.50	28.87	
10:45	3.5		6.74	3,728.60	17.73	1.60	-24.50	24.60	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 10:45
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.74 pH 3,728.60 Spec. Cond. 17.73 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.55 feet below TOC Drawdown: 1.17 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:




Date: 10/30/2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G154
Sample ID: 025
Date (s): 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 70 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>				
Reference Mark/Identification	<u>Yes</u>				<u>X</u>

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:55 Static Water Level: 16.75 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 6.05 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 6.05 ft. x 0.022 = 0.13 L x 3 Vol. = 0.39 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:57	0.0	167	purge start time						
10:09	2.0	↓	7.27	632.30	17.91	2.39	12.80	218.07	
10:12	2.5		7.28	632.40	17.90	2.25	12.30	106.83	
10:15	3.0		7.30	632.40	17.90	2.17	12.00	57.93	
10:18	3.5		7.31	631.70	17.97	2.12	11.70	45.48	
10:21	4.0		7.32	632.00	18.01	2.10	11.80	34.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 10:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.32 pH 632.00 Spec. Cond. 18.01 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.89 feet below TOC Drawdown: 0.14 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: _____

Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G155
Project Location: Coffeen, Illinois Sample ID: 026
W.O. Number (s): 24101589 Date (s): 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr></table>	Yes	No	X			X
Yes	No								
X									
	X								
Casing	<u>Good</u>	Protective Casing							
Protective Casing	<u>Good</u>	Well							
Reference Mark/Identification	<u>Yes</u>								

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:20 Static Water Level: 14.78 feet below TOC
Total Depth: 26.20 feet below TOC
Water Column: 11.42 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.42 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:21	0.0	200	purge start time						
9:33	2.4	↓	7.06	998.10	18.42	2.15	-52.60	607.70	
9:36	3.0		7.08	972.70	18.42	2.34	-38.00	349.23	
9:39	3.6		7.10	960.30	18.44	2.45	-27.70	245.32	
9:42	4.2		7.11	949.60	18.44	2.54	-20.80	209.21	
9:45	4.8		7.12	942.50	18.45	2.64	-15.70	172.94	
9:48	5.4		7.13	938.30	18.47	2.63	-12.40	139.35	
9:51	6.0		7.13	935.80	18.48	2.52	-10.70	128.50	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 9:51
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.13 pH 935.80 Spec. Cond. 18.48 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 17.04 feet below TOC Drawdown: 2.26 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 10/30/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G200
Sample ID: 027
Date (s): 10/29/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 12:05 Static Water Level: 6.22 feet below TOC
Total Depth: 20.70 feet below TOC
Water Column: 14.48 feet

Purging Activities

Purged By: BG Purge Date: 10/29/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $14.48 \text{ ft.} \times 0.022 = 0.32 \text{ L} \times 3 \text{ Vol.} = 0.96 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:05	0.0	89	purge start time						
12:24	1.7	↓	6.98	804.80	21.22	3.44	-7.60	4.65	
12:27	2.0		6.90	813.30	21.29	2.51	-10.40	4.36	
12:30	2.3		6.88	815.40	21.26	2.06	-12.30	4.40	
12:33	2.5		6.87	815.70	21.42	1.87	-14.20	5.03	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/29/2024 12:33
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.87 pH 815.70 Spec. Cond. 21.42 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.33 feet below TOC Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/29/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G206
Sample ID: 028
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>		
Casing	<u>Good</u>		Protective Casing	<u>X</u>		
Protective Casing	<u>Good</u>			Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>					

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 13:53 Static Water Level: 16.00 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 10.30 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.3 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:54	0.0	194	purge start time						
13:57	0.6	↓	7.10	836.10	16.73	2.65	-178.80	1.81	
14:00	1.2		7.10	834.60	17.02	1.60	-191.50	2.68	
14:03	1.8		7.10	834.80	17.05	1.25	-199.80	4.46	
14:06	2.3		7.10	834.10	17.06	1.09	-205.00	7.28	
14:09	2.9		7.10	833.10	17.05	1.00	-208.10	13.44	
14:12	3.5		7.09	832.90	17.04	0.94	-209.30	14.75	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 14:12
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.09 pH 832.90 Spec. Cond. 17.04 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 17.20 feet below TOC Drawdown: 1.20 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G206D
Sample ID: 029
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 13:27 Static Water Level: 26.92 feet below TOC
Total Depth: 62.12 feet below TOC
Water Column: 35.20 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $35.2 \text{ ft.} \times 0.022 = 0.77 \text{ L} \times 3 \text{ Vol.} = 2.31 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:29	0.0	261	purge start time						
13:34	1.3	↓	7.19	918.10	15.66	3.14	-141.20	2.07	
13:37	2.1		7.23	915.80	15.50	2.11	-156.50	2.48	
13:40	2.9		7.26	913.70	15.49	1.66	-165.00	4.05	
13:43	3.7		7.27	913.10	15.45	1.40	-169.10	10.51	
13:46	4.4		7.28	911.70	15.45	1.24	-171.40	19.10	
13:49	5.2		7.28	910.50	15.43	1.14	-172.80	34.41	
13:52	6.0		7.28	909.90	15.45	1.06	-173.60	49.27	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 13:52
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.28 pH 909.90 Spec. Cond. 15.45 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 30.67 feet below TOC Drawdown: 3.75 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G207
Sample ID: 030
Date (s): 11/4/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 63 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>				
Reference Mark/Identification	<u>Yes</u>				<u>X</u>

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 12:02 Static Water Level: 15.89 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 10.71 feet

Purging Activities

Purged By: TAC Purge Date: 11/4/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.71 ft. x 0.022 = 0.24 L x 3 Vol. = 0.72 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:02	0.0	261	purge start time						
12:10	2.1	↓	7.19	564.50	17.03	2.76	108.00	14.53	
12:13	2.9		7.11	564.90	17.02	2.45	108.10	7.43	
12:16	3.7		7.04	566.00	17.01	2.28	107.10	2.42	
12:19	4.4		7.01	566.90	16.98	2.13	101.20	1.09	
12:22	5.2		6.98	566.60	16.94	1.99	87.60	1.94	
12:25	6.0		6.96	567.50	16.91	1.87	72.00	0.06	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/4/2024 12:25
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.96 pH 567.50 Spec. Cond. 16.91 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 19.58 feet below TOC Drawdown: 3.69 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll

Date: 11/4/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G208
Sample ID: 031
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 13:05 Static Water Level: 17.62 feet below TOC
Total Depth: 26.60 feet below TOC
Water Column: 8.98 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $8.98 \text{ ft.} \times 0.022 = 0.2 \text{ L} \times 3 \text{ Vol.} = 0.6 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:06	0.0	250	purge start time						
13:11	1.3	↓	7.24	538.50	17.07	3.60	-4.50	3.96	
13:14	2.0		7.21	537.10	17.02	2.67	3.20	7.90	
13:17	2.8		7.20	534.50	17.00	2.77	11.10	14.23	
13:20	3.5		7.21	533.80	17.00	2.75	16.30	19.23	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 13:20
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.21 pH 533.80 Spec. Cond. 17.00 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 18.81 feet below TOC Drawdown: 1.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G209
Project Location: Coffeen, Illinois Sample ID: 032
W.O. Number (s): 24101589 Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

	Well Pad	Good		Locks	Yes	No
	Casing	<u>Good</u>		Protective Casing	<u>X</u>	
	Protective Casing	<u>Good</u>		Well		<u>X</u>
	Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 12:44 Static Water Level: 15.20 feet below TOC
Total Depth: 25.50 feet below TOC
Water Column: 10.30 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.3 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:44	0.0	175	purge start time						
12:49	0.9	↓	6.86	1,192.20	17.04	2.82	-83.50	4.76	
12:52	1.4		6.87	1,192.40	16.97	1.78	-85.20	7.40	
12:55	2.0		6.86	1,191.20	16.89	1.40	-84.90	6.86	
12:58	2.5		6.85	1,191.10	16.82	1.22	-85.30	6.09	
13:01	3.0		6.85	1,191.00	16.83	1.11	-86.30	5.49	
13:04	3.5		6.85	1,191.20	16.83	1.04	-86.10	5.81	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 13:04
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.85 pH 1,191.20 Spec. Cond. 16.83 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.44 feet below TOC Drawdown: 1.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G210
Project Location: Coffeen, Illinois Sample ID: 033
W.O. Number (s): 24101589 Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

	Well Pad	Good		Locks	Yes	No
	Casing	<u>Good</u>		Protective Casing	<u>X</u>	
	Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification		<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 12:15 Static Water Level: 15.22 feet below TOC
Total Depth: 25.00 feet below TOC
Water Column: 9.78 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.78 ft. x 0.022 = 0.22 L x 3 Vol. = 0.66 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:16	0.0	160	purge start time						
12:23	1.1	↓	7.16	826.40	16.91	3.04	-45.70	24.94	
12:26	1.6		7.15	829.40	16.86	2.08	-49.40	18.36	
12:29	2.1		7.15	829.30	16.82	1.65	-51.00	15.86	
12:32	2.6		7.15	829.00	16.85	1.43	-56.60	11.90	
12:35	3.0		7.14	828.90	16.85	1.29	-62.60	9.09	
12:38	3.5		7.14	828.70	16.85	1.19	-67.70	8.23	
12:41	4.0		7.14	829.10	16.85	1.12	-71.30	7.03	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 12:41
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.14 pH 829.10 Spec. Cond. 16.85 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.48 feet below TOC Drawdown: 0.26 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G211
Sample ID: 034
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 66 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 11:47 Static Water Level: 15.40 feet below TOC
Total Depth: 26.30 feet below TOC
Water Column: 10.90 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.9 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:48	0.0	222	purge start time						
11:54	1.3	↓	7.13	779.30	16.83	2.40	-35.20	67.36	
11:57	2.0		7.13	776.40	16.86	1.75	-24.80	35.60	
12:00	2.7		7.13	774.90	16.91	1.49	-17.20	28.73	
12:03	3.3		7.13	774.60	16.91	1.37	-11.00	25.45	
12:06	4.0		7.13	774.20	16.89	1.31	-6.00	23.86	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 12:06
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.13 pH 774.20 Spec. Cond. 16.89 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.45 feet below TOC Drawdown: 1.05 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Date: 10/31/2024



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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G212
Sample ID: 035
Date (s): 10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☒ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:41 Static Water Level: 17.14 feet below TOC
Total Depth: 82.00 feet below TOC
Water Column: 64.86 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 64.86 ft. x 0.022 = 1.43 L x 3 Vol. = 4.29 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:41	0.0	208	purge start time						
10:50	1.9	↓	6.70	642.60	16.86	0.80	14.40	85.65	
10:53	2.5		6.70	643.40	16.82	0.71	14.00	89.39	
10:56	3.1		6.71	644.40	16.78	0.65	13.60	92.80	
10:59	3.7		6.72	645.90	16.75	0.63	13.30	97.98	
11:02	4.4		6.72	646.80	16.75	0.61	13.10	103.96	
11:05	5.0		6.73	647.30	16.72	0.59	12.90	103.95	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 11:05
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.73 pH 647.30 Spec. Cond. 16.72 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.43 feet below TOC Drawdown: -0.71 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G213
Project Location: Coffeen, Illinois Sample ID: 036
W.O. Number (s): 24101589 Date (s): 10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☒ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 11:15 Static Water Level: 16.61 feet below TOC
Total Depth: 82.00 feet below TOC
Water Column: 65.39 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 65.39 ft. x 0.022 = 1.44 L x 3 Vol. = 4.32 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:15	0.0	227	purge start time						
11:22	1.6	↓	6.67	620.80	16.63	0.79	18.20	91.30	
11:25	2.3		6.66	621.90	16.65	0.66	18.90	93.63	
11:28	3.0		6.66	623.10	16.62	0.61	20.00	100.46	
11:31	3.6		6.66	624.20	16.59	0.58	21.10	126.38	
11:34	4.3		6.67	625.80	16.58	0.56	22.60	137.98	
11:37	5.0		6.67	626.90	16.56	0.54	23.90	164.43	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 11:37
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.67 pH 626.90 Spec. Cond. 16.56 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.98 feet below TOC Drawdown: 0.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G214
Sample ID: 037
Date (s): 10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☒ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 11:48 Static Water Level: 18.68 feet below TOC
Total Depth: 26.50 feet below TOC
Water Column: 7.82 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $7.82 \text{ ft.} \times 0.022 = 0.17 \text{ L} \times 3 \text{ Vol.} = 0.51 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:48	0.0	393	purge start time						
11:50	0.8	↓	6.83	981.50	16.64	5.28	55.80	5.77	
11:53	2.0		6.69	992.30	16.86	1.74	49.10	8.05	
11:56	3.1		6.67	960.20	16.88	1.03	45.40	10.24	
11:59	4.3		6.67	951.20	16.92	0.97	43.60	11.29	
12:02	5.5		6.67	947.80	16.99	0.99	42.80	11.97	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 12:02
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.67 pH 947.80 Spec. Cond. 16.99 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 19.63 feet below TOC Drawdown: 0.95 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G215
Sample ID: 038
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr></table>	Yes	No	X	
Yes	No						
X							
Casing	<u>Good</u>	Protective Casing					
Protective Casing	<u>Good</u>	Well	<table><tr><td></td><td>X</td></tr></table>		X		
	X						
Reference Mark/Identification	<u>Yes</u>						

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 11:18 Static Water Level: 18.00 feet below TOC
Total Depth: 26.90 feet below TOC
Water Column: 8.90 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 8.9 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:19	0.0	205	purge start time						
11:26	1.4	↓	6.79	1,730.40	16.62	2.19	-30.20	55.81	
11:29	2.0		6.79	1,729.00	16.60	1.78	-31.60	55.75	
11:32	2.7		6.79	1,728.70	16.51	1.56	-32.90	59.96	
11:35	3.3		6.79	1,727.40	16.49	1.43	-33.90	71.14	
11:38	3.9		6.79	1,727.10	16.49	1.34	-34.80	49.56	
11:41	4.5		6.79	1,727.60	16.48	1.28	-35.50	64.51	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 11:41
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.79 pH 1,727.60 Spec. Cond. 16.48 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 18.45 feet below TOC Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G216
Sample ID: 039
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:54 Static Water Level: 17.43 feet below TOC
Total Depth: 28.50 feet below TOC
Water Column: 11.07 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.07 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	190	purge start time						
11:04	1.7	↓	6.82	2,157.30	16.35	2.38	-80.10	17.52	
11:07	2.3		6.81	2,158.80	16.35	2.16	-76.90	17.06	
11:10	2.9		6.81	2,158.60	16.34	2.06	-78.00	45.31	
11:13	3.4		6.81	2,156.80	16.35	1.94	-77.70	20.76	
11:16	4.0		6.82	2,158.90	16.38	1.93	-77.10	27.60	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 11:16
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH 2,158.90 Spec. Cond. 16.38 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 18.25 feet below TOC Drawdown: 0.82 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:




Date: 10/31/2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G217
Project Location: Coffeen, Illinois Sample ID: 040
W.O. Number (s): 24101589 Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

	Locks	Yes	No
Well Pad <u>Good</u>			
Casing <u>Good</u>	Protective Casing	X	
Protective Casing <u>Good</u>	Well		X
Reference Mark/Identification <u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:27 Static Water Level: 18.86 feet below TOC
Total Depth: 28.40 feet below TOC
Water Column: 9.54 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.54 ft. x 0.022 = 0.21 L x 3 Vol. = 0.63 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:28	0.0	200	purge start time						
10:35	1.4	↓	6.73	1,702.90	16.33	2.58	-88.70	5.01	
10:38	2.0		6.73	1,694.60	16.33	1.96	-87.40	19.91	
10:41	2.6		6.73	1,690.30	16.31	1.63	-86.40	29.89	
10:44	3.2		6.73	1,687.40	16.28	1.42	-86.00	38.38	
10:47	3.8		6.73	1,685.90	16.30	1.28	-87.80	62.74	
10:50	4.4		6.73	1,689.90	16.28	1.18	-89.00	58.01	
10:53	5.0		6.73	1,689.50	16.28	1.12	-89.90	72.85	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 10:53
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.73 pH 1,689.50 Spec. Cond. 16.28 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 19.10 feet below TOC Drawdown: 0.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G218
Sample ID: 041
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:02 Static Water Level: 17.05 feet below TOC
Total Depth: 28.50 feet below TOC
Water Column: 11.45 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.45 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:03	0.0	182	purge start time						
10:10	1.3	↓	6.69	1,672.90	16.37	2.54	-136.40	20.50	
10:13	1.8		6.70	1,677.80	16.32	1.84	-142.70	15.51	
10:16	2.4		6.70	1,688.90	16.27	1.54	-145.10	15.11	
10:19	2.9		6.71	1,696.50	16.25	1.36	-145.00	14.75	
10:22	3.5		6.71	1,700.70	16.24	1.24	-148.40	16.50	
10:25	4.0		6.72	1,702.20	16.23	1.16	-149.40	20.31	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 10:25
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.72 pH 1,702.20 Spec. Cond. 16.23 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 17.48 feet below TOC Drawdown: 0.43 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G219
Sample ID: 042
Date (s): 10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☒ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 9:55 Static Water Level: 9.04 feet below TOC
Total Depth: 18.51 feet below TOC
Water Column: 9.47 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $9.47 \text{ ft.} \times 0.022 = 0.21 \text{ L} \times 3 \text{ Vol.} = 0.63 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:55	0.0	167	purge start time						
10:07	2.0	↓	6.63	757.20	16.14	4.92	-80.00	15.39	
10:10	2.5		6.65	755.30	16.17	4.94	-65.80	12.80	
10:13	3.0		6.66	755.60	16.19	4.96	-54.70	10.79	
10:16	3.5		6.68	756.00	16.19	4.96	-46.40	8.11	
10:19	4.0		6.69	757.20	16.21	4.95	-40.40	7.05	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 10:19
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.69 pH 757.20 Spec. Cond. 16.21 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.23 feet below TOC Drawdown: 0.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G220
Sample ID: 043
Date (s): 10/29/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 78 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 12:47 Static Water Level: 13.64 feet below TOC
Total Depth: 27.52 feet below TOC
Water Column: 13.88 feet

Purging Activities

Purged By: BG Purge Date: 10/29/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.88 \text{ ft.} \times 0.022 = 0.31 \text{ L} \times 3 \text{ Vol.} = 0.93 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:47	0.0	143	purge start time						
12:59	1.7	↓	6.73	1,165.20	18.61	1.64	13.10	22.71	
13:02	2.1		6.71	1,169.50	18.60	1.54	16.00	27.11	
13:05	2.6		6.70	1,169.50	18.54	1.44	22.80	32.15	
13:08	3.0		6.69	1,169.80	18.62	1.36	30.80	38.23	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 13:08
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.69 pH 1,169.80 Spec. Cond. 18.62 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.73 feet below TOC Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G270
Project Location: Coffeen, Illinois Sample ID: 044
W.O. Number (s): 24101589 Date (s): 10/29/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>				
Reference Mark/Identification	<u>Yes</u>				<u>X</u>

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 13:40 Static Water Level: 11.10 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 9.30 feet

Purging Activities

Purged By: BG Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.3 ft. x 0.022 = 0.2 L x 3 Vol. = 0.6 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:40	0.0	310	purge start time						
13:49	2.8	↓	6.84	648.40	16.63	1.81	-73.90	14.00	
13:52	3.8		6.81	646.80	16.78	1.58	-61.40	77.38	
13:55	4.7		6.80	647.50	16.74	1.64	-56.70	40.11	
13:58	5.6		6.79	647.20	16.76	1.43	-51.60	7.30	
14:01	6.5		6.79	647.40	16.75	1.47	-47.10	11.02	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/29/2024 14:01
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.79 pH 647.40 Spec. Cond. 16.75 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.73 feet below TOC Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 10/29/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G271
Sample ID: 045
Date (s): 10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☒ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 14:05 Static Water Level: 12.47 feet below TOC
Total Depth: 18.70 feet below TOC
Water Column: 6.23 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $6.23 \text{ ft.} \times 0.022 = 0.14 \text{ L} \times 3 \text{ Vol.} = 0.42 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:05	0.0	400	purge start time						
14:11	2.4	↓	7.01	792.40	17.56	5.48	52.00	76.94	
14:14	3.6		6.97	806.10	17.59	5.33	56.90	73.54	
14:17	4.8		6.92	829.50	17.54	4.60	60.50	72.97	
14:20	6.0		6.89	847.30	17.54	4.05	63.10	72.87	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 14:20
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.89 pH 847.30 Spec. Cond. 17.54 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.87 feet below TOC Drawdown: 0.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G272
Project Location: Coffeen, Illinois Sample ID: 046
W.O. Number (s): 24101589 Date (s): 10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☒ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

	Locks	Yes	No
Well Pad <u>Good</u>			
Casing <u>Good</u>	Protective Casing	X	
Protective Casing <u>Good</u>	Well		X
Reference Mark/Identification <u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 13:32 Static Water Level: 11.96 feet below TOC
Total Depth: 17.40 feet below TOC
Water Column: 5.44 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 5.44 ft. x 0.022 = 0.12 L x 3 Vol. = 0.36 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:32	0.0	227	purge start time						
13:36	0.9	↓	6.91	1,084.20	17.60	2.67	14.80	32.99	
13:39	1.6		6.91	1,077.30	17.70	2.77	22.30	82.64	
13:42	2.3		6.90	1,088.10	17.70	2.60	27.60	18.97	
13:45	3.0		6.87	1,144.70	17.67	2.21	31.80	16.77	
13:48	3.6		6.85	1,187.60	17.68	1.86	35.20	11.63	
13:51	4.3		6.83	1,230.10	17.72	1.75	37.90	9.52	
13:54	5.0		6.82	1,257.90	17.76	1.60	40.10	9.49	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 13:54
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH 1,257.90 Spec. Cond. 17.76 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.54 feet below TOC Drawdown: 0.58 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G273
Sample ID: 047
Date (s): 10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 64 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 12:55 Static Water Level: 12.14 feet below TOC
Total Depth: 18.90 feet below TOC
Water Column: 6.76 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $6.76 \text{ ft.} \times 0.022 = 0.15 \text{ L} \times 3 \text{ Vol.} = 0.45 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:55	0.0	207	purge start time						
13:06	2.3	↓	6.71	1,346.10	17.42	0.72	-28.40	130.67	
13:09	2.9		6.70	1,350.70	17.53	0.76	-23.80	132.53	
13:12	3.5		6.70	1,358.00	17.58	0.72	-20.90	132.70	
13:15	4.1		6.70	1,361.90	17.59	0.65	-23.00	139.17	
13:18	4.8		6.70	1,363.00	17.63	0.62	-25.30	141.96	
13:21	5.4		6.69	1,364.30	17.62	0.61	-25.80	141.42	
13:24	6.0		6.69	1,365.00	17.60	0.59	-25.10	142.39	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 13:24
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.69 pH 1,365.00 Spec. Cond. 17.60 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.43 feet below TOC Drawdown: 0.29 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G274
Sample ID: 048
Date (s): 10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:04

Static Water Level: 15.24 feet below TOC
Total Depth: 20.40 feet below TOC
Water Column: 5.16 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $5.16 \text{ ft.} \times 0.022 = 0.11 \text{ L} \times 3 \text{ Vol.} = 0.33 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:04	0.0	308	purge start time						
9:08	1.2	↓	6.63	976.20	18.22	3.73	44.00	7.68	
9:11	2.2		6.57	930.60	17.62	1.75	-8.50	8.07	
9:14	3.1		6.57	948.10	17.62	1.23	-50.40	9.99	
9:17	4.0		6.59	982.10	17.57	0.98	-61.90	8.13	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 9:17
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.59 pH 982.10 Spec. Cond. 17.57 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.69 feet below TOC Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/30/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G275
Sample ID: 049
Date (s): 10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 69 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:55 Static Water Level: 13.30 feet below TOC
Total Depth: 15.30 feet below TOC
Water Column: 2.00 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $2 \text{ ft.} \times 0.022 = 0.04 \text{ L} \times 3 \text{ Vol.} = 0.12 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 1.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:55	0.0	167	purge start time						
9:55	0.0	↓	6.82	1,197.40	18.32	4.19	2.20	226.08	
9:58	0.5		6.67	1,233.40	18.92	2.00	-1.70	14.08	
10:01	1.0		6.63	1,246.80	19.10	1.16	-2.30	8.25	
10:04	1.5		6.61	1,247.80	19.25	0.93	4.70	7.30	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 10:04
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.61 pH 1,247.80 Spec. Cond. 19.25 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: Under pump feet below TOC Drawdown: N/A feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/30/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G275D
Sample ID: 050
Date (s): 10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 69 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 9:30 Static Water Level: 38.09 feet below TOC
Total Depth: 62.70 feet below TOC
Water Column: 24.61 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $24.61 \text{ ft.} \times 0.022 = 0.54 \text{ L} \times 3 \text{ Vol.} = 1.62 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Lt Gray

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:30	0.0	292	purge start time						
9:33	0.9	↓	7.08	1,310.90	18.19	6.29	-3.90	6.41	
9:36	1.8		6.84	1,365.90	16.89	2.42	-135.90	4.89	
9:39	2.7		6.82	1,366.50	16.80	2.36	-141.20	6.27	
9:42	3.5		6.84	1,363.10	17.28	2.44	-144.20	7.49	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 9:42
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.84 pH 1,363.10 Spec. Cond. 17.28 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 38.73 feet below TOC Drawdown: 0.64 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G276
Sample ID: 051
Date (s): 11/4/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr></table>	Yes	No	X	
Yes	No						
X							
Casing	<u>Good</u>	Protective Casing					
Protective Casing	<u>Good</u>	Well	<table><tr><td></td><td>X</td></tr></table>		X		
	X						
Reference Mark/Identification	<u>Yes</u>						

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:50 Static Water Level: 28.33 feet below TOC
Total Depth: 30.90 feet below TOC
Water Column: 2.57 feet

Purging Activities

Purged By: TAC Purge Date: 11/4/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 2.57 ft. x 0.022 = 0.06 L x 3 Vol. = 0.18 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	97	purge start time						
11:11	1.5	↓	6.77	1,217.50	17.36	4.42	112.00	0.97	
11:14	1.8		6.76	1,215.20	17.33	4.18	111.90	0.35	
11:17	2.1		6.76	1,214.20	17.30	3.94	111.40	-0.10	
11:20	2.4		6.76	1,212.20	17.29	3.76	110.90	-0.33	
11:23	2.7		6.76	1,209.50	17.30	3.64	110.40	-0.46	
11:26	3.0		6.77	1,207.60	17.26	3.55	109.90	-0.60	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/4/2024 11:26
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.77 pH 1,207.60 Spec. Cond. 17.26 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 29.30 feet below TOC Drawdown: 0.97 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720
- Well went dry during sampling, partial kit collected

Form Completed By: Tracy Carroll

Date: 11/4/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G277
Sample ID: 052
Date (s): 11/4/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Brett Gillihan Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☒ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks
Protective Casing
Well

Yes	No
X	
	X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:45

Static Water Level: T.O.P. feet below TOC
Total Depth: 22.30 feet below TOC
Water Column: N/A feet

Purging Activities

Purged By: TC Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 0.25 L
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:45	0.0		purge start time						

Sampling Activities

Sampled By: TAC Sample Date/Time:
Sample Method: Bladder Pump
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: N/A
- Dry; no sample collected

Form Completed By: Tracy Carroll

Date: 11/4/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G278
Sample ID: 053
Date (s): 10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 73 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 10:35 Static Water Level: 24.61 feet below TOC
Total Depth: 26.40 feet below TOC
Water Column: 1.79 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $1.79 \text{ ft.} \times 0.022 = 0.04 \text{ L} \times 3 \text{ Vol.} = 0.12 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: yellow

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:35	0.0	83	purge start time						
10:47	1.0	↓	6.67	5,196.80	21.48	6.00	77.50	5.28	
10:50	1.3		6.69	5,002.30	21.95	6.37	81.60	8.48	
10:53	1.5		6.71	5,222.90	18.40	5.43	83.60	91.41	
10:56	1.7		6.61	5,106.40	18.89	4.57	91.60	184.78	
10:59	2.0		6.59	5,089.20	19.56	4.61	96.10	157.58	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 10:59
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.59 pH 5,089.20 Spec. Cond. 19.56 Temp
Field Filtered: Yes Filter Type:
Water Level: 25.86 feet below TOC Drawdown: 1.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 10/30/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G279
Sample ID: 054
Date (s): 10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 74 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 11:07 Static Water Level: 24.57 feet below TOC
Total Depth: 30.80 feet below TOC
Water Column: 6.23 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $6.23 \text{ ft.} \times 0.022 = 0.14 \text{ L} \times 3 \text{ Vol.} = 0.42 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:07	0.0	321	purge start time						
11:12	1.6	↓	6.65	4,218.90	18.43	1.28	101.30	20.71	
11:15	2.6		6.51	5,600.20	18.49	0.78	114.10	6.94	
11:18	3.5		6.50	5,783.30	18.44	0.63	117.80	6.01	
11:21	4.5		6.49	5,889.70	18.43	0.57	122.90	4.31	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 11:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.49 pH 5,889.70 Spec. Cond. 18.43 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 25.61 feet below TOC Drawdown: 1.04 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/30/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G280
Sample ID: 055
Date (s): 10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 11:55 Static Water Level: 7.83 feet below TOC
Total Depth: 20.20 feet below TOC
Water Column: 12.37 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $12.37 \text{ ft.} \times 0.022 = 0.27 \text{ L} \times 3 \text{ Vol.} = 0.81 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:55	0.0	316	purge start time						
12:05	3.2	↓	7.18	796.10	19.27	0.74	-14.70	69.22	
12:08	4.1		7.15	794.30	19.18	0.65	-4.70	78.69	
12:11	5.1		7.13	792.50	19.24	0.61	1.40	87.36	
12:14	6.0		7.11	791.10	19.23	0.58	6.00	99.39	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 12:14
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.11 pH 791.10 Spec. Cond. 19.23 Temp
Field Filtered: Yes Filter Type:
Water Level: 8.21 feet below TOC Drawdown: 0.38 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G281
Project Location: Coffeen, Illinois Sample ID: 056
W.O. Number (s): 24101589 Date (s): 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 79 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr></table>	Yes	No	X			X
Yes	No								
X									
	X								
Casing	<u>Good</u>	Protective Casing							
Protective Casing	<u>Good</u>	Well							
Reference Mark/Identification	<u>Yes</u>								

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 14:00 Static Water Level: 9.39 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 13.41 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 13.41 ft. x 0.022 = 0.3 L x 3 Vol. = 0.9 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
14:03	0.0	227	purge start time						
14:07	0.9	↓	6.97	1,312.90	18.24	3.37	6.20	9.55	
14:10	1.6		6.98	1,307.40	18.07	2.20	1.40	25.72	
14:13	2.3		6.98	1,309.30	18.08	1.69	-1.80	27.03	
14:16	3.0		6.99	1,310.10	18.00	1.43	-4.80	33.68	
14:19	3.6		6.99	1,311.50	17.94	1.26	-8.10	41.55	
14:22	4.3		6.99	1,310.50	17.97	1.15	-11.40	53.64	
14:25	5.0		6.98	1,310.70	17.93	1.07	-13.80	58.28	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 14:25
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.98 pH 1,310.70 Spec. Cond. 17.93 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.48 feet below TOC Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/30/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G283
Sample ID: 057
Date (s): 11/7/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 49 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 11:48 Static Water Level: 2.83 feet below TOC
Total Depth: 20.80 feet below TOC
Water Column: 17.97 feet

Purging Activities

Purged By: BG Purge Date: 11/7/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $17.97 \text{ ft.} \times 0.022 = 0.4 \text{ L} \times 3 \text{ Vol.} = 1.2 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:48	0.0	196	purge start time						
11:59	2.2	↓	6.89	1,232.30	16.78	1.17	-0.70	12.47	
12:02	2.7		6.84	1,230.00	16.81	0.92	-8.10	10.49	
12:05	3.3		6.83	1,227.90	16.56	0.79	-15.20	14.17	
12:08	3.9		6.83	1,228.80	16.67	0.74	-19.90	12.59	
12:11	4.5		6.82	1,229.70	16.74	0.70	-23.10	12.36	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/7/2024 12:11
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.82 pH 1,229.70 Spec. Cond. 16.74 Temp
Field Filtered: Yes Filter Type:
Water Level: 3.16 feet below TOC Drawdown: 0.33 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:




Date: 11/7/2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G284
Project Location: Coffeen, Illinois Sample ID: 058
W.O. Number (s): 24101589 Date (s): 10/31/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 65 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 12:17 Static Water Level: 12.03 feet below TOC
Total Depth: 16.30 feet below TOC
Water Column: 4.27 feet

Purging Activities

Purged By: BG Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 4.27 ft. x 0.022 = 0.09 L x 3 Vol. = 0.27 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:17	0.0	167	purge start time						
12:20	0.5	↓	6.94	652.80	17.79	3.71	45.80	39.43	
12:23	1.0		6.88	622.20	17.91	4.68	54.60	31.11	
12:26	1.5		6.85	637.60	18.02	4.48	59.20	25.82	
12:29	2.0		6.82	671.20	18.04	3.54	61.50	24.21	
12:32	2.5		6.80	691.00	18.03	2.79	62.50	27.41	
12:35	3.0		6.79	700.50	18.04	2.30	62.90	25.68	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/31/2024 12:35
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.79 pH 700.50 Spec. Cond. 18.04 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 12.87 feet below TOC Drawdown: 0.84 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G285
Sample ID: 059
Date (s): 10/29/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 74 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 10:59 Static Water Level: 6.52 feet below TOC
Total Depth: 26.80 feet below TOC
Water Column: 20.28 feet

Purging Activities

Purged By: BG Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $20.28 \text{ ft.} \times 0.022 = 0.45 \text{ L} \times 3 \text{ Vol.} = 1.35 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:59	0.0	171	purge start time						
11:25	4.5	↓	6.42	1,895.50	17.33	0.56	-107.70	238.72	
11:28	5.0		6.42	1,895.00	17.24	0.54	-107.90	256.42	
11:31	5.5		6.43	1,895.50	17.31	0.53	-107.30	270.96	
11:34	6.0		6.44	1,899.10	17.41	0.52	-105.90	286.34	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/29/2024 11:34
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 1,899.10 Spec. Cond. 17.41 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 5.63 feet below TOC Drawdown: -0.89 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:



Date: 10/29/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G301
Project Location: Coffeen, Illinois Sample ID: 060
W.O. Number (s): 24101589 Date (s): 11/7/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 12:54 Static Water Level: 7.30 feet below TOC
Total Depth: 18.60 feet below TOC
Water Column: 11.30 feet

Purging Activities

Purged By: TAC Purge Date: 11/7/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.3 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:54	0.0	208	purge start time						
13:03	1.9	↓	6.69	991.30	16.61	3.92	140.60	3.90	
13:06	2.5		6.64	983.80	16.55	3.72	145.50	3.69	
13:09	3.1		6.62	979.60	16.75	3.48	147.70	2.69	
13:12	3.7		6.61	978.90	16.75	3.28	148.40	2.31	
13:15	4.4		6.60	972.90	16.68	3.09	148.70	2.41	
13:18	5.0		6.60	972.10	16.73	2.99	148.40	2.35	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/7/2024 13:18
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.60 pH 972.10 Spec. Cond. 16.73 Temp
Field Filtered: No Filter Type: _____
Water Level: 8.61 feet below TOC Drawdown: 1.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: _____

Date: 11/7/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G302
Project Location: Coffeen, Illinois Sample ID: 061
W.O. Number (s): 24101589 Date (s): 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 60 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 11:35 Static Water Level: 8.28 feet below TOC
Total Depth: 20.50 feet below TOC
Water Column: 12.22 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.22 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:36	0.0	182	purge start time						
11:43	1.3	↓	6.57	1,287.80	16.48	2.95	-57.70	6.00	
11:46	1.8		6.56	1,264.70	16.50	2.39	-46.50	8.83	
11:49	2.4		6.56	1,267.40	16.49	2.07	-42.40	10.94	
11:52	2.9		6.56	1,269.00	16.50	1.85	-41.50	13.46	
11:55	3.5		6.56	1,268.40	16.47	1.78	-41.00	16.20	
11:58	4.0		6.56	1,268.20	16.52	1.69	-39.70	19.90	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 11:58
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.56 pH 1,268.20 Spec. Cond. 16.52 Temp
Field Filtered: No Filter Type: _____
Water Level: 9.09 feet below TOC Drawdown: 0.81 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771
-

Form Completed By: 

Date: 11/6/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G303
Sample ID: 062
Date (s): 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 13:27 Static Water Level: 7.65 feet below TOC
Total Depth: 23.30 feet below TOC
Water Column: 15.65 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.65 \text{ ft.} \times 0.022 = 0.34 \text{ L} \times 3 \text{ Vol.} = 1.02 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:27	0.0	119	purge start time						
13:36	1.1	↓	6.75	1,639.10	16.45	3.46	-142.80	7.00	
13:39	1.5		6.73	1,634.90	16.30	3.16	-127.60	18.40	
13:42	1.8		6.73	1,628.40	16.23	3.00	-114.20	11.69	
13:45	2.2		6.74	1,622.20	16.17	2.90	-102.40	10.22	
13:48	2.5		6.74	1,612.30	16.12	2.86	-92.10	13.58	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 13:48
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.74 pH 1,612.30 Spec. Cond. 16.12 Temp
Field Filtered: No Filter Type:
Water Level: 8.54 feet below TOC Drawdown: 0.89 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp

Date: 11/6/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G305
Sample ID: 063
Date (s): 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>		
Casing	<u>Good</u>		Protective Casing	<u>X</u>		
Protective Casing	<u>Good</u>			Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>					

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 12:59 Static Water Level: 8.12 feet below TOC
Total Depth: 21.50 feet below TOC
Water Column: 13.38 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 13.38 ft. x 0.022 = 0.29 L x 3 Vol. = 0.87 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:59	0.0	286	purge start time						
13:05	1.7	↓	7.06	1,325.60	16.23	2.40	-57.40	2.54	
13:08	2.6		7.06	1,324.60	16.22	1.81	-41.40	2.51	
13:11	3.4		7.06	1,324.80	16.23	1.51	-35.00	2.53	
13:14	4.3		7.06	1,325.10	16.21	1.33	-32.50	2.08	
13:17	5.1		7.05	1,325.80	16.23	1.21	-31.30	1.86	
13:20	6.0		7.06	1,326.20	16.18	1.13	-31.00	1.25	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 13:20
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.06 pH 1,326.20 Spec. Cond. 16.18 Temp
Field Filtered: No Filter Type:
Water Level: 8.31 feet below TOC Drawdown: 0.19 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/6/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G306
Sample ID: 064
Date (s): 11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 9:58 Static Water Level: 11.06 feet below TOC
Total Depth: 20.90 feet below TOC
Water Column: 9.84 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $9.84 \text{ ft.} \times 0.022 = 0.22 \text{ L} \times 3 \text{ Vol.} = 0.66 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:58	0.0	190	purge start time						
10:10	2.3	↓	6.14	741.20	15.91	0.76	77.70	32.98	
10:13	2.9		6.14	734.30	15.90	0.73	79.80	37.93	
10:16	3.5		6.15	729.00	15.90	0.71	81.80	43.01	
10:19	4.0		6.15	724.50	15.91	0.70	83.80	50.26	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 10:19
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.15 pH 724.50 Spec. Cond. 15.91 Temp
Field Filtered: No Filter Type:
Water Level: 11.58 feet below TOC Drawdown: 0.52 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Brett Gillihan

Date: 11/4/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G307
Sample ID: 065
Date (s): 11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 11:04

Static Water Level: 7.05 feet below TOC
Total Depth: 20.60 feet below TOC
Water Column: 13.55 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): $13.55 \text{ ft.} \times 0.022 = 0.3 \text{ L} \times 3 \text{ Vol.} = 0.9 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:04	0.0	267	purge start time						
11:13	2.4	↓	6.76	1,059.00	17.50	1.41	-121.70	14.82	
11:16	3.2		6.76	1,063.30	17.52	1.26	-123.20	9.82	
11:19	4.0		6.78	1,070.90	17.52	1.19	-119.70	7.84	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 11:19
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.78 pH 1,070.90 Spec. Cond. 17.52 Temp
Field Filtered: No Filter Type:
Water Level: 6.65 feet below TOC Drawdown: -0.40 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 11/4/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G307D
Sample ID: 066
Date (s): 11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:39 Static Water Level: 12.33 feet below TOC
Total Depth: 62.00 feet below TOC
Water Column: 49.67 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $49.67 \text{ ft.} \times 0.022 = 1.09 \text{ L} \times 3 \text{ Vol.} = 3.27 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:39	0.0	265	purge start time						
10:44	1.3	↓	6.91	1,240.20	16.65	2.44	-89.70	12.04	
10:47	2.1		6.94	1,273.80	16.86	2.25	-99.20	14.67	
10:50	2.9		6.97	1,289.30	16.95	2.04	-103.50	12.00	
10:53	3.7		6.99	1,297.20	17.04	1.90	-105.40	10.62	
10:56	4.5		7.00	1,302.40	17.01	1.81	-105.70	14.41	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 10:56
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.00 pH 1,302.40 Spec. Cond. 17.01 Temp
Field Filtered: No Filter Type:
Water Level: 12.37 feet below TOC Drawdown: 0.04 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 11/4/2024



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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G308
Sample ID: 067
Date (s): 11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 11:34 Static Water Level: 5.62 feet below TOC
Total Depth: 18.20 feet below TOC
Water Column: 12.58 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.58 ft. x 0.022 = 0.28 L x 3 Vol. = 0.84 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:34	0.0	227	purge start time						
11:41	1.6	↓	6.91	1,682.10	17.08	1.28	-30.00	7.73	
11:44	2.3		6.91	1,681.20	17.07	1.16	-26.50	31.28	
11:47	3.0		6.91	1,685.90	17.08	1.13	-23.10	12.67	
11:50	3.6		6.91	1,681.70	17.06	1.06	-20.00	6.53	
11:53	4.3		6.91	1,681.30	17.06	1.17	-17.20	18.02	
11:56	5.0		6.91	1,680.40	17.06	1.03	-14.80	17.30	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 11:56
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.91 pH 1,680.40 Spec. Cond. 17.06 Temp
Field Filtered: No Filter Type: _____
Water Level: 5.86 feet below TOC Drawdown: 0.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By: Brett Gillihan

Date: 11/4/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G310
Sample ID: 068
Date (s): 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>		
Casing	<u>Good</u>		Protective Casing	<u>X</u>		
Protective Casing	<u>Good</u>			Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>					

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 10:54 Static Water Level: 8.14 feet below TOC
Total Depth: 18.40 feet below TOC
Water Column: 10.26 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.26 \text{ ft.} \times 0.022 = 0.23 \text{ L} \times 3 \text{ Vol.} = 0.69 \text{ L}$ **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0	173	purge start time						
11:03	1.4	↓	6.88	1,029.10	16.63	2.67	39.60	2.63	
11:06	1.9		6.89	1,029.50	16.59	2.10	38.70	2.64	
11:09	2.4		6.90	1,029.60	16.57	1.80	39.60	2.52	
11:12	3.0		6.90	1,029.50	16.56	1.60	41.80	2.38	
11:15	3.5		6.89	1,029.90	16.59	1.46	43.40	2.12	
11:18	4.0		6.89	1,030.10	16.61	1.36	44.90	1.63	
11:21	4.5		6.90	1,030.10	16.64	1.29	45.80	1.37	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 11:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.90 pH 1,030.10 Spec. Cond. 16.64 Temp
Field Filtered: No Filter Type: _____
Water Level: 8.39 feet below TOC Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: _____




Date: 11/6/2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Field Data Sheet
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589
Monitoring Point: G312
Sample ID: 069
Date (s): 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 12:01
Static Water Level: 8.80 feet below TOC
Total Depth: 17.80 feet below TOC
Water Column: 9.00 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $9 \text{ ft.} \times 0.022 = 0.2 \text{ L} \times 3 \text{ Vol.} = 0.6 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 12.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:02	0.0	240	purge start time						
12:07	1.2	↓	6.86	818.20	16.94	8.24	60.60	3.61	
12:10	1.9		6.72	864.50	16.91	8.06	80.70	3.08	
12:13	2.7		6.62	997.10	16.89	7.29	94.30	3.03	
12:16	3.4		6.51	1,133.20	16.89	6.41	102.70	3.07	
12:19	4.1		6.42	1,281.90	16.89	5.44	108.10	2.64	
12:22	4.8		6.37	1,407.20	16.89	4.60	108.20	2.72	
12:25	5.5		6.35	1,494.60	16.90	4.00	88.70	7.42	
12:28	6.3		6.34	1,561.90	16.89	3.55	63.60	8.96	
12:31	7.0		6.33	1,608.70	16.89	3.21	52.10	15.48	
12:34	7.7		6.32	1,650.00	16.89	2.93	52.90	21.35	
12:37	8.4		6.31	1,679.30	16.88	2.71	60.00	22.18	
12:40	9.1		6.29	1,729.30	16.87	2.49	67.70	24.25	
12:43	9.9		6.29	1,768.10	16.86	2.16	71.60	29.85	
12:46	10.6		6.29	1,773.20	16.86	2.01	74.50	2.72	
12:49	11.3		6.29	1,770.30	16.86	1.94	76.80	2.63	
12:52	12.0		6.29	1,770.60	16.89	1.90	79.10	2.47	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 12:52
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.29 pH 1,770.60 Spec. Cond. 16.89 Temp
Field Filtered: No Filter Type:
Water Level: 9.97 feet below TOC Drawdown: 1.17 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:  Date: 11/6/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G313
Sample ID: 070
Date (s): 11/7/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 56 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 11:17 Static Water Level: 3.69 feet below TOC
Total Depth: 14.30 feet below TOC
Water Column: 10.61 feet

Purging Activities

Purged By: JC Purge Date: 11/7/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.61 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:17	0.0	217	purge start time						
11:25	1.7	↓	6.66	1,398.40	17.18	2.57	43.40	5.08	
11:28	2.4		6.66	1,396.90	17.19	2.14	40.60	7.42	
11:31	3.0		6.66	1,396.80	17.24	1.87	38.40	9.66	
11:34	3.7		6.67	1,398.70	17.19	1.68	37.40	12.02	
11:37	4.3		6.67	1,399.70	17.21	1.55	36.60	16.56	
11:40	5.0		6.67	1,400.90	17.13	1.45	35.90	19.40	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/7/2024 11:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.67 pH 1,400.90 Spec. Cond. 17.13 Temp
Field Filtered: No Filter Type: _____
Water Level: 3.91 feet below TOC Drawdown: 0.22 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: _____

Date: 11/7/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G314
Project Location: Coffeen, Illinois Sample ID: 071
W.O. Number (s): 24101589 Date (s): 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 62 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

	Locks	Yes	No
Well Pad <u>Good</u>			
Casing <u>Good</u>	Protective Casing	X	
Protective Casing <u>Good</u>	Well		X
Reference Mark/Identification <u>Yes</u>			

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 13:51 Static Water Level: 6.05 feet below TOC
Total Depth: 22.80 feet below TOC
Water Column: 16.75 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.75 ft. x 0.022 = 0.37 L x 3 Vol. = 1.11 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:52	0.0	211	purge start time						
13:56	0.8	↓	6.41	2,968.70	16.52	2.69	-90.90	16.38	
13:59	1.5		6.41	2,975.80	16.59	1.82	-92.60	20.89	
14:02	2.1		6.42	2,976.40	16.64	1.45	-94.40	31.54	
14:05	2.7		6.43	2,976.50	16.71	1.25	-96.10	31.52	
14:08	3.4		6.44	2,976.40	16.75	1.13	-96.50	30.78	
14:11	4.0		6.44	2,977.10	16.76	1.05	-96.10	32.29	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 14:11
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.44 pH 2,977.10 Spec. Cond. 16.76 Temp
Field Filtered: No Filter Type:
Water Level: 10.11 feet below TOC Drawdown: 4.06 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 11/6/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G314D
Sample ID: 072
Date (s): 11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 13:30 Static Water Level: 8.56 feet below TOC
Total Depth: 52.30 feet below TOC
Water Column: 43.74 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $43.74 \text{ ft.} \times 0.022 = 0.96 \text{ L} \times 3 \text{ Vol.} = 2.88 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.00 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:30	0.0	150	purge start time						
13:41	1.6	↓	6.69	2,785.30	15.89	0.56	-86.40	425.71	
13:44	2.1		6.69	2,781.00	15.85	0.52	-89.40	149.39	
13:47	2.5		6.69	2,777.50	15.81	0.50	-91.70	228.33	
13:50	3.0		6.69	2,782.50	15.81	0.48	-93.80	317.35	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 13:50
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.69 pH 2,782.50 Spec. Cond. 15.81 Temp
Field Filtered: No Filter Type:
Water Level: 8.88 feet below TOC Drawdown: 0.32 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 11/4/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G315
Sample ID: 073
Date (s): 11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 13:00 Static Water Level: 3.17 feet below TOC
Total Depth: 17.40 feet below TOC
Water Column: 14.23 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $14.23 \text{ ft.} \times 0.022 = 0.31 \text{ L} \times 3 \text{ Vol.} = 0.93 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:00	0.0	156	purge start time						
13:07	1.1	↓	6.67	1,252.40	16.08	0.93	27.10	9.44	
13:10	1.6		6.64	1,251.60	16.09	0.79	34.40	7.52	
13:13	2.1		6.62	1,251.50	16.09	0.71	39.80	6.61	
13:16	2.5		6.61	1,251.90	16.07	0.66	43.70	5.50	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 13:16
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.61 pH 1,251.90 Spec. Cond. 16.07 Temp
Field Filtered: No Filter Type:
Water Level: 3.42 feet below TOC Drawdown: 0.25 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 11/4/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G316
Sample ID: 074
Date (s): 11/4/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Tracy Carroll Affiliation: TekLab, Inc.

Weather Conditions

Temp: 70 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 12:10 Static Water Level: 11.01 feet below TOC
Total Depth: 18.10 feet below TOC
Water Column: 7.09 feet

Purging Activities

Purged By: BG Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $7.09 \text{ ft.} \times 0.022 = 0.16 \text{ L} \times 3 \text{ Vol.} = 0.48 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 6.50 L
Physical appearance of purge water: Slightly cloudy Odor: None Color: Lt Yellow

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:10	0.0	250	purge start time						
12:18	2.0	↓	6.72	1,985.90	16.48	0.96	-113.20	6.28	
12:21	2.7		6.71	1,986.80	16.47	0.82	-114.50	71.84	
12:24	3.5		6.70	1,988.10	16.47	0.66	-114.50	17.34	
12:27	4.2		6.70	1,989.10	16.47	0.68	-115.30	27.82	
12:30	5.0		6.70	1,989.80	16.47	0.73	-115.50	137.21	
12:33	5.7		6.69	1,987.00	16.46	0.83	-115.20	3136.86	
12:36	6.5		7.01	1,986.60	16.64	0.77	-115.60	59.11	

Sampling Activities

Sampled By: BG Sample Date/Time: 11/4/2024 12:36
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.01 pH 1,986.60 Spec. Cond. 16.64 Temp
Field Filtered: No Filter Type:
Water Level: 11.64 feet below TOC Drawdown: 0.63 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 11/4/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G401
Sample ID: 075
Date (s): 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 56 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>			Well	
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 10:10 Static Water Level: 21.44 feet below TOC
Total Depth: 21.80 feet below TOC
Water Column: 0.36 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 0.36 ft. x 0.022 = 0.01 L x 3 Vol. = 0.03 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 2.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:12	0.0	83	purge start time						
10:21	0.8	↓	5.54	2,222.60	16.64	2.37	23.80	36.83	
10:24	1.0		5.56	2,224.70	16.63	1.89	20.70	18.44	
10:27	1.3		5.58	2,225.30	16.61	1.62	19.20	9.97	
10:30	1.5		5.59	2,225.20	16.61	1.45	17.90	6.48	
10:33	1.8		5.61	2,225.10	16.63	1.33	16.60	5.10	
10:36	2.0		5.62	2,225.00	16.65	1.24	15.40	4.10	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 10:36
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 5.62 pH 2,225.00 Spec. Cond. 16.65 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: T.O.P. feet below TOC Drawdown: N/A feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771
- Total depth= T.O.P.

Form Completed By: Justin Colp

Date: 11/6/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G402
Sample ID: 076
Date (s): 11/4/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 11:30

Static Water Level: 11.42 feet below TOC
Total Depth: 23.40 feet below TOC
Water Column: 11.98 feet

Purging Activities

Purged By: JC Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $11.98 \text{ ft.} \times 0.022 = 0.26 \text{ L} \times 3 \text{ Vol.} = 0.78 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:31	0.0	192	purge start time						
11:48	3.3	↓	7.02	1,270.30	17.55	8.63	84.20	12.46	
11:51	3.9		7.02	1,272.90	17.55	8.74	87.30	13.98	
11:54	4.5		7.01	1,276.10	17.55	8.77	90.30	15.11	
11:57	5.0		7.01	1,278.30	17.55	8.78	93.20	14.43	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/4/2024 11:57
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.01 pH 1,278.30 Spec. Cond. 17.55 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 11.87 feet below TOC Drawdown: 0.45 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Date: 11/4/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: G403
Project Location: Coffeen, Illinois Sample ID: 077
W.O. Number (s): 24101589 Date (s): 11/4/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<table><tr><td>Yes</td><td>No</td></tr><tr><td>X</td><td></td></tr><tr><td></td><td>X</td></tr></table>	Yes	No	X			X
Yes	No								
X									
	X								
Casing	<u>Good</u>	Protective Casing							
Protective Casing	<u>Good</u>	Well							
Reference Mark/Identification	<u>Yes</u>								

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:41 Static Water Level: 8.48 feet below TOC
Total Depth: 20.80 feet below TOC
Water Column: 12.32 feet

Purging Activities

Purged By: JC Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.32 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:42	0.0	208	purge start time						
10:48	1.3	↓	6.76	578.30	16.54	3.10	-81.70	10.35	
10:51	1.9		6.72	565.80	16.59	2.19	-61.10	6.95	
10:54	2.5		6.71	560.40	16.63	1.77	-50.80	7.77	
10:57	3.2		6.71	558.90	16.65	1.53	-53.00	9.21	
11:00	3.8		6.71	558.20	16.68	1.37	-75.10	12.18	
11:03	4.4		6.71	557.60	16.66	1.27	-98.30	16.11	
11:06	5.0		6.72	557.40	16.66	1.19	-107.70	20.04	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/4/2024 11:06
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.72 pH 557.40 Spec. Cond. 16.66 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.91 feet below TOC Drawdown: 2.43 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 11/4/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G404
Sample ID: 078
Date (s): 11/4/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 10:18 Static Water Level: 5.35 feet below TOC
Total Depth: 14.10 feet below TOC
Water Column: 8.75 feet

Purging Activities

Purged By: JC Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $8.75 \text{ ft.} \times 0.022 = 0.19 \text{ L} \times 3 \text{ Vol.} = 0.57 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:18	0.0	182	purge start time						
10:28	1.8	↓	6.44	1,719.90	17.49	2.39	101.60	5.92	
10:31	2.4		6.43	1,700.50	17.47	1.97	96.50	7.16	
10:34	2.9		6.42	1,690.30	17.46	1.75	91.70	8.10	
10:37	3.5		6.42	1,682.80	17.48	1.61	84.10	9.13	
10:40	4.0		6.42	1,674.10	17.48	1.51	76.20	9.91	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/4/2024 10:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.42 pH 1,674.10 Spec. Cond. 17.48 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.03 feet below TOC Drawdown: 0.68 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:



Date: 11/4/2024



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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G405
Sample ID: 079
Date (s): 11/4/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 68 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>			Well	
Reference Mark/Identification	<u>Yes</u>				<u>X</u>

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 9:57 Static Water Level: 6.05 feet below TOC
Total Depth: 16.40 feet below TOC
Water Column: 10.35 feet

Purging Activities

Purged By: JC Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 10.35 ft. x 0.022 = 0.23 L x 3 Vol. = 0.69 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:58	0.0	239	purge start time						
10:06	1.9	↓	6.73	1,490.60	17.70	2.26	-9.10	16.27	
10:09	2.6		6.72	1,511.30	17.69	1.80	-3.10	20.27	
10:12	3.3		6.72	1,519.90	17.69	1.55	-0.90	24.74	
10:15	4.1		6.72	1,524.60	17.69	1.39	0.10	28.96	
10:18	4.8		6.71	1,528.30	17.69	1.28	0.90	34.30	
10:21	5.5		6.71	1,534.80	17.68	1.20	1.10	38.11	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/4/2024 10:21
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.71 pH 1,534.80 Spec. Cond. 17.68 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.75 feet below TOC Drawdown: 0.70 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/4/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G406
Sample ID: 080
Date (s): 11/4/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 69 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	<u>Yes</u>	<u>No</u>		
Casing	<u>Good</u>		Protective Casing	<u>X</u>		
Protective Casing	<u>Good</u>			Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>					

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 12:24 Static Water Level: 12.39 feet below TOC
Total Depth: 22.30 feet below TOC
Water Column: 9.91 feet

Purging Activities

Purged By: JC Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 9.91 ft. x 0.022 = 0.22 L x 3 Vol. = 0.66 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:25	0.0	214	purge start time						
12:31	1.3	↓	6.40	990.60	17.42	2.91	118.40	2.55	
12:34	1.9		6.39	989.30	17.42	2.16	117.20	2.65	
12:37	2.6		6.39	991.00	17.42	1.79	115.10	2.95	
12:40	3.2		6.39	992.60	17.42	1.56	112.60	3.34	
12:43	3.9		6.39	994.60	17.42	1.41	109.80	3.41	
12:46	4.5		6.39	996.20	17.41	1.30	107.10	4.47	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/4/2024 12:46
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.39 pH 996.20 Spec. Cond. 17.41 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 13.05 feet below TOC Drawdown: 0.66 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/4/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G407
Sample ID: 081
Date (s): 11/4/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 71 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☒ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/4/2024 13:17 Static Water Level: 6.52 feet below TOC
Total Depth: 23.00 feet below TOC
Water Column: 16.48 feet

Purging Activities

Purged By: JC Purge Date: 11/4/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 16.48 ft. x 0.022 = 0.36 L x 3 Vol. = 1.08 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:18	0.0	205	purge start time						
13:25	1.4	↓	6.44	2,366.50	17.20	3.06	25.00	4.30	
13:28	2.0		6.49	2,193.20	17.22	2.33	31.90	4.16	
13:31	2.7		6.54	1,940.30	17.24	1.83	30.50	3.94	
13:34	3.3		6.56	1,792.00	17.26	1.58	29.40	3.73	
13:37	3.9		6.57	1,727.10	17.27	1.47	29.00	2.84	
13:40	4.5		6.57	1,712.20	17.29	1.43	29.20	2.59	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/4/2024 13:40
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.57 pH 1,712.20 Spec. Cond. 17.29 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 10.89 feet below TOC Drawdown: 4.37 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 11/4/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 **Monitoring Point:** G410
Project Location: Coffeen, Illinois **Sample ID:** 082
W.O. Number (s): 24101589 **Date (s):** 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 55 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 9:33 Static Water Level: 7.30 feet below TOC
Total Depth: 16.70 feet below TOC
Water Column: 9.40 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $9.4 \text{ ft.} \times 0.022 = 0.21 \text{ L} \times 3 \text{ Vol.} = 0.63 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:34	0.0	200	purge start time						
9:41	1.4	↓	6.43	944.20	17.10	3.05	-15.40	22.23	
9:44	2.0		6.43	909.30	17.11	2.33	-14.50	5.79	
9:47	2.6		6.43	907.70	17.15	1.94	-15.60	2.87	
9:50	3.2		6.44	905.40	17.16	1.70	-16.60	2.33	
9:53	3.8		6.44	900.40	17.16	1.54	-17.20	1.83	
9:56	4.4		6.44	896.30	17.16	1.42	-17.60	1.59	
9:59	5.0		6.43	885.70	17.16	1.34	-16.20	12.07	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 9:59
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.43 pH 885.70 Spec. Cond. 17.16 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 8.40 feet below TOC Drawdown: 1.10 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:  Date: 11/6/2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G411
Sample ID: 083
Date (s): 11/6/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 54 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing	<u>X</u>	
Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 8:57 Static Water Level: 6.75 feet below TOC
Total Depth: 19.20 feet below TOC
Water Column: 12.45 feet

Purging Activities

Purged By: JC Purge Date: 11/6/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.45 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
8:58	0.0	208	purge start time						
9:04	1.3	↓	6.97	701.40	16.06	3.35	97.50	2.67	
9:07	1.9		6.98	706.20	16.08	2.63	98.50	2.78	
9:10	2.5		6.99	706.60	16.08	2.22	98.20	2.97	
9:13	3.1		6.99	705.30	16.04	1.96	97.50	3.07	
9:16	3.8		6.99	703.70	16.07	1.77	96.70	6.24	
9:19	4.4		7.00	703.60	16.07	1.63	95.60	18.43	
9:22	5.0		7.00	702.40	16.07	1.53	94.60	23.13	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/6/2024 9:22
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.00 pH 702.40 Spec. Cond. 16.07 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 7.21 feet below TOC Drawdown: 0.46 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:




Date: 11/6/2024

Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: L201
Sample ID: 084
Date (s): 11/7/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 58 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 12:20

Static Water Level: 3.62 feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: JC Purge Date: 11/7/2024
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Clear Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:20	0.0		purge start time						
12:22	1.0		11.28	10,485.10	16.38	7.82	-77.60	56.05	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/7/2024 12:22
Sample Method: Low Flow Sample Equipment: Direct Grab
Sample Parameters: 11.28 pH 10,485.10 Spec. Cond. 16.38 Temp
Field Filtered: No Filter Type:
Water Level: - feet below TOC Drawdown: #VALUE! feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:



Date: 11/7/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: NE Riser
Sample ID: 085
Date (s): 11/7/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 54 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad _____
Casing _____
Protective Casing _____
Reference Mark/Identification _____

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 10:44

Static Water Level: 19.58 feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: JC Purge Date: 11/7/2024
Purge Method: Bladder Pump Well Diameter: _____
Purge Volume Calculation (L): _____
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:44	0.0		purge start time						
10:47	1.0		6.47	12,624.90	17.45	4.87	211.70	14.41	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/7/2024 10:47
Sample Method: Direct Sample Sample Equipment: Bladder Pump
Sample Parameters: 6.47 pH 12,624.90 Spec. Cond. 17.45 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: - feet below TOC Drawdown: N/A feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 11/7/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: R104
Sample ID: 086
Date (s): 10/30/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 78 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing		X
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 12:45 Static Water Level: 11.89 feet below TOC
Total Depth: 22.70 feet below TOC
Water Column: 10.81 feet

Purging Activities

Purged By: JC Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.81 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: Moderate Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:40	0.0	227	purge start time						
12:47	1.7	↓	7.12	819.30	18.39	1.83	-204.40	5.81	
12:50	2.4		7.13	818.10	18.48	1.40	-215.50	9.56	
12:53	3.1		7.15	815.30	18.46	1.22	-222.80	14.95	
12:56	3.7		7.16	813.40	18.37	1.09	-227.40	21.54	
12:59	4.4		7.16	811.80	18.38	0.98	-230.20	28.51	
13:02	5.1		7.18	807.00	18.36	0.93	-229.90	35.49	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/30/2024 13:02
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.18 pH 807.00 Spec. Cond. 18.36 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 17.68 feet below TOC Drawdown: 5.79 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 10/30/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: R201
Sample ID: 087
Date (s): 10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 13:49 Static Water Level: 6.49 feet below TOC
Total Depth: 22.20 feet below TOC
Water Column: 15.71 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.71 \text{ ft.} \times 0.022 = 0.35 \text{ L} \times 3 \text{ Vol.} = 1.05 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:49	0.0	381	purge start time						
13:58	3.4	↓	6.80	1,046.90	17.63	0.54	-103.70	136.67	
14:01	4.6		6.79	1,049.40	17.38	0.51	-102.30	6.60	
14:04	5.7		6.79	1,049.20	17.12	0.48	-100.80	127.52	
14:07	6.9		6.79	1,049.60	17.09	0.46	-100.50	219.63	
14:10	8.0		6.78	1,047.30	17.09	0.46	-99.90	20.89	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 14:10
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.78 pH 1,047.30 Spec. Cond. 17.09 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.58 feet below TOC Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/30/2024



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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 Monitoring Point: R205
Project Location: Coffeen, Illinois Sample ID: 088
W.O. Number (s): 24101589 Date (s): 11/6/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 59 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

	Well Pad	Good		Locks	Yes	No
	Casing	<u>Good</u>		Protective Casing	<u>X</u>	
	Protective Casing	<u>Good</u>		Well		<u>X</u>
Reference Mark/Identification		<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 11/6/2024 12:26 Static Water Level: 6.94 feet below TOC
Total Depth: 19.00 feet below TOC
Water Column: 12.06 feet

Purging Activities

Purged By: TAC Purge Date: 11/6/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 12.06 ft. x 0.022 = 0.27 L x 3 Vol. = 0.81 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 6.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:30	0.0	261	purge start time						
12:35	1.4	↓	7.09	1,161.80	16.46	3.66	225.10	9.47	
12:38	2.1		6.99	1,166.10	16.43	2.82	222.50	7.78	
12:41	2.9		6.94	1,164.00	16.39	2.38	220.20	7.73	
12:44	3.7		6.90	1,159.50	16.38	2.11	217.70	10.84	
12:47	4.5		6.88	1,158.40	16.39	1.91	214.90	13.27	
12:50	5.3		6.87	1,156.40	16.45	1.77	212.30	23.43	
12:53	6.0		6.86	1,154.80	16.49	1.67	209.70	17.40	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/6/2024 12:53
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.86 pH 1,154.80 Spec. Cond. 16.49 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 7.38 feet below TOC Drawdown: 0.44 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: _____

Tracy Carroll

Date: 11/6/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: SG-02
Sample ID: 089
Date (s): 10/29/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 78 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Locks	Yes	No
Casing	Protective Casing	X	
Protective Casing	Well		X
Reference Mark/Identification			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 9:56 Static Water Level: 6.17 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- DTW Only; no sample collected

Form Completed By: Tracy Carroll Date: 10/29/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: SG-03
Sample ID: 090
Date (s): 10/29/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 78 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Locks	Yes	No
Casing	Protective Casing		X
Protective Casing	Well		X
Reference Mark/Identification			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 9:49 Static Water Level: 9.72 feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- DTW Only; no sample collected

Form Completed By:

Tracy Carroll

Date: 10/29/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: T127
Sample ID: 091
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 75 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	<u>Good</u>	Locks	Yes	No	
Casing	<u>Good</u>		Protective Casing		X
Protective Casing	<u>Good</u>		Well		X
Reference Mark/Identification	<u>Yes</u>				

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 11:17 Static Water Level: 16.10 feet below TOC
Total Depth: 21.28 feet below TOC
Water Column: 5.18 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 5.18 ft. x 0.022 = 0.11 L x 3 Vol. = 0.33 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Cloudy Odor: None Color: lt yellow

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:18	0.0	235	purge start time						
11:25	1.6	↓	7.11	752.90	18.92	2.59	19.50	371.10	
11:28	2.4		7.11	755.30	18.94	2.17	21.10	285.60	
11:31	3.1		7.12	758.60	19.16	2.32	23.20	201.05	
11:34	3.8		7.13	762.20	19.14	2.53	26.20	177.57	
11:37	4.5		7.13	761.40	19.06	2.33	26.30	147.43	
11:40	5.2		7.12	761.70	18.84	2.21	27.10	66.08	
11:43	5.9		7.11	761.10	18.77	1.91	26.60	57.60	
11:46	6.6		7.12	762.50	19.03	1.94	26.70	244.15	
11:49	7.3		7.12	763.30	19.04	2.14	28.00	108.74	
11:52	8.0		7.12	762.90	18.97	2.27	29.80	86.18	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 11:52
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 7.12 pH 762.90 Spec. Cond. 18.97 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 16.31 feet below TOC Drawdown: 0.21 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: Justin Colp

Date: 10/29/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: T128
Sample ID: 092
Date (s): 10/29/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No
Casing	Good	Protective Casing	X	
Protective Casing	Good	Well		X
Reference Mark/Identification	Yes			

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 11:55 Static Water Level: 15.72 feet below TOC
Total Depth: 28.70 feet below TOC
Water Column: 12.98 feet

Purging Activities

Purged By: JC Purge Date: 10/29/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $12.98 \text{ ft.} \times 0.022 = 0.29 \text{ L} \times 3 \text{ Vol.} = 0.87 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 4.50 L
Physical appearance of purge water: Clear Odor: Slight Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
11:57	0.0	250	purge start time						
12:03	1.5	↓	6.99	734.50	17.95	2.42	-131.00	0.66	
12:06	2.3		7.00	732.40	17.96	1.68	-127.20	0.56	
12:09	3.0		7.00	729.80	17.98	1.35	-123.70	0.51	
12:12	3.8		7.00	724.90	17.99	1.18	-120.10	0.27	
12:15	4.5		7.00	723.40	17.99	1.07	-116.10	0.04	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/29/2024 12:15
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.00 pH 723.40 Spec. Cond. 17.99 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 15.72 feet below TOC Drawdown: 0.00 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:




Date: 10/29/2024

Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: X201
Sample ID: 093
Date (s): 11/7/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 55 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Locks	Yes	No
Casing	Protective Casing	X	
Protective Casing	Well		X
Reference Mark/Identification			

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 10:55 Static Water Level: 20.77 feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: JC Purge Date: 11/7/2024
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L): 1.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:55	0.0		purge start time						
10:58	1.0		4.64	15,946.70	16.12	9.39	223.60	2.21	

Sampling Activities

Sampled By: JC Sample Date/Time: 11/7/2024 10:58
Sample Method: Low Flow Sample Equipment: Direct Grab
Sample Parameters: 4.64 pH 15,946.70 Spec. Cond. 16.12 Temp
Field Filtered: No Filter Type: Lab Filtered
Water Level: - feet below TOC Drawdown: - feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:



Date: 11/7/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: XSG-01
Sample ID: 094
Date (s): 10/29/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 77 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 14:43

Static Water Level: 7.56 feet below TOC
Total Depth: - feet below TOC
Water Column: - feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L): *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
	0.0		purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- DTW Only; no sample collected

Form Completed By:

Tracy Carroll

Date: 10/29/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: Field Blank
Sample ID: 095
Date (s):

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: 55 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured:

Static Water Level: feet below TOC
Total Depth: - feet below TOC
Water Column: #VALUE! feet

Purging Activities

Purged By: Purge Date:
Purge Method: Direct Grab Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: JC Sample Date/Time: 11/7/2024 12:55
Sample Method: Sample Equipment: Direct Grab
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By: 

Date: 11/7/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G102 Duplicate
Sample ID: 096
Date (s): 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 9:39 Static Water Level: 9.31 feet below TOC
Total Depth: 20.00 feet below TOC
Water Column: 10.69 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $10.69 \text{ ft.} \times 0.022 = 0.24 \text{ L} \times 3 \text{ Vol.} = 0.72 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 3.50 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
9:41	0.0	194	purge start time						
9:53	2.3	↓	7.10	720.10	17.08	2.25	89.90	1.10	
9:56	2.9		7.09	716.70	17.08	2.13	88.40	0.77	
9:59	3.5		7.09	712.90	17.09	2.06	86.70	0.55	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 9:59
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 7.09 pH 712.90 Spec. Cond. 17.09 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 9.66 feet below TOC Drawdown: 0.35 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Date: 10/31/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: G200 Duplicate
Sample ID: 097
Date (s): 10/29/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Payton Yoch Affiliation: TekLab, Inc.

Weather Conditions

Temp: 77 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good	Locks	Yes	No	
Casing	Good		Protective Casing	X	
Protective Casing	Good		Well		X
Reference Mark/Identification	Yes				

Groundwater Level Measurements

Date/Time Measured: 10/29/2024 12:05 Static Water Level: 6.22 feet below TOC
Total Depth: 20.70 feet below TOC
Water Column: 14.48 feet

Purging Activities

Purged By: BG Purge Date: 10/29/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 14.48 ft. x 0.022 = 0.32 L x 3 Vol. = 0.96 L *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 2.50 L
Physical appearance of purge water: Clear Odor: None Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:05	0.0	89	purge start time						
12:24	1.7	↓	6.98	804.80	21.22	3.44	-7.60	4.65	
12:27	2.0		6.90	813.30	21.29	2.51	-10.40	4.36	
12:30	2.3		6.88	815.40	21.26	2.06	-12.30	4.40	
12:33	2.5		6.87	815.70	21.42	1.87	-14.20	5.03	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/29/2024 12:33
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.87 pH 815.70 Spec. Cond. 21.42 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.33 feet below TOC Drawdown: 0.11 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:

Date: 10/29/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 **Monitoring Point:** G217 Duplicate
Project Location: Coffeen, Illinois **Sample ID:** 098
W.O. Number (s): 24101589 **Date (s):** 10/31/2024

Field Team Members

Name: Justin Colp Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 67 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☒ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☒ Cloudy

Well Observations

Well Pad	Good	Locks <table><tr><td>Yes</td><td>No</td></tr><tr><td>Protective Casing</td><td>X</td></tr><tr><td>Well</td><td>X</td></tr></table>	Yes	No	Protective Casing	X	Well	X
Yes	No							
Protective Casing	X							
Well	X							
Casing	Good							
Protective Casing	Good							
Reference Mark/Identification	Yes							

Groundwater Level Measurements

Date/Time Measured: 10/31/2024 10:27 Static Water Level: 18.86 feet below TOC
Total Depth: 28.40 feet below TOC
Water Column: 9.54 feet

Purging Activities

Purged By: JC Purge Date: 10/31/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $9.54 \text{ ft.} \times 0.022 = 0.21 \text{ L} \times 3 \text{ Vol.} = 0.63 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: none

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
10:28	0.0	200	purge start time						
10:35	1.4	↓	6.73	1,702.90	16.33	2.58	-88.70	5.01	
10:38	2.0		6.73	1,694.60	16.33	1.96	-87.40	19.91	
10:41	2.6		6.73	1,690.30	16.31	1.63	-86.40	29.89	
10:44	3.2		6.73	1,687.40	16.28	1.42	-86.00	38.38	
10:47	3.8		6.73	1,685.90	16.30	1.28	-87.80	62.74	
10:50	4.4		6.73	1,689.90	16.28	1.18	-89.00	58.01	
10:53	5.0		6.73	1,689.50	16.28	1.12	-89.90	72.85	

Sampling Activities

Sampled By: JC Sample Date/Time: 10/31/2024 10:53
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.73 pH 1,689.50 Spec. Cond. 16.28 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 19.10 feet below TOC Drawdown: 0.24 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210771

Form Completed By:

Justin Colp

Date: 10/31/2024



ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Data Sheet

Project Name: COF- 24Q4 **Monitoring Point:** G301 Duplicate
Project Location: Coffeen, Illinois **Sample ID:** 099
W.O. Number (s): 24101589 **Date (s):** 11/7/2024

Field Team Members

Name: Tracy Carroll Affiliation: TekLab, Inc.
Name: _____ Affiliation: _____

Weather Conditions

Temp: 61 °F Wind Direction: ☐ N ☒ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad	Good		Locks	Yes	No
Casing	Good		Protective Casing Well	X	
Protective Casing	Good				
Reference Mark/Identification	Yes				X

Groundwater Level Measurements

Date/Time Measured: 11/7/2024 12:54 Static Water Level: 7.30 feet below TOC
Total Depth: 18.60 feet below TOC
Water Column: 11.30 feet

Purging Activities

Purged By: TAC Purge Date: 11/7/2024
Purge Method: Peristaltic Pump Well Diameter: 2"
Purge Volume Calculation (L): 11.3 ft. x 0.022 = 0.25 L x 3 Vol. = 0.75 L **Based on Low-Flow (3/8" discharge)*
Actual Purge Volume (L): 5.00 L
Physical appearance of purge water: Clear Odor: None Color: None

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
12:54	0.0	208	purge start time						
13:03	1.9	↓	6.69	991.30	16.61	3.92	140.60	3.90	
13:06	2.5		6.64	983.80	16.55	3.72	145.50	3.69	
13:09	3.1		6.62	979.60	16.75	3.48	147.70	2.69	
13:12	3.7		6.61	978.90	16.75	3.28	148.40	2.31	
13:15	4.4		6.60	972.90	16.68	3.09	148.70	2.41	
13:18	5.0		6.60	972.10	16.73	2.99	148.40	2.35	

Sampling Activities

Sampled By: TAC Sample Date/Time: 11/7/2024 13:18
Sample Method: Low Flow Sample Equipment: Peristaltic Pump
Sample Parameters: 6.60 pH 972.10 Spec. Cond. 16.73 Temp
Field Filtered: No Filter Type: _____
Water Level: 8.61 feet below TOC Drawdown: 1.31 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 45720

Form Completed By: Tracy Carroll Date: 11/7/2024



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: R201 Duplicate
Sample ID: 100
Date (s): 10/30/2024

Field Team Members

Name: Brett Gillihan Affiliation: TekLab, Inc.
Name: Danny Crump Affiliation: TekLab, Inc.

Weather Conditions

Temp: 79 °F Wind Direction: ☒ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☒ None ☐ Light ☐ Heavy Sky: ☒ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad Good
Casing Good
Protective Casing Good
Reference Mark/Identification Yes

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: 10/30/2024 13:49 Static Water Level: 6.49 feet below TOC
Total Depth: 22.20 feet below TOC
Water Column: 15.71 feet

Purging Activities

Purged By: BG Purge Date: 10/30/2024
Purge Method: Bladder Pump Well Diameter: 2"
Purge Volume Calculation (L): $15.71 \text{ ft.} \times 0.022 = 0.35 \text{ L} \times 3 \text{ Vol.} = 1.05 \text{ L}$ *Based on Low-Flow (3/8" discharge)
Actual Purge Volume (L): 8.00 L
Physical appearance of purge water: Slightly cloudy Odor: Slight Color: Clear

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
13:49	0.0	381	purge start time						
13:58	3.4	↓	6.80	1,046.90	17.63	0.54	-103.70	136.67	
14:01	4.6		6.79	1,049.40	17.38	0.51	-102.30	6.60	
14:04	5.7		6.79	1,049.20	17.12	0.48	-100.80	127.52	
14:07	6.9		6.79	1,049.60	17.09	0.46	-100.50	219.63	
14:10	8.0		6.78	1,047.30	17.09	0.46	-99.90	20.89	

Sampling Activities

Sampled By: BG Sample Date/Time: 10/30/2024 14:10
Sample Method: Low Flow Sample Equipment: Bladder Pump
Sample Parameters: 6.78 pH 1,047.30 Spec. Cond. 17.09 Temp
Field Filtered: Yes Filter Type: Inline Disposable
Water Level: 6.58 feet below TOC Drawdown: 0.09 feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Field Meter: 210760

Form Completed By:



Date: 10/30/2024



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100 of 111

Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: Equipment Blank 1
Sample ID: 101
Date (s):

Field Team Members

Name: Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing	X	
Well		X

Groundwater Level Measurements

Date/Time Measured: Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (μS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; no non-dedicated equipment used.

Form Completed By: Date:



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: Equipment Blank 2
Sample ID: 102
Date (s):

Field Team Members

Name: Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; no non-dedicated equipment used.

Form Completed By: Date:



Field Data Sheet

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Project Name: COF- 24Q4
Project Location: Coffeen, Illinois
W.O. Number (s): 24101589

Monitoring Point: Equipment Blank 3
Sample ID: 103
Date (s):

Field Team Members

Name: Affiliation: TekLab, Inc.
Name: Affiliation:

Weather Conditions

Temp: °F Wind Direction: ☐ N ☐ S ☐ W ☐ E ☐ SE ☐ SW ☐ NE
☐ NW
Precipitation: ☐ None ☐ Light ☐ Heavy Sky: ☐ Clear ☐ Partly Cloudy ☐ Cloudy

Well Observations

Well Pad
Casing
Protective Casing
Reference Mark/Identification

Locks	Yes	No
Protective Casing		X
Well		X

Groundwater Level Measurements

Date/Time Measured: Static Water Level: feet below TOC
Total Depth: feet below TOC
Water Column: feet

Purging Activities

Purged By: Purge Date:
Purge Method: Well Diameter:
Purge Volume Calculation (L):
Actual Purge Volume (L):
Physical appearance of purge water: Odor: Color:

Purge Time	Cumulative Purge Vol.(L)	Purge Rate (mL/m)	pH (S.U.)	Specific Conductivity (µS/cm)	Temp (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	Turbidity (NTU)	Other
			purge start time						

Sampling Activities

Sampled By: Sample Date/Time:
Sample Method: Sample Equipment:
Sample Parameters: pH Spec. Cond. Temp
Field Filtered: Filter Type:
Water Level: feet below TOC Drawdown: feet

Observations/Comments: (i.e., equipment malfunctions, contamination sources, sampling difficulties; duplicate sample)

- Not used; no non-dedicated equipment used.

Form Completed By: Date:



Site Sampling Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 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 210771 Technician(s): justin colp Date: 10/29/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/29/24 8:53
7.0 Buffer	wc240913b	7.00	10/29/24 8:48
10.0 Buffer	wc240625b	10.00	10/29/24 8:59
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	10/29/24 9:04

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.04	10/29/24 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 μ S	Turbidity NTU	ORP mV	D.O. %
LCS-1-JC	LCS	10/29/24 9:11	20.7	7.02	1,414	0.04		
CCV-1-JC	CCV	10/29/24 14:20	24.8	6.98	1,422	0.05		

Comments: _____

Field Meter ID: Pine 210771 Technician(s): justin colp Date: 10/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/30/24 8:26
7.0 Buffer	wc240913b	7.00	10/30/24 8:21
10.0 Buffer	wc240625b	10.00	10/30/24 8:30
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	10/30/24 8:35

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.1	10/30/24 8:35
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-2-JC	LCS	10/30/24 8:38	20.8	7.02	1,416	0.09		
CCV-2-JC	CCV	10/30/24 14:47	24.8	7.02	1,427	0.05		

Comments: _____

Site Sampling Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 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 210771			Technician(s):	justin colp			Date:	10/31/2024		

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	10/31/24 8:35
7.0 Buffer	wc240913b	7.00	10/31/24 8:30
10.0 Buffer	wc240625b	10.00	10/31/24 8:40
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	10/31/24 8:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.04	10/31/24 8:46
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-JC	LCS	10/31/24 8:48	20.9	7.01	1,414	0.04		
CCV-3-JC	CCV	10/31/24 14:41	21.9	7.03	1,432	0.02		

Comments:

Field Meter ID:	Pine 210771			Technician(s):	justin colp			Date:	11/4/2024		

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/4/24 9:00
7.0 Buffer	wc240913b	7.00	11/4/24 8:54
10.0 Buffer	wc240625b	10.00	11/4/24 9:05
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	11/4/24 9:09

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.04	11/4/24 9:10
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-JC	LCS	11/4/24 9:12	20.7	6.99	1,411	0.05		
CCV-4-JC	CCV	11/4/24 14:14	23.1	7.04	1,419	0.11		

Comments:

Site Sampling Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 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 210771			Technician(s):	justin colp			Date:	11/6/2024		

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/6/24 8:41
7.0 Buffer	wc240913b	7.00	11/6/24 8:37
10.0 Buffer	wc240625b	10.00	11/6/24 8:45
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1412	11/6/24 8:51

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.23	11/6/24 8:51
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5-JC	LCS	11/6/24 8:55	15.2	6.98	1,414	0.21		
CCV-5-JC	CCV	11/6/24 14:19	18.8	7.04	1,428	0.42		

Comments: _____

Field Meter ID:	Pine 210771			Technician(s):	justin colp			Date:	11/7/2024		

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	11/7/24 9:55
7.0 Buffer	wc240913b	7.00	11/7/24 9:50
10.0 Buffer	wc240625b	10.00	11/7/24 10:01
LCS/CCV (7.0 Buffer)	wc240913c		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1413	11/7/24 10:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.29	11/7/24 10:06
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-JC	LCS	11/7/24 10:09	16.1	7.01	1,417	0.3		
CCV-6-JC	CCV	11/7/24 13:11	16.5	7.02	1,425	0.35		

Comments: _____

Site Sampling Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID: Pine 45720 Technician(s): Tracy Carroll Date: 11/4/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	11/4/24 10:26
7.0 Buffer	WC240913B	7.03	11/4/24 10:26
10.0 Buffer	WC24000625B	10.07	11/4/24 10:31
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	11/4/24 10:33

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.45	11/4/24 10:41
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-1-TC	LCS	11/4/24 10:43	19	7.09	1,411	0.45		
CCV-1-TC	CCV	11/4/24 14:38	19.6	7.09	1,433	0.99		

Comments: _____

Field Meter ID: Pine 45720 Technician(s): Tracy Carroll Date: 11/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	11/6/24 9:07
7.0 Buffer	WC240913B	7.00	11/6/24 9:05
10.0 Buffer	WC24000625B	10.00	11/6/24 9:19
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1413	11/6/24 9:21

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1		
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-2-TC	LCS	11/6/24 9:26	12.7	7.06	1,412	0.65		
CCV-2-TC	CCV	11/6/24 14:29	18.3	6.97	1,444	0.36		

Comments: _____

Site Sampling Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Field Temp SOP 1156 - SM 2550 B
Field pH SOP 1152 - SW-846 9040B - SM 4500-H B
Field Cond. SOP 1155 - SW-846 9050A - SM 2510 B

Field Meter ID:	Pine 45720	Technician(s):	Tracy Carroll	Date:	11/7/2024		
pH Standards	LIMS ID	Calibration reading	Date/Time	Conductivity Standard	LIMS ID	Reading	Date/Time
4.0 Buffer	WC240612A	4.02	11/7/24 12:37	1,412 µS Std.	100029	1412	11/7/24 12:41
7.0 Buffer	WC240913B	7.00	11/7/24 12:38	Turbidity Standard	LIMS ID	Reading	Date/Time
10.0 Buffer	WC24000625B	10.02	11/7/24 12:40	0 NTU (DI Water)	1		
LCS/CCV (7.0 Buffer)	WC240913C			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-TC	LCS	11/7/24 12:42	15.4	7.04	1,413	0.9		
CCV-3-TC	CCV	11/7/24 13:43	16.4	7.09	1,413	0.089		

Comments: _____

Site Sampling Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 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 210760 Technician(s): Brett Gillihan Date: 10/29/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	10/29/24 8:50
7.0 Buffer	WC240913B	7.00	10/29/24 8:54
10.0 Buffer	WC24000625B	10.00	10/29/24 8:58
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1412	10/29/24 9:01

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	10/29/24 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-1-BG	LCS	10/29/24 9:08	18.4	7.00	1,413	1.6		
CCV-1-BG	CCV	10/29/24 14:56	19.9	7.06	1,420	1.8		

Comments:

Field Meter ID: Pine 210760 Technician(s): Brett Gillihan Date: 10/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	10/30/24 8:35
7.0 Buffer	WC240913B	7.00	10/30/24 8:32
10.0 Buffer	WC240625B	10.02	10/30/24 8:38
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	100029	1418	10/30/24 8:40

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.7	10/30/24 8:43
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-2-BG	LCS	10/30/24 8:45	18.6	7.00	1,418	1.7		
CCV-2-BG	CCV	10/30/24 14:21	22.2	6.99	1,418	1.7		

Comments:

Site Sampling Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 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 210760		Technician(s):	Brett Gillihan		Date:	10/31/2024	

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	10/31/24 8:36
7.0 Buffer	WC240913B	6.99	10/31/24 8:32
10.0 Buffer	WC24000625B	9.98	10/31/24 8:40
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1419	10/31/24 8:42

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.3	10/31/24 8:45
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-BG	LCS	10/31/24 8:47	18.3	6.99	1,419	1.3		
CCV-3-BG	CCV	10/31/24 1517	20.3	7.00	1,419	1.3		

Comments:

Field Meter ID:	Pine 210760		Technician(s):	Brett Gillihan		Date:	11/4/2024	

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	11/4/24 9:18
7.0 Buffer	WC240913B	6.99	11/4/24 9:17
10.0 Buffer	WC24000625B	10.01	11/4/24 9:22
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	100029	1420	11/4/24 9:23

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.8	11/4/24 9:25
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-BG	LCS	11/4/24 9:28	17.1	7.00	1,419	1.3		
CCV-4-BG	CCV							

Comments:

Site Sampling Event: COF- 24Q4
LIMS Workorder: 24101589
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
COFFEEN- 4Q 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 210760 Technician(s): Brett Gillihan Date: 11/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.00	11/7/24 10:20
7.0 Buffer	WC240913B	6.98	11/7/24 10:17
10.0 Buffer	WC24000625B	10.01	11/7/24 10:23
LCS/CCV (7.0 Buffer)	WC240913C		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.		1412	11/7/24 10:31

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.7	11/7/24 10:35
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-BG	LCS	11/7/24 10:35	17.8	6.99	1,412	1.7		
CCV-5	CCV	11/7/24 10:19	18.6	7.06	1,418	1.9		

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 45720
Description YSI Pro DSS
Calibrated 10/22/2024 4:41:15PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot 19E101794
Number
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	7.58	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.57	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	11.50	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	4.19	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	121.34	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	1.247	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	269.50	240.00	0.00%	Pass

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

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45720
Description YSI Pro DSS
Calibrated 10/22/2024 4:41:15PM

Group # 5		Range Acc % 0.0000	
Group Name Dissolved Oxygen Span		Reading Acc % 3.0000	
Stated Accy Pct of Reading		Plus/Minus 0.00	
Nom In Val / In Val	In Type	Out Val	Out Type
100.00 / 100.00	%	100.00	%
End As	Lft As	Dev%	Pass/Fail
99.20	100.00	0.00%	Pass

Test Instruments Used During the Calibration					(As Of Cal Entry Date)	
Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date / Opened Date	Next Cal Date / Expiration Date
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 210760
Description YSI Pro DSS Sonde
Calibrated 10/24/2024 5:28:01PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103125
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	7.20	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.14	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.10	10.00	0.00%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.16	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	135.47	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	1.484	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	235.60	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 210760
Description YSI Pro DSS Sonde
Calibrated 10/24/2024 5:28:01PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>End As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.00 / 100.00	%	100.00	%	98.90	100.00	0.00%	Pass

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Next Cal Date /</u>	
					<u>Last Cal Date/</u>	<u>Expiration Date</u>
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

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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 210771
Description YSI Pro DSS
Calibrated 10/22/2024 4:43:35PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 22C103115
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications							
Group # 1				Range Acc % 0.0000			
Group Name PH				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.00	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	3.90	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.00	0.00%	Pass
Group # 2				Range Acc % 0.0000			
Group Name Turbidity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<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	-0.68	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	119.12	124.00	0.00%	Pass
Group # 3				Range Acc % 0.0000			
Group Name Conductivity				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.000			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.500	1.413	0.00%	Pass
Group # 4				Range Acc % 0.0000			
Group Name Redox (ORP)				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<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	230.90	240.00	0.00%	Pass
Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.00			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>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 210771
Description YSI Pro DSS
Calibrated 10/22/2024 4:43:35PM

Group # 5		Range Acc % 0.0000	
Group Name Dissolved Oxygen Span		Reading Acc % 3.0000	
Stated Accy Pct of Reading		Plus/Minus 0.00	
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>
100.00 / 100.00	%	100.00	%
		<u>End As</u>	<u>Lft As</u>
		96.50	100.00
		<u>Dev%</u>	<u>Pass/Fail</u>
		0.00%	Pass

<u>Test Instruments Used During the Calibration</u>					<u>(As Of Cal Entry Date)</u>	
<u>Test Standard ID</u>	<u>Description</u>	<u>Manufacturer</u>	<u>Model Number</u>	<u>Serial Number / Lot Number</u>	<u>Last Cal Date / Opened Date</u>	<u>Next Cal Date / Expiration Date</u>
STL 126NTU L#24E24011653	STL 126 NTU L#24E24011653	YSI	126 NTU	24E24011653		5/25/2025
STL 1413 COND L#4GB0749	STL 1413 COND L#4GB0749	AquaPhoenix Scientific	31986	4GB0749		2/25/2025
STL AUTOCAL LOT#24014218	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24014218		9/25/2025
STL ORP SOLUTION 240MV L#4GG0438	STL ORP SOLUTION 240MV L#4GG0438	AquaPhoenix Scientific	ORP Solution	4GG0438		4/25/2025
STL PH10 #4GB0253	STL PH10 #4GB0253	Absolute Accuracy	PH 10	4GB0253		2/25/2026
STL PH4 L#4GB0637	STL pH4 L#4GB0637	AquaPhoenix Scientific	pH 4	4GB0637		2/25/2026
STL PH7 L#4GG1129	STL PH7 L#4GG1129	AquaPhoenix Scientific	PH7	4GG1129		7/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Austin Carter

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance

December 19, 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-24Q4

WorkOrder: 24101589

Dear Eric Bauer:

TEKLAB, INC received 15 samples for COF_845_103 on 11/7/2024 3:33:00 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: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-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	24
Quality Control Results	25
Receiving Check List	195
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-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: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

Cooler Receipt Temp: 14.9 °C

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

Equipment Blanks were not needed (dedicated equipment, only, was employed).

Per Eric Bauer's request, only COF_845_103 data is included in this report. EAH 12/19/24

Locations

Collinsville

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Collinsville, IL 62234-7425
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Email jhriley@teklabinc.com

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Accreditations

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-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	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-027

Client Sample ID: G200

Matrix: GROUNDWATER

Collection Date: 10/29/2024 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.22	ft	1	10/29/2024 12:33	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.0	NTU	1	10/29/2024 12:33	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-14	mV	1	10/29/2024 12:33	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		816	µS/cm	1	10/29/2024 12:33	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		21.4	°C	1	10/29/2024 12:33	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.87	mg/L	1	10/29/2024 12:33	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.87		1	10/29/2024 12:33	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		304	mg/L	1	10/30/2024 13:05	R355430
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/30/2024 13:05	R355430
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		558	mg/L	1	11/04/2024 15:21	R355707
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.24	mg/L	10	10/30/2024 13:52	R355359
Chloride	NELAP	1.00	5.00		48.3	mg/L	10	10/30/2024 13:52	R355359
Sulfate	NELAP	3.00	10.0		103	mg/L	10	10/30/2024 13:52	R355359
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	77.0	mg/L	1	11/05/2024 15:39	230530
Magnesium	NELAP	0.006	0.050		36.0	mg/L	1	11/05/2024 15:39	230530
Potassium	NELAP	0.040	0.100		0.808	mg/L	1	11/05/2024 15:39	230530
Sodium	NELAP	0.018	0.050	S	69.3	mg/L	1	11/05/2024 15:39	230530
<i>Matrix spike control limits are not applicable due to high sample/spike ratio.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	S	5.5	µg/L	5	11/18/2024 9:53	230530
Arsenic	NELAP	0.4	1.0	J	0.7	µg/L	5	11/01/2024 20:27	230530
Barium	NELAP	0.7	1.0		52.4	µg/L	5	11/01/2024 20:27	230530
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/01/2024 20:27	230530
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	11/01/2024 20:27	230530
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/01/2024 20:27	230530
Chromium	NELAP	0.7	1.5		25.6	µg/L	5	11/06/2024 17:21	230530
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	11/06/2024 17:21	230530
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/01/2024 20:27	230530
Lithium	*	1.4	3.0		6.6	µg/L	5	11/01/2024 20:27	230530
Molybdenum	NELAP	0.6	1.5	J	1.4	µg/L	5	11/01/2024 20:27	230530
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	12/11/2024 13:30	232040
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/01/2024 20:27	230530
<i>Matrix spike did not recover within control limits due to sample composition. Verified by bench spike.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	10/31/2024 17:34	230470



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-028

Client Sample ID: G206

Matrix: GROUNDWATER

Collection Date: 10/31/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.00	ft	1	10/31/2024 14:12	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		15	NTU	1	10/31/2024 14:12	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-209	mV	1	10/31/2024 14:12	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		833	µS/cm	1	10/31/2024 14:12	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.0	°C	1	10/31/2024 14:12	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.94	mg/L	1	10/31/2024 14:12	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		7.09		1	10/31/2024 14:12	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		283	mg/L	1	11/04/2024 12:12	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 12:12	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		552	mg/L	1	11/06/2024 13:51	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.22	mg/L	10	11/01/2024 19:38	R355512
Chloride	NELAP	1.00	5.00		23.2	mg/L	10	11/01/2024 19:38	R355512
Sulfate	NELAP	3.00	10.0		156	mg/L	10	11/01/2024 19:38	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		94.7	mg/L	1	11/04/2024 17:48	230585
Magnesium	NELAP	0.006	0.050		37.8	mg/L	1	11/05/2024 14:50	230585
Potassium	NELAP	0.040	0.100		2.98	mg/L	1	11/04/2024 17:48	230585
Sodium	NELAP	0.018	0.050		50.6	mg/L	1	11/04/2024 17:48	230585
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 17:08	230585
Arsenic	NELAP	0.4	1.0		1.9	µg/L	5	11/12/2024 20:37	230585
Barium	NELAP	0.7	1.0		72.7	µg/L	5	11/12/2024 20:37	230585
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 22:09	230585
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	11/08/2024 22:09	230585
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/13/2024 20:32	230585
Chromium	NELAP	0.7	1.5	J	1.0	µg/L	5	11/08/2024 22:09	230585
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	11/08/2024 22:09	230585
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 22:09	230585
Lithium	*	1.4	3.0	J	2.7	µg/L	5	11/08/2024 22:09	230585
Molybdenum	NELAP	0.6	1.5	J	0.9	µg/L	5	11/15/2024 6:44	230585
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/12/2024 20:37	230585
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 22:09	230585
<i>Contamination present in the CCB for Mo. Sample results below the reporting limit are reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 14:47	230599



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-029

Client Sample ID: G206D

Matrix: GROUNDWATER

Collection Date: 10/31/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		26.92	ft	1	10/31/2024 13:52	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		49	NTU	1	10/31/2024 13:52	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-174	mV	1	10/31/2024 13:52	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		910	µS/cm	1	10/31/2024 13:52	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		15.4	°C	1	10/31/2024 13:52	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.06	mg/L	1	10/31/2024 13:52	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		7.28		1	10/31/2024 13:52	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		420	mg/L	1	11/04/2024 12:52	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 12:52	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		602	mg/L	1	11/06/2024 13:52	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		0.78	mg/L	10	11/01/2024 20:25	R355512
Chloride	NELAP	1.00	5.00		16.8	mg/L	10	11/01/2024 20:25	R355512
Sulfate	NELAP	3.00	10.0		82.1	mg/L	10	11/01/2024 20:25	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		80.8	mg/L	1	11/04/2024 17:49	230585
Magnesium	NELAP	0.006	0.050		30.7	mg/L	1	11/05/2024 14:51	230585
Potassium	NELAP	0.040	0.100		1.17	mg/L	1	11/04/2024 17:49	230585
Sodium	NELAP	0.018	0.050		98.5	mg/L	1	11/04/2024 17:49	230585
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 17:14	230585
Arsenic	NELAP	0.4	1.0		11.7	µg/L	5	11/12/2024 20:43	230585
Barium	NELAP	0.7	1.0		224	µg/L	5	11/12/2024 20:43	230585
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 22:40	230585
Boron	NELAP	9.2	20.0		123	µg/L	5	11/08/2024 22:40	230585
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/13/2024 20:38	230585
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	11/08/2024 22:40	230585
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	11/08/2024 22:40	230585
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 22:40	230585
Lithium	*	1.4	3.0	J	1.9	µg/L	5	11/08/2024 22:40	230585
Molybdenum	NELAP	0.6	1.5		2.5	µg/L	5	11/13/2024 20:38	230585
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/12/2024 20:43	230585
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 22:40	230585
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 15:01	230599



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-032

Client Sample ID: G209

Matrix: GROUNDWATER

Collection Date: 10/31/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		15.20	ft	1	10/31/2024 13:04	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.8	NTU	1	10/31/2024 13:04	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-86	mV	1	10/31/2024 13:04	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1190	µS/cm	1	10/31/2024 13:04	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.8	°C	1	10/31/2024 13:04	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.04	mg/L	1	10/31/2024 13:04	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.85		1	10/31/2024 13:04	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		401	mg/L	1	11/04/2024 12:39	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 12:39	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		798	mg/L	1	11/06/2024 13:52	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.28	mg/L	10	11/01/2024 21:11	R355512
Chloride	NELAP	1.00	5.00		53.1	mg/L	10	11/01/2024 21:11	R355512
Sulfate	NELAP	3.00	10.0		241	mg/L	10	11/01/2024 21:11	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		146	mg/L	1	11/04/2024 17:50	230585
Magnesium	NELAP	0.006	0.050		51.9	mg/L	1	11/05/2024 14:52	230585
Potassium	NELAP	0.040	0.100		0.652	mg/L	1	11/04/2024 17:50	230585
Sodium	NELAP	0.018	0.050		73.4	mg/L	1	11/04/2024 17:50	230585
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 17:50	230585
Arsenic	NELAP	0.4	1.0		1.4	µg/L	5	11/12/2024 20:55	230585
Barium	NELAP	0.7	1.0		65.6	µg/L	5	11/12/2024 20:55	230585
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 22:52	230585
Boron	NELAP	9.2	20	J	11	µg/L	5	11/08/2024 22:52	230585
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/13/2024 21:32	230585
Chromium	NELAP	0.7	1.5	J	0.7	µg/L	5	11/08/2024 22:52	230585
Cobalt	NELAP	0.1	1.0	J	0.4	µg/L	5	11/08/2024 22:52	230585
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 22:52	230585
Lithium	*	1.4	3.0		5.4	µg/L	5	11/08/2024 22:52	230585
Molybdenum	NELAP	0.6	1.5		2.7	µg/L	5	11/13/2024 21:32	230585
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/12/2024 20:55	230585
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 22:52	230585
CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 15:12	230599



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-035

Client Sample ID: G212

Matrix: GROUNDWATER

Collection Date: 10/31/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		17.14	ft	1	10/31/2024 11:05	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		100	NTU	1	10/31/2024 11:05	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		13	mV	1	10/31/2024 11:05	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		647	µS/cm	1	10/31/2024 11:05	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.7	°C	1	10/31/2024 11:05	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.59	mg/L	1	10/31/2024 11:05	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.73		1	10/31/2024 11:05	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		234	mg/L	1	11/04/2024 12:18	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 12:18	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		464	mg/L	1	11/06/2024 14:05	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/01/2024 21:46	R355512
Chloride	NELAP	1.00	5.00		47.2	mg/L	10	11/01/2024 21:46	R355512
Sulfate	NELAP	3.00	10.0		57.2	mg/L	10	11/01/2024 21:46	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	51.1	mg/L	1	11/04/2024 17:55	230585
Magnesium	NELAP	0.006	0.050	S	25.4	mg/L	1	11/05/2024 14:58	230585
Potassium	NELAP	0.040	0.100		0.598	mg/L	1	11/04/2024 17:55	230585
Sodium	NELAP	0.018	0.050	S	58.0	mg/L	1	11/04/2024 17:55	230585

Matrix spike control limits are not applicable due to high sample/spike ratio.

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 18:26	230585
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	11/13/2024 3:10	230585
Barium	NELAP	0.7	1.0		57.0	µg/L	5	11/13/2024 3:10	230585
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 23:22	230585
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	11/08/2024 23:22	230585
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/13/2024 20:50	230585
Chromium	NELAP	0.7	1.5		6.8	µg/L	5	11/08/2024 23:22	230585
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	11/08/2024 23:22	230585
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 23:22	230585
Lithium	*	1.4	3.0	J	1.5	µg/L	5	11/08/2024 23:22	230585
Molybdenum	NELAP	0.6	1.5	JS	0.8	µg/L	5	11/13/2024 20:50	230585
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/13/2024 3:10	230585
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 23:22	230585

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

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

CCV recovered outside the 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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101589-035
Matrix: GROUNDWATER

Work Order: 24101589
Report Date: 19-Dec-24
Client Sample ID: G212
Collection Date: 10/31/2024 11:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 15:30	230599



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-036

Client Sample ID: G213

Matrix: GROUNDWATER

Collection Date: 10/31/2024 11:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		16.61	ft	1	10/31/2024 11:37	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		160	NTU	1	10/31/2024 11:37	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		24	mV	1	10/31/2024 11:37	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		627	µS/cm	1	10/31/2024 11:37	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.6	°C	1	10/31/2024 11:37	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.54	mg/L	1	10/31/2024 11:37	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.67		1	10/31/2024 11:37	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		215	mg/L	1	11/04/2024 12:06	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 12:06	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		470	mg/L	1	11/06/2024 14:05	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/01/2024 21:58	R355512
Chloride	NELAP	1.00	5.00		49.3	mg/L	10	11/01/2024 21:58	R355512
Sulfate	NELAP	3.00	10.0		61.3	mg/L	10	11/01/2024 21:58	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		67.0	mg/L	1	11/04/2024 17:58	230585
Magnesium	NELAP	0.006	0.050		31.6	mg/L	1	11/05/2024 15:00	230585
Potassium	NELAP	0.040	0.100		0.486	mg/L	1	11/04/2024 17:58	230585
Sodium	NELAP	0.018	0.050		36.6	mg/L	1	11/04/2024 17:58	230585
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 18:08	230585
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	11/13/2024 2:28	230585
Barium	NELAP	0.7	1.0		54.1	µg/L	5	11/13/2024 2:28	230585
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 23:10	230585
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	11/08/2024 23:10	230585
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/13/2024 21:50	230585
Chromium	NELAP	0.7	1.5	J	0.9	µg/L	5	11/08/2024 23:10	230585
Cobalt	NELAP	0.1	1.0	J	0.1	µg/L	5	11/08/2024 23:10	230585
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 23:10	230585
Lithium	*	1.4	3.0		3.3	µg/L	5	11/08/2024 23:10	230585
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	11/13/2024 21:50	230585
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/13/2024 2:28	230585
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 23:10	230585
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 15:35	230599



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-038

Client Sample ID: G215

Matrix: GROUNDWATER

Collection Date: 10/31/2024 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.00	ft	1	10/31/2024 11:41	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		65	NTU	1	10/31/2024 11:41	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-36	mV	1	10/31/2024 11:41	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1730	µS/cm	1	10/31/2024 11:41	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.5	°C	1	10/31/2024 11:41	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.28	mg/L	1	10/31/2024 11:41	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.79		1	10/31/2024 11:41	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		348	mg/L	1	11/04/2024 12:45	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 12:45	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1330	mg/L	1	11/06/2024 14:05	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/01/2024 22:56	R355512
Chloride	NELAP	1.00	5.00		139	mg/L	10	11/01/2024 22:56	R355512
Sulfate	NELAP	3.00	10.0		569	mg/L	10	11/01/2024 22:56	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		169	mg/L	1	11/04/2024 17:51	230585
Magnesium	NELAP	0.006	0.050		93.5	mg/L	1	11/05/2024 15:00	230585
Potassium	NELAP	0.040	0.100		4.68	mg/L	1	11/04/2024 17:51	230585
Sodium	NELAP	0.018	0.050		88.6	mg/L	1	11/04/2024 17:51	230585
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 18:20	230585
Arsenic	NELAP	0.4	1.0		3.1	µg/L	5	11/13/2024 2:40	230585
Barium	NELAP	0.7	1.0		38.6	µg/L	5	11/13/2024 2:40	230585
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/09/2024 0:35	230585
Boron	NELAP	9.2	20.0		699	µg/L	5	11/09/2024 0:35	230585
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/13/2024 22:02	230585
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	11/09/2024 0:35	230585
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	11/09/2024 0:35	230585
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/09/2024 0:35	230585
Lithium	*	1.4	3.0		8.8	µg/L	5	11/09/2024 0:35	230585
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	11/13/2024 22:02	230585
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/13/2024 2:40	230585
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/09/2024 0:35	230585
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 15:44	230599



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-040

Client Sample ID: G217

Matrix: GROUNDWATER

Collection Date: 10/31/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.86	ft	1	10/31/2024 10:53	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		73	NTU	1	10/31/2024 10:53	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-90	mV	1	10/31/2024 10:53	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1690	µS/cm	1	10/31/2024 10:53	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.3	°C	1	10/31/2024 10:53	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.12	mg/L	1	10/31/2024 10:53	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.73		1	10/31/2024 10:53	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		281	mg/L	1	11/04/2024 13:35	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 13:35	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1390	mg/L	1	11/06/2024 14:06	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/01/2024 23:20	R355512
Chloride	NELAP	1.00	5.00		150	mg/L	10	11/01/2024 23:20	R355512
Sulfate	NELAP	3.00	10.0		554	mg/L	10	11/01/2024 23:20	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		220	mg/L	1	11/04/2024 17:51	230585
Magnesium	NELAP	0.006	0.050		86.9	mg/L	1	11/05/2024 15:01	230585
Potassium	NELAP	0.040	0.100		0.753	mg/L	1	11/04/2024 17:51	230585
Sodium	NELAP	0.018	0.050		86.2	mg/L	1	11/04/2024 17:51	230585
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 19:39	230585
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	11/13/2024 2:52	230585
Barium	NELAP	0.7	1.0		67.6	µg/L	5	11/13/2024 2:52	230585
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/09/2024 0:47	230585
Boron	NELAP	9.2	20.0		57.1	µg/L	5	11/09/2024 0:47	230585
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/13/2024 23:15	230585
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	11/09/2024 0:47	230585
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	11/09/2024 0:47	230585
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/09/2024 0:47	230585
Lithium	*	1.4	3.0		3.9	µg/L	5	11/09/2024 0:47	230585
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	11/15/2024 19:39	230585
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/13/2024 2:52	230585
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/09/2024 0:47	230585
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 10:38	230607



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-041

Client Sample ID: G218

Matrix: GROUNDWATER

Collection Date: 10/31/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		17.05	ft	1	10/31/2024 10:25	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		20	NTU	1	10/31/2024 10:25	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-149	mV	1	10/31/2024 10:25	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1700	µS/cm	1	10/31/2024 10:25	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.2	°C	1	10/31/2024 10:25	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.16	mg/L	1	10/31/2024 10:25	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.72		1	10/31/2024 10:25	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		312	mg/L	1	11/04/2024 12:59	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 12:59	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33		1460	mg/L	1.67	11/06/2024 14:07	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/01/2024 23:31	R355512
Chloride	NELAP	1.00	5.00		143	mg/L	10	11/01/2024 23:31	R355512
Sulfate	NELAP	3.00	10.0		534	mg/L	10	11/01/2024 23:31	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		210	mg/L	1	11/04/2024 18:20	230586
Magnesium	NELAP	0.006	0.050		84.0	mg/L	1	11/04/2024 18:20	230586
Potassium	NELAP	0.040	0.100		0.968	mg/L	1	11/04/2024 18:20	230586
Sodium	NELAP	0.018	0.050		80.9	mg/L	1	11/04/2024 18:20	230586
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 16:32	230586
Arsenic	NELAP	0.4	1.0		2.8	µg/L	5	11/12/2024 17:41	230586
Barium	NELAP	0.7	1.0		72.8	µg/L	5	11/15/2024 4:04	230586
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 20:09	230586
Boron	NELAP	9.2	20.0		49.5	µg/L	5	11/12/2024 17:41	230586
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/12/2024 17:41	230586
Chromium	NELAP	0.7	1.5		1.9	µg/L	5	11/08/2024 20:09	230586
Cobalt	NELAP	0.1	1.0		1.3	µg/L	5	11/08/2024 20:09	230586
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 20:09	230586
Lithium	*	1.4	3.0		5.4	µg/L	5	11/08/2024 20:09	230586
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	11/13/2024 17:42	230586
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/12/2024 17:41	230586
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 20:09	230586
<i>Sample result for Al exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>CCV recovered outside the upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 10:52	230607



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101589-085
Matrix: LEACHATE

Work Order: 24101589
Report Date: 19-Dec-24

Client Sample ID: NE Riser

Collection Date: 11/07/2024 10:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		19.58	ft	1	11/07/2024 10:47	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		14	NTU	1	11/07/2024 10:47	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		212	mV	1	11/07/2024 10:47	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		12600	µS/cm	1	11/07/2024 10:47	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.4	°C	1	11/07/2024 10:47	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		4.87	mg/L	1	11/07/2024 10:47	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.47		1	11/07/2024 10:47	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		52	mg/L	1	11/11/2024 9:45	R355953
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/11/2024 9:45	R355953
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	800	1000		9000	mg/L	50	11/13/2024 14:32	R356185
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	2.00	5.00		25.0	mg/L	100	11/08/2024 23:13	R355845
Chloride	NELAP	10.0	50.0		1480	mg/L	100	11/08/2024 23:13	R355845
Sulfate	NELAP	30.0	100		10300	mg/L	100	11/08/2024 23:13	R355845
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		529	mg/L	1	11/11/2024 16:23	230949
Magnesium	NELAP	0.275	2.50		911	mg/L	50	11/13/2024 11:22	230949
Potassium	NELAP	2.00	5.00		112	mg/L	50	11/13/2024 11:22	230949
Sodium	NELAP	0.018	0.050	B	446	mg/L	1	11/11/2024 16:23	230949
<i>Sample result(s) for Na exceed 10 times the method blank contamination. Data is reportable per the TNI Standard.</i>									
<i>Sample result(s) for Na exceed 10 times the CCB. Data is reportable per the TNI Standard.</i>									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.5	µg/L	5	11/16/2024 9:16	230949
Arsenic	NELAP	0.4	1.0		2.5	µg/L	5	11/15/2024 0:38	230949
Barium	NELAP	0.7	1.0		43.8	µg/L	5	11/19/2024 5:11	230949
Beryllium	NELAP	0.2	1.0	J	0.3	µg/L	5	11/15/2024 0:38	230949
Boron	NELAP	9.2	20.0		39000	µg/L	5	11/15/2024 0:38	230949
Cadmium	NELAP	0.2	1.0		1.8	µg/L	5	11/15/2024 0:38	230949
Chromium	NELAP	0.7	1.5	J	1.4	µg/L	5	11/15/2024 0:38	230949
Cobalt	NELAP	0.1	1.0		3.0	µg/L	5	11/15/2024 0:38	230949
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/16/2024 9:16	230949
Lithium	*	1.4	3.0		165	µg/L	5	11/15/2024 0:38	230949
Molybdenum	NELAP	0.6	1.5		38.1	µg/L	5	11/16/2024 9:16	230949
Selenium	NELAP	0.6	1.0		620	µg/L	5	11/15/2024 0:38	230949
Thallium	NELAP	1.0	2.0		2.3	µg/L	5	11/15/2024 0:38	230949
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	S	< 0.20	µg/L	1	11/12/2024 16:43	230944



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101589
Client Project: COF-24Q4	Report Date: 19-Dec-24
Lab ID: 24101589-085	Client Sample ID: NE Riser
Matrix: LEACHATE	Collection Date: 11/07/2024 10:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Matrix spike did not recover within control limits due to matrix interference. Verified by bench spike.									



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-087

Client Sample ID: R201

Matrix: GROUNDWATER

Collection Date: 10/30/2024 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.49	ft	1	10/30/2024 14:10	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		21	NTU	1	10/30/2024 14:10	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-100	mV	1	10/30/2024 14:10	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1050	µS/cm	1	10/30/2024 14:10	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.1	°C	1	10/30/2024 14:10	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.46	mg/L	1	10/30/2024 14:10	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.78		1	10/30/2024 14:10	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		358	mg/L	1	10/31/2024 11:23	R355498
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/31/2024 11:23	R355498
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	27	33		695	mg/L	1.67	11/04/2024 15:34	R355707
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.23	mg/L	10	10/31/2024 19:35	R355425
Chloride	NELAP	1.00	5.00		65.6	mg/L	10	10/31/2024 19:35	R355425
Sulfate	NELAP	3.00	10.0		165	mg/L	10	10/31/2024 19:35	R355425
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		108	mg/L	1	11/04/2024 17:41	230588
Magnesium	NELAP	0.006	0.050		43.2	mg/L	1	11/04/2024 17:41	230588
Potassium	NELAP	0.040	0.100		0.940	mg/L	1	11/04/2024 17:41	230588
Sodium	NELAP	0.018	0.050		103	mg/L	1	11/05/2024 17:10	230588
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 15:25	230588
Arsenic	NELAP	0.4	1.0		2.9	µg/L	5	11/08/2024 19:45	230588
Barium	NELAP	0.7	1.0		98.6	µg/L	5	11/15/2024 3:52	230588
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 19:45	230588
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	11/08/2024 19:45	230588
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 19:45	230588
Chromium	NELAP	0.7	1.5		3.1	µg/L	5	11/08/2024 19:45	230588
Cobalt	NELAP	0.1	1.0		1.2	µg/L	5	11/08/2024 19:45	230588
Lead	NELAP	0.6	1.0		1.4	µg/L	5	11/08/2024 19:45	230588
Lithium	*	1.4	3.0		3.8	µg/L	5	11/08/2024 19:45	230588
Molybdenum	NELAP	0.6	1.5	J	1.4	µg/L	5	11/08/2024 19:45	230588
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 19:45	230588
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 19:45	230588
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 13:36	230598



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101589-095
Matrix: AQUEOUS

Work Order: 24101589
Report Date: 19-Dec-24

Client Sample ID: Field Blank

Collection Date: 11/07/2024 12:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		1	mg/L	1	11/11/2024 9:42	R355953
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/11/2024 9:42	R355953
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		< 20	mg/L	1	11/12/2024 14:45	R356118
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/08/2024 23:36	R355845
Chloride	NELAP	1.00	5.00		ND	mg/L	10	11/08/2024 23:36	R355845
Sulfate	NELAP	3.00	10.0		ND	mg/L	10	11/08/2024 23:36	R355845
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		< 0.100	mg/L	1	11/11/2024 16:21	230949
Magnesium	NELAP	0.006	0.050		< 0.050	mg/L	1	11/11/2024 16:21	230949
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	11/13/2024 11:18	230949
Sodium	NELAP	0.018	0.050	B	< 0.050	mg/L	1	11/13/2024 11:18	230949
Contamination present in the MBLK for Na. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/16/2024 9:28	230949
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 0:50	230949
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	11/19/2024 5:23	230949
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/15/2024 0:50	230949
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	12/11/2024 12:53	232040
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/15/2024 0:50	230949
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	11/15/2024 0:50	230949
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	11/15/2024 0:50	230949
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/16/2024 9:28	230949
Lithium	*	1.4	3.0		< 3.0	µg/L	5	11/15/2024 0:50	230949
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	11/16/2024 9:28	230949
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/15/2024 0:50	230949
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/15/2024 0:50	230949
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/12/2024 17:00	230944



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101589-097
Matrix: GROUNDWATER

Work Order: 24101589
Report Date: 19-Dec-24
Client Sample ID: G200 Duplicate
Collection Date: 10/29/2024 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.22	ft	1	10/29/2024 12:33	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.0	NTU	1	10/29/2024 12:33	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-14	mV	1	10/29/2024 12:33	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		816	µS/cm	1	10/29/2024 12:33	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		21.4	°C	1	10/29/2024 12:33	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.87	mg/L	1	10/29/2024 12:33	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.87		1	10/29/2024 12:33	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		299	mg/L	1	10/30/2024 13:21	R355430
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/30/2024 13:21	R355430
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		600	mg/L	1	11/04/2024 15:49	R355707
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	10/30/2024 14:38	R355359
Chloride	NELAP	1.00	5.00		68.8	mg/L	10	10/30/2024 14:38	R355359
Sulfate	NELAP	3.00	10.0		107	mg/L	10	10/30/2024 14:38	R355359
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		88.6	mg/L	1	11/04/2024 17:43	230588
Magnesium	NELAP	0.006	0.050		39.6	mg/L	1	11/04/2024 17:43	230588
Potassium	NELAP	0.040	0.100		0.610	mg/L	1	11/04/2024 17:43	230588
Sodium	NELAP	0.018	0.050		60.8	mg/L	1	11/05/2024 17:12	230588
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 15:37	230588
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	11/08/2024 19:02	230588
Barium	NELAP	0.7	1.0		73.3	µg/L	5	11/15/2024 4:22	230588
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 19:02	230588
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	11/08/2024 19:02	230588
Cadmium	NELAP	0.2	1.0	S	< 1.0	µg/L	5	11/08/2024 19:02	230588
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	11/08/2024 19:02	230588
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	11/08/2024 19:02	230588
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 19:02	230588
Lithium	*	1.4	3.0		6.2	µg/L	5	11/08/2024 19:02	230588
Molybdenum	NELAP	0.6	1.5	S	< 1.5	µg/L	5	11/08/2024 19:02	230588
Selenium	NELAP	0.6	1.0		2.1	µg/L	5	11/08/2024 19:02	230588
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 19:02	230588
<i>Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.</i>									
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 13:50	230598



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101589-098
Matrix: GROUNDWATER

Work Order: 24101589
Report Date: 19-Dec-24
Client Sample ID: G217 Duplicate
Collection Date: 10/31/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		18.86	ft	1	10/31/2024 10:53	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		73	NTU	1	10/31/2024 10:53	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-90	mV	1	10/31/2024 10:53	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1690	µS/cm	1	10/31/2024 10:53	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.3	°C	1	10/31/2024 10:53	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.12	mg/L	1	10/31/2024 10:53	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.73		1	10/31/2024 10:53	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		284	mg/L	1	11/04/2024 13:28	R355638
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	11/04/2024 13:28	R355638
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1450	mg/L	1	11/06/2024 14:29	R355835
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50		ND	mg/L	10	11/01/2024 14:35	R355512
Chloride	NELAP	1.00	5.00		149	mg/L	10	11/01/2024 14:35	R355512
Sulfate	NELAP	3.00	10.0		556	mg/L	10	11/01/2024 14:35	R355512
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		213	mg/L	1	11/04/2024 17:48	230588
Magnesium	NELAP	0.006	0.050		83.7	mg/L	1	11/04/2024 17:48	230588
Potassium	NELAP	0.040	0.100		0.723	mg/L	1	11/04/2024 17:48	230588
Sodium	NELAP	0.018	0.050		86.1	mg/L	1	11/05/2024 17:29	230588
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 16:20	230588
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	11/08/2024 19:57	230588
Barium	NELAP	0.7	1.0		85.1	µg/L	5	11/15/2024 4:16	230588
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 19:57	230588
Boron	NELAP	9.2	20.0		53.4	µg/L	5	11/08/2024 19:57	230588
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 19:57	230588
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	11/08/2024 19:57	230588
Cobalt	NELAP	0.1	1.0	J	0.3	µg/L	5	11/08/2024 19:57	230588
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 19:57	230588
Lithium	*	1.4	3.0		4.2	µg/L	5	11/08/2024 19:57	230588
Molybdenum	NELAP	0.6	1.5	J	0.6	µg/L	5	11/08/2024 19:57	230588
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 19:57	230588
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 19:57	230588
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 11:23	230607



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab ID: 24101589-100

Client Sample ID: R201 Duplicate

Matrix: GROUNDWATER

Collection Date: 10/30/2024 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.49	ft	1	10/30/2024 14:10	R356135
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		21	NTU	1	10/30/2024 14:10	R356135
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-2000	-2000		-100	mV	1	10/30/2024 14:10	R356135
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1050	µS/cm	1	10/30/2024 14:10	R356135
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.1	°C	1	10/30/2024 14:10	R356135
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.46	mg/L	1	10/30/2024 14:10	R356135
SW-846 9040B FIELD									
pH	*	0	1.00		6.78		1	10/30/2024 14:10	R356135
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		358	mg/L	1	10/31/2024 11:30	R355498
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	10/31/2024 11:30	R355498
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	778	mg/L	1	11/06/2024 14:30	R355835
Sample analysis did not meet hold time requirements.									
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	NELAP	0.20	0.50	J	0.25	mg/L	10	10/31/2024 19:58	R355425
Chloride	NELAP	1.00	5.00		65.6	mg/L	10	10/31/2024 19:58	R355425
Sulfate	NELAP	3.00	10.0		162	mg/L	10	10/31/2024 19:58	R355425
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		103	mg/L	1	11/04/2024 17:49	230588
Magnesium	NELAP	0.006	0.050		41.3	mg/L	1	11/04/2024 17:49	230588
Potassium	NELAP	0.040	0.100		0.895	mg/L	1	11/04/2024 17:49	230588
Sodium	NELAP	0.018	0.050		99.2	mg/L	1	11/05/2024 17:31	230588
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	11/15/2024 16:26	230588
Arsenic	NELAP	0.4	1.0		1.2	µg/L	5	11/08/2024 20:03	230588
Barium	NELAP	0.7	1.0		89.7	µg/L	5	11/15/2024 5:05	230588
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 20:03	230588
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	11/08/2024 20:03	230588
Cadmium	NELAP	0.2	1.0		< 1.0	µg/L	5	11/08/2024 20:03	230588
Chromium	NELAP	0.7	1.5		1.7	µg/L	5	11/08/2024 20:03	230588
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	11/08/2024 20:03	230588
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 20:03	230588
Lithium	*	1.4	3.0		3.5	µg/L	5	11/08/2024 20:03	230588
Molybdenum	NELAP	0.6	1.5	J	0.7	µg/L	5	11/08/2024 20:03	230588
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	11/08/2024 20:03	230588
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	11/08/2024 20:03	230588
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	11/04/2024 13:59	230598



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24101589-027	G200	Groundwater	6	10/29/2024 12:33
24101589-028	G206	Groundwater	6	10/31/2024 14:12
24101589-029	G206D	Groundwater	2	10/31/2024 13:52
24101589-032	G209	Groundwater	6	10/31/2024 13:04
24101589-035	G212	Groundwater	6	10/31/2024 11:05
24101589-036	G213	Groundwater	6	10/31/2024 11:37
24101589-038	G215	Groundwater	6	10/31/2024 11:41
24101589-040	G217	Groundwater	6	10/31/2024 10:53
24101589-041	G218	Groundwater	6	10/31/2024 10:25
24101589-085	NE Riser	Leachate	3	11/07/2024 10:47
24101589-087	R201	Groundwater	6	10/30/2024 14:10
24101589-095	Field Blank	Aqueous	13	11/07/2024 12:55
24101589-097	G200 Duplicate	Groundwater	6	10/29/2024 12:33
24101589-098	G217 Duplicate	Groundwater	6	10/31/2024 10:53
24101589-100	R201 Duplicate	Groundwater	6	10/30/2024 14:10



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

STANDARD METHODS 2510 B FIELD

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-BG											
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	10/29/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-JC											
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	10/29/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-1-TC											
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	11/04/2024

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	10/30/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-JC											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Spec. Conductance, Field		*	0		1420	1412	0	100.3	90	110	10/30/2024

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-TC											
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	11/06/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-3-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.5	90	110	10/31/2024	

Batch R356135		SampType: LCS		Units μS/cm							
SampID: LCS-3-JC											
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	10/31/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

STANDARD METHODS 2510 B FIELD

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-3-TC											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Spec. Conductance, Field	*	0		1410	1412	0	100.1	90	110	11/07/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-4-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.5	90	110	11/04/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-4-JC											
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	11/04/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-5-BG											
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	11/07/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-5-JC											
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	11/06/2024	

Batch R356135		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-6-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1420	1412	0	100.4	90	110	11/07/2024	

SW-846 9040B FIELD

Batch R356135		SampType: LCS		Units							
SampID: LCS-1-BG											
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	10/29/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9040B FIELD

Batch R356135		SampType: LCS		Units							
SampID: LCS-1-JC											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.02	7.000	0	100.3	98.57	101.4	10/29/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-1-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.09	7.000	0	101.3	98.57	101.4	11/04/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-2-BG											
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	10/30/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-2-JC											
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	10/30/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-2-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.06	7.000	0	100.9	98.57	101.4	11/06/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-3-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.99	7.000	0	99.9	98.57	101.4	10/31/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-3-JC											
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	10/31/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-3-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.04	7.000	0	100.6	98.57	101.4	11/07/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9040B FIELD

Batch R356135		SampType: LCS		Units							
SampID: LCS-4-BG											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	11/04/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-4-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.99	7.000	0	99.9	98.57	101.4	11/04/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-5-BG											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.99	7.000	0	99.9	98.57	101.4	11/07/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-5-JC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		6.98	7.000	0	99.7	98.57	101.4	11/06/2024	

Batch R356135		SampType: LCS		Units							
SampID: LCS-6-JC											
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	11/07/2024	

EPA 1664A

Batch R356145		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	11/13/2024	

Batch R356145		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		33	40.00	0	83.0	78	114	11/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 1664A

Batch R356145		SampType: MS		Units mg/L						
SampID: 24111080-002DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material		7	S	21	57.36	0	36.0	78	114	11/13/2024

EPA 600 350.1 (TOTAL)

Batch R355388		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	10/30/2024	

Batch R355388		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.02	1.000	0	101.7	90	110	10/30/2024	

Batch R355388		SampType: MS		Units mg/L							
SampID: 24102546-001GMS											
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	0.09100	84.3	90	110	10/30/2024	

Batch R355388		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102546-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.78	2.000	0.09100	84.2	1.777	0.11	10/30/2024

Batch R355388		SampType: MS		Units mg/L							
SampID: 24102587-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		13.3	10.00	4.019	92.5	90	110	10/30/2024	

Batch R355388		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102587-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.50		13.2	10.00	4.019	91.6	13.27	0.66	10/30/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355388		SampType: MS		Units mg/L							Date
SampID: 24102613-002DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.98	2.000	0.1390	92.2	90	110	10/30/2024	

Batch R355388		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102613-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.97	2.000	0.1390	91.5	1.984	0.76	10/30/2024

Batch R355433		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, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	10/30/2024	

Batch R355433		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, Ammonia (as N)		0.10		1.06	1.000	0	105.6	90	110	10/30/2024	

Batch R355468		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, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	10/31/2024	

Batch R355468		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, Ammonia (as N)		0.10		1.05	1.000	0	104.9	90	110	10/31/2024	

Batch R355468		SampType: MS		Units mg/L							Date
SampID: 24102625-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.82	2.000	0	91.0	90	110	10/31/2024	

Batch R355468		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102625-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.84	2.000	0	92.2	1.820	1.26	10/31/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch	R355468	SampType:	MS	Units	mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)			0.10		1.92	2.000	0.05400	93.2	90	110		10/31/2024

Batch	R355468	SampType:	MSD	Units	mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Nitrogen, Ammonia (as N)			0.10		1.98	2.000	0.05400	96.2	1.918	3.08		10/31/2024

Batch	R355628	SampType:	MBLK	Units	mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100		11/04/2024

Batch	R355628	SampType:	LCS	Units	mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)			0.10		1.04	1.000	0	103.5	90	110		11/04/2024

Batch	R355628	SampType:	MS	Units	mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)			0.10		3.44	2.000	1.576	93.1	90	110		11/04/2024

Batch	R355628	SampType:	MSD	Units	mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Nitrogen, Ammonia (as N)			0.10		3.43	2.000	1.576	92.6	3.438	0.29		11/04/2024

Batch	R355628	SampType:	MS	Units	mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		Analyzed
Nitrogen, Ammonia (as N)			0.20	S	6.92	4.000	3.340	89.4	90	110		11/04/2024

Batch	R355628	SampType:	MSD	Units	mg/L							Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		Analyzed
Nitrogen, Ammonia (as N)			0.20	S	6.93	4.000	3.340	89.8	6.915	0.23		11/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355628		SampType: MS		Units mg/L							Date
SampID: 24110053-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10	S	1.77	2.000	0	88.4	90	110	11/04/2024	

Batch R355628		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110053-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.81	2.000	0	90.4	1.768	2.29	11/04/2024

Batch R355628		SampType: MS		Units mg/L							Date
SampID: 24110191-001EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.80	2.000	0	90.0	90	110	11/04/2024	

Batch R355628		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110191-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.78	2.000	0	89.0	1.800	1.17	11/04/2024

Batch R355747		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, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	11/06/2024	

Batch R355747		SampType: LCS		Units mg/L							Date
SampID: ICB/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.07	1.000	0	106.9	90	110	11/06/2024	

Batch R355747		SampType: MS		Units mg/L							Date
SampID: 24102775-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.20		4.28	4.000	0.5150	94.2	90	110	11/06/2024	

Batch R355747		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102775-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.20		4.29	4.000	0.5150	94.3	4.284	0.05	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355747		SampType: MS		Units mg/L							Date
SampID: 24102802-003HMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.20		4.61	4.000	0.8620	93.7	90	110	11/06/2024	

Batch R355747		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24102802-003HMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.20		4.60	4.000	0.8620	93.5	4.608	0.13	11/06/2024		

Batch R355747		SampType: MS		Units mg/L							Date
SampID: 24110049-013CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.20	S	3.80	4.000	0.2170	89.4	90	110	11/06/2024	

Batch R355747		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110049-013CMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.20	S	3.81	4.000	0.2170	89.7	3.795	0.29	11/06/2024		

Batch R355747		SampType: MS		Units mg/L							Date
SampID: 24110138-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		1.00		23.1	20.00	4.214	94.3	90	110	11/06/2024	

Batch R355747		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110138-001BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		1.00		23.0	20.00	4.214	94.1	23.08	0.20	11/06/2024		

Batch R355747		SampType: MS		Units mg/L							Date
SampID: 24110232-001HMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.87	2.000	0.03900	91.4	90	110	11/06/2024	

Batch R355747		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110232-001HMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0.03900	93.0	1.868	1.59	11/06/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355747		SampType: MS		Units mg/L							Date
SampID: 24110234-001GMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.86	2.000	0.03200	91.2	90	110	11/06/2024	

Batch R355747		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110234-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.88	2.000	0.03200	92.4	1.857	1.28	11/06/2024

Batch R355747		SampType: MS		Units mg/L							Date
SampID: 24110342-003HMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.87	2.000	0.04000	91.4	90	110	11/06/2024	

Batch R355747		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110342-003HMSD											
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	0.04000	91.0	1.867	0.43	11/06/2024

Batch R355897		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, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	11/08/2024	

Batch R355897		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, Ammonia (as N)		0.10		1.08	1.000	0	108.3	90	110	11/08/2024	

Batch R355897		SampType: MS		Units mg/L							Date
SampID: 24110124-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		50.0		1160	1000	200.3	95.7	90	110	11/08/2024	

Batch R355897		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110124-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			50.0		1150	1000	200.3	94.9	1158	0.67	11/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355897		SampType: MS		Units mg/L								Date
SampID: 24110458-001HMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Ammonia (as N)		0.10		1.96	2.000	0.04600	95.7	90	110			

Batch R355897		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24110458-001HMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0.04600	93.8	1.960	1.96				11/08/2024

Batch R355897		SampType: MS		Units mg/L								Date
SampID: 24110499-001AMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Ammonia (as N)		0.10		2.22	2.000	0.2990	95.8	90	110			

Batch R355897		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24110499-001AMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Ammonia (as N)		0.10		2.12	2.000	0.2990	91.0	2.215	4.38				11/08/2024

Batch R355897		SampType: MS		Units mg/L								Date
SampID: 24110515-002GMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Ammonia (as N)		0.10		1.97	2.000	0.07700	94.8	90	110			

Batch R355897		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24110515-002GMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Ammonia (as N)		0.10		1.90	2.000	0.07700	91.4	1.972	3.51				11/08/2024

Batch R355897		SampType: MS		Units mg/L								Date
SampID: 24110533-007BMS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Ammonia (as N)		0.10		1.92	2.000	0	95.8	90	110			

Batch R355897		SampType: MSD		Units mg/L								RPD Limit 10	Date
SampID: 24110533-007BMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Ammonia (as N)		0.10		1.94	2.000	0	97.0	1.915	1.35				11/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355897		SampType: MS		Units mg/L							
SampID: 24110564-002BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		3.22	2.000	1.244	98.7	90	110	11/08/2024	

Batch R355897		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110564-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		3.20	2.000	1.244	97.8	3.218	0.56	11/08/2024

Batch R355897		SampType: MS		Units mg/L							
SampID: 24110570-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.58	2.000	0.6670	95.8	90	110	11/08/2024	

Batch R355897		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110570-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.58	2.000	0.6670	95.9	2.582	0.12	11/08/2024

Batch R355897		SampType: MS		Units mg/L							
SampID: 24110673-004DMS											
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	0.04000	92.3	90	110	11/08/2024	

Batch R355897		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110673-004DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.94	2.000	0.04000	94.9	1.886	2.72	11/08/2024

Batch R355897		SampType: MS		Units mg/L							
SampID: 24110704-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.91	2.000	1.020	94.4	90	110	11/08/2024	

Batch R355897		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110704-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.91	2.000	1.020	94.4	2.908	0.00	11/08/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355983		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	11/07/2024	

Batch R355983		SampType: MBLK		Units mg/L							
SampID: MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	11/07/2024	

Batch R355983		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		0.98	1.000	0	98.0	90	110	11/07/2024	

Batch R355990		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	11/11/2024	

Batch R355990		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Ammonia (as N)		0.10		0.98	1.000	0	98.1	90	110	11/11/2024	

Batch R355990		SampType: MS		Units mg/L							
SampID: 24110766-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.19	2.000	0.2462	97.0	90	110	11/11/2024	

Batch R355990		SampType: MSD		Units mg/L		RPD Limit 10					
SampID: 24110766-001DMSD											
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	0.2462	95.9	2.186	1.03	11/11/2024

Batch R355990		SampType: MS		Units mg/L							
SampID: 24110767-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.83	2.000	0.05150	89.0	90	110	11/11/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R355990		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110767-002BMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10	S	1.84	2.000	0.05150	89.4	1.831	0.47	11/11/2024

Batch R355990		SampType: MS		Units mg/L							
SampID: 24110880-006AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.20		3.71	4.000	0.06410	91.1	90	110	11/11/2024	

Batch	R355990	SampType:	MSD	Units					mg/L			RPD Limit		10	
SampID: 24110880-006AMSD															Date Analyzed
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Nitrogen, Ammonia (as N)				0.20		3.75	4.000	0.06410	92.0	3.708	1.00	11/11/2024			

Batch R355990		SampType: MS		Units mg/L							
SampID: 24110893-001EMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)			0.10		1.89	2.000	0	94.5	90	110	
											11/11/2024

Batch R355990		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110893-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.89	2.000	0	94.6	1.891	0.07	11/11/2024

Batch R356170		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)			0.10		< 0.10	0.0270	0	0	-100	100	
11/13/2024											

Batch R356170		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		0.98	1.000	0	98.1	90	110	11/13/2024	

Batch R356170		SampType: MS		Units mg/L							
SampID: 24111039-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.76	2.000	0.09950	83.0	90	110	11/13/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R356170		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24111039-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.76	2.000	0.09950	82.9	1.760	0.11	11/13/2024

Batch R356170		SampType: MS		Units mg/L							
SampID: 24111056-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		1.00		22.5	20.00	4.027	92.2	90	110	11/13/2024	

Batch R356170		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24111056-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			1.00		22.6	20.00	4.027	93.0	22.47	0.66	11/13/2024

Batch R357003		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	12/02/2024

Batch R357003		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.10	1.000	0	109.7	90	110	12/02/2024

Batch R357003		SampType: MS		Units mg/L							
SampID: 24111395-008DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		1.00		35.6	20.00	16.98	93.1	90	110	12/02/2024	

Batch R357003		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24111395-008DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			1.00		35.6	20.00	16.98	92.9	35.60	0.11	12/02/2024

Batch R357003		SampType: MS		Units mg/L							
SampID: 24111493-009HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		50.0		1590	1000	693.7	90.1	90	110	12/03/2024	



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R357003		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24111493-009HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			50.0	S	1580	1000	693.7	88.8	1595	0.83	12/03/2024

Batch R357003		SampType: MS		Units mg/L						
SampID: 24111939-003HMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Ammonia (as N)		0.20		3.96	4.000	0.2052	93.8	90	110	12/02/2024

Batch	R357003	SampType:	MSD	Units					mg/L	RPD Limit			10
SampID: 24111939-003HMSD												Date	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed			
Nitrogen, Ammonia (as N)		0.20		3.99	4.000	0.2052	94.7	3.957	0.94	12/02/2024			

Batch R357003		SampType: MS		Units mg/L							
SampID: 24111941-003HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.20		5.25	4.000	1.582	91.8	90	110	12/02/2024	

Batch	R357003	SampType:	MSD	Units					mg/L	RPD Limit			10
SampID: 24111941-003HMSD													
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)			0.20		5.35	4.000	1.582	94.3	5.254	1.87	12/02/2024		

Batch R357003		SampType: MS		Units mg/L							
SampID: 24112014-003AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.20		3.93	4.000	0.2235	92.6	90	110	12/02/2024

Batch R357003		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24112014-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.20		3.92	4.000	0.2235	92.4	3.926	0.18	12/02/2024

Batch R357003		SampType: MS		Units mg/L							
SampID: 24112195-006AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.97	2.000	0.1298	92.0	90	110	12/02/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 350.1 (TOTAL)

Batch R357003		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24112195-006AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)			0.10		1.97	2.000	0.1298	92.0	1.970	0.04	12/02/2024	

Batch R357003		SampType: MS		Units mg/L							Date Analyzed	
SampID: 24112379-002CMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Ammonia (as N)		0.10		1.84	2.000	0.03300	90.5	90	110	12/03/2024		

Batch R357003		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24112379-002CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Ammonia (as N)			0.10		1.84	2.000	0.03300	90.6	1.844	0.06	12/03/2024	

Batch R357003		SampType: MS		Units mg/L							
SampID: 24120014-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.50		22.5	10.00	13.07	94.0	90	110	12/03/2024	

Batch R357003		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24120014-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.50		23.2	10.00	13.07	100.9	22.47	3.06	12/03/2024

Batch R357003		SampType: MS		Units mg/L							
SampID: 24120076-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.85	2.000	0	92.7	90	110	12/03/2024	

Batch R357003		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24120076-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.82	2.000	0	91.1	1.854	1.75	12/03/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

EPA 600 365.4 (TOTAL)

Batch 230974		SampType: MBLK		Units mg/L							
SampID: MBLK 241108 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	11/11/2024	

Batch 230974		SampType: LCS		Units mg/L							
SampID: LCS 241108 TP1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Total (as P)		0.100		0.932	1.000	0	93.2	85	115	11/11/2024	

Batch 230974		SampType: MS		Units mg/L							
SampID: 24110507-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Total (as P)		0.100		3.17	1.000	2.223	94.9	85	115	11/11/2024	

Batch 230974		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110507-001DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phosphorus, Total (as P)		0.100		3.11	1.000	2.223	89.1	3.172	1.85	11/11/2024	

Batch 230974		SampType: MS		Units mg/L							
SampID: 24110510-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phosphorus, Total (as P)		0.100		1.17	1.000	0.2150	95.7	85	115	11/11/2024	

Batch 230974		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110510-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phosphorus, Total (as P)			0.100		1.21	1.000	0.2150	99.3	1.172	3.03	11/11/2024

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Batch R355707		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	11/04/2024
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	11/04/2024
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	11/04/2024



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Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355707		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		954	1000	0	95.4	90	110	11/04/2024
Total Dissolved Solids		20		958	1000	0	95.8	90	110	11/04/2024
Total Dissolved Solids		20		930	1000	0	93.0	90	110	11/04/2024

Batch R355707		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-007ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		468				470.0	0.43	11/04/2024

Batch R355707		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-025ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		424				424.0	0.00	11/04/2024

Batch R355707		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24102707-006ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			100		670				660.0	1.50	11/04/2024

Batch R355835		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	11/06/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/06/2024

Batch R355835		SampType: LCS		Units mg/L						
SampID: LCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Dissolved Solids		20		936	1000	0	93.6	90	110	11/06/2024
Total Dissolved Solids		20		936	1000	0	93.6	90	110	11/06/2024

Batch R355835		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		520				534.0	2.66	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R355835		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-045ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		636				658.0	3.40	11/06/2024

Batch	R355895	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	11/07/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/07/2024	

Batch	R355895	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		984	1000	0	98.4	90	110	11/07/2024	
Total Dissolved Solids		20		1010	1000	0	100.6	90	110	11/07/2024	

Batch R355895		SampType: DUP		Units mg/L				RPD Limit 10			
SampleID: 24101589-081ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1830				1828	0.11	11/07/2024

Batch R355895		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24102207-021ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1150				1210	5.08	11/07/2024

Batch	R356046	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	11/11/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/11/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/11/2024	



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356046		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	11/11/2024
Total Dissolved Solids		20		1010	1000	0	101.2	90	110	11/11/2024
Total Dissolved Solids		20		990	1000	0	99.0	90	110	11/11/2024

Batch R356046		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1820				1836	0.99	11/11/2024

Batch R356046		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24110522-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		5800				6140	5.70	11/11/2024

Batch R356046		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24110735-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		1000				978.0	2.62	11/11/2024

Batch R356046		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24110736-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		28100				27380	2.60	11/11/2024

Batch R356118 SampID: MBLK	SampType: MBLK	Units mg/L								
										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/12/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/12/2024

Batch R356118 SampID: LCS	SampType: LCS	Units mg/L								
										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids		20		948	1000	0	94.8	90	110	11/12/2024
Total Dissolved Solids		20		984	1000	0	98.4	90	110	11/12/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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Batch R356118		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-060ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		880				872.0	0.91	11/12/2024

Batch R356118		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24110559-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		3060				2820	8.16	11/12/2024

Batch R356118		SampType:	DUP	Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24110581-007ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Total Dissolved Solids			20	H	610				576.0	5.73	11/12/2024

Batch R356185		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	11/13/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	11/13/2024	

Batch	R356185	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		1010	1000	0	100.8	90	110	11/13/2024	
Total Dissolved Solids		20		968	1000	0	96.8	90	110	11/13/2024	

Batch R356185		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24100635-014ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	550				568.0	3.22	11/13/2024

Batch R356185		SampType:	DUP		Units mg/L				RPD Limit 10		
SampID: 24110016-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			33		1050				1082	3.45	11/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R356185		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24110581-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Total Dissolved Solids		20	H	312				328.0	5.00	11/13/2024	

Batch R357166		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	12/04/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	12/04/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	12/04/2024

Batch R357166		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		904	1000	0	90.4	90	110	12/04/2024
Total Dissolved Solids		20		984	1000	0	98.4	90	110	12/04/2024
Total Dissolved Solids		20		950	1000	0	95.0	90	110	12/04/2024

Batch R357166		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-010ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	388				408.0	5.03	12/04/2024

Batch R357166		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-011ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	574				540.0	6.10	12/04/2024

Batch R357166		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24101589-012ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	504				544.0	7.63	12/04/2024

Batch R357166		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24112335-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	406				380.0	6.62	12/04/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

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Batch R357166		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24112335-020ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	396				382.0	3.60	12/04/2024

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Batch	R356019	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		6		< 6	4.000	0	0	-100	100	11/12/2024	
Total Suspended Solids		6		< 6	4.000	0	0	-100	100	11/12/2024	
Total Suspended Solids		6		< 6	4.000	0	0	-100	100	11/12/2024	
Total Suspended Solids		6		< 6	4.000	0	0	-100	100	11/12/2024	
Total Suspended Solids	*	0.5		< 0.5	0.3000	0	0	-100	100	11/12/2024	

Batch	R356019	SampType:	LCS	Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Total Suspended Solids		6		99	100.0	0	99.0	85	115	11/12/2024	
Total Suspended Solids		6		95	100.0	0	95.0	85	115	11/12/2024	
Total Suspended Solids		6		96	100.0	0	96.0	85	115	11/12/2024	
Total Suspended Solids		6		112	100.0	0	112.0	85	115	11/12/2024	
Total Suspended Solids		6		102	100.0	0	102.0	85	115	11/12/2024	

Batch R356019		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24110590-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6		< 6				0	0.00	11/12/2024

Batch R356019		SampType:	DUP		Units mg/L				RPD Limit 5			
SampID: 24110627-001ADUP												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids				6		48				48.00	0.00	11/12/2024

Batch R356019		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24110685-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6		27				28.00	3.64	11/12/2024



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Batch R356019		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24110698-002BDUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6		20				21.00	4.88	11/12/2024

Batch R356019		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24110772-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6	R	8				10.00	22.22	11/12/2024

Batch R356019		SampType: DUP		Units mg/L				RPD Limit 5			
SampID: 24110783-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids			6		53				54.00	1.87	11/12/2024

Batch R356019		SampType: DUP		Units mg/L				RPD Limit 5			Date Analyzed	
SampID: 24110893-001ADUP												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Suspended Solids		6		< 6				0	0.00			

Batch R356019		SampType: DUP		Units mg/L					RPD Limit 5			Date Analyzed
SampID: 24110894-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids		*	0.9		4.0				4.000	0.62		

Batch R356019		SampType: DUP		Units mg/L				RPD Limit 5				Date Analyzed
SampID: 24110902-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Suspended Solids			12		100				100.0	0.00		

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Batch R355388		SampType: MS		Units mg/L							
SampID: 24101589-091EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.77	2.000	0	88.6	90	110	10/30/2024	



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Batch R355388		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101589-091EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.78	2.000	0	89.1	1.771	0.62	10/30/2024

Batch R355468		SampType: MS		Units mg/L							
SampID: 24101589-006GMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.83	2.000	0	91.4	90	110	10/31/2024

Batch R355468		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24101589-006GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.82	2.000	0	91.0	1.829	0.44	10/31/2024

Batch R355628		SampType: MS		Units mg/L							
SampID: 24101589-004EMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10	S	1.75	2.000	0	87.4	90	110	11/04/2024

Batch R355628		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24101589-004EMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)				0.10	S	1.76	2.000	0	87.8	1.748	0.46	11/04/2024

Batch R355897		SampType: MS		Units mg/L							
SampID: 24102205-009GMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.73	2.000	0.8680	93.3	90	110	11/08/2024

Batch R355897		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24102205-009GMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)				0.10		2.74	2.000	0.8680	93.7	2.734	0.29	11/08/2024

Batch R355897		SampType: MS		Units mg/L							
SampID: 24102207-021GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.73	2.000	0.8650	93.2	90	110	11/08/2024	



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Batch R355897		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102207-021GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.73	2.000	0.8650	93.4	2.728	0.22	11/08/2024

Batch R355897		SampType: MS		Units mg/L							
SampID: 24110554-003EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.82	2.000	0	91.0	90	110	11/08/2024	

Batch R355897		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110554-003EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.84	2.000	0	91.8	1.821	0.87	11/08/2024

Batch R355897		SampType: MS		Units mg/L							
SampID: 24110554-007EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10	S	1.77	2.000	0	88.6	90	110	11/08/2024	

Batch R355897		SampType:	MSD		Units mg/L			RPD Limit 10				
SampID: 24110554-007EMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)				0.10	S	1.80	2.000	0	89.9	1.771	1.51	11/08/2024

Batch R355990		SampType: MS		Units mg/L							
SampID: 24102207-005GMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.12	2.000	0.3041	90.8	90	110	11/11/2024

Batch R355990		SampType: MSD	Units mg/L					RPD Limit 10			
SampID: 24102207-005GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.12	2.000	0.3041	90.9	2.120	0.10	11/11/2024

Batch R356170		SampType: MS		Units mg/L							
SampID: 24102206-001GMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.52	2.000	0.6999	91.0	90	110	11/13/2024



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Client Project: COF-24Q4

Work Order: 24101589
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Batch R356170		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102206-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.53	2.000	0.6999	91.6	2.520	0.49	11/13/2024

Batch R356170		SampType: MS		Units mg/L							
SampID: 24102207-018GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.20		3.99	4.000	0.2819	92.6	90	110	11/13/2024	

Batch R356170		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102207-018GMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.20		3.97	4.000	0.2819	92.3	3.987	0.36	11/13/2024

Batch R356170		SampType: MS		Units mg/L							
SampID: 24110708-005GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.20		4.05	4.000	0.3991	91.3	90	110	11/13/2024	

Batch R356170		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110708-005GMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.20		4.03	4.000	0.3991	90.7	4.052	0.61	11/13/2024

Batch R356170		SampType: MS		Units mg/L							
SampID: 24110810-002GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.20		3.80	4.000	0.2010	90.0	90	110	11/13/2024	

Batch	R356170	SampType:	MSD	Units					mg/L	RPD Limit			10
SampID: 24110810-002GMSD													
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Ammonia (as N)			0.20		3.81	4.000	0.2010	90.2	3.799	0.30	11/13/2024		



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Client Project: COF-24Q4

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Batch R355315		SampType: MS		Units mg/L							Date
SampID: 24101589-010BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.2	85	115	10/29/2024	

Batch R355315		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101589-010BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	100.2	0.5010	0.00	10/29/2024

Batch R355315		SampType: MS		Units mg/L							Date
SampID: 24101589-092BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.6	85	115	10/29/2024	

Batch R355315		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24101589-092BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	99.2	0.4980	0.40	10/29/2024

Batch R355404		SampType: MS		Units mg/L							Date
SampID: 24101589-024BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	96.2	85	115	10/30/2024	

Batch R355404		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101589-024BMSD											
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	95.6	0.4810	0.63	10/30/2024

Batch R355548		SampType: MS		Units mg/L							Date
SampID: 24110043-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	102.0	85	115	11/01/2024	

Batch R355548		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110043-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.51	0.5000	0	102.0	0.5100	0.00	11/01/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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Batch R355692		SampType: MS		Units mg/L							Date
SampID: 24101589-018BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0	95.2	85	115	11/05/2024	

Batch R355692		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 24101589-018BMSD											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	95.2	0.4760	0.00	11/05/2024	

Batch R355821		SampType: MS		Units mg/L							Date
SampID: 24101589-020BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.48	0.5000	0.005000	94.6	85	115	11/07/2024	

Batch R355821		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 24101589-020BMSD											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	0.005000	94.2	0.4780	0.42	11/07/2024	

Batch R355821		SampType: MS		Units mg/L							Date
SampID: 24102207-011BMS											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	11/07/2024	

Batch R355821		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 24102207-011BMSD											Analyzed
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	92.6	0.4600	0.65	11/07/2024	

Batch R355821		SampType: MS		Units mg/L							Date
SampID: 24110556-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.6	85	115	11/07/2024	

Batch R355821		SampType: MSD		Units mg/L		RPD Limit 10					Date
SampID: 24110556-001BMSD											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	97.2	0.4880	0.41	11/07/2024	



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Batch R355889		SampType: MS		Units mg/L						
SampID: 24101589-095DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	100.8	85	115	11/08/2024

Batch R355889		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101589-095DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.51	0.5000	0	101.4	0.5040	0.59	11/08/2024

Batch R355889		SampType: MS		Units mg/L							
SampID: 24102207-003BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	100.0	85	115	11/08/2024

Batch R355889		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24102207-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	100.4	0.5000	0.40	11/08/2024

Batch R355889		SampType: MS		Units mg/L							
SampID: 24110708-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.4	85	115	11/08/2024	

Batch R355889		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110708-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.49	0.5000	0	98.6	0.4970	0.81	11/08/2024

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

Batch R355315		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	10/29/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/29/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355315 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		0.29	0.3045	0	96.6	90	110	10/29/2024
Nitrogen, Nitrite (as N)		0.05		0.29	0.3045	0	96.6	90	110	10/29/2024

Batch R355315 SampType: MS Units mg/L

SampID: 24102525-001AMS

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	102.6	85	115	10/29/2024

Batch R355315 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24102525-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	102.6	0.5130	0.00	10/29/2024

Batch R355404 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	10/30/2024
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/30/2024
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	10/30/2024

Batch R355404 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		0.28	0.3045	0	92.0	90	110	10/30/2024
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	96.9	90	110	10/30/2024
Nitrogen, Nitrite (as N)		0.05		0.29	0.3045	0	95.9	90	110	10/30/2024

Batch R355404 SampType: MS Units mg/L

SampID: 24102647-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0.007000	92.8	85	115	10/30/2024

Batch R355404 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24102647-001AMSD

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	0.007000	93.0	0.4710	0.21	10/30/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355404 SampType: MS Units mg/L

SampID: 24102650-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	S	0.39	0.5000	0	77.2	85	115	10/30/2024

Batch R355404 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24102650-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05	SR	0.26	0.5000	0	51.8	0.3860	39.38	10/30/2024

Batch R355548 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	11/01/2024
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	11/01/2024

Batch R355548 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		0.29	0.3045	0	96.6	90	110	11/01/2024
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	96.9	90	110	11/01/2024

Batch R355548 SampType: MS Units mg/L

SampID: 24110033-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.52	0.5000	0	104.6	85	115	11/01/2024

Batch R355548 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24110033-001AMSD

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	103.6	0.5230	0.96	11/01/2024

Batch R355692 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	11/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355692		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	99.2	90	110	11/05/2024	

Batch R355692		SampType: MS		Units mg/L							
SampID: 24110292-001AMS											
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	86.8	85	115	11/05/2024	

Batch R355692		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24110292-001AMSD											
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	91.2	0.4340	4.94	11/05/2024

Batch R355821		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	11/07/2024
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	11/07/2024

Batch R355821		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrite (as N)			0.05		0.28	0.3045	0	92.9	90	110	11/07/2024
Nitrogen, Nitrite (as N)			0.05		0.28	0.3045	0	92.6	90	110	11/07/2024

Batch R355821		SampType: MS		Units mg/L							
SampID: 24110557-003BMS											
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	93.6	85	115	11/07/2024	

Batch R355821		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110557-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.47	0.5000	0	94.4	0.4680	0.85	11/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355821 SampType: MS Units mg/L

SampID: 24110557-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	93.8	85	115	11/07/2024

Batch R355821 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24110557-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.47	0.5000	0	94.4	0.4690	0.64	11/07/2024

Batch R355821 SampType: MS Units mg/L

SampID: 24110578-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0.02200	95.6	85	115	11/07/2024

Batch R355821 SampType: MSD Units mg/L

RPD Limit 10

SampID: 24110578-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0.02200	95.0	0.5000	0.60	11/07/2024

Batch R355889 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	11/08/2024
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	11/08/2024

Batch R355889 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	100.5	90	110	11/08/2024
Nitrogen, Nitrite (as N)		0.05		0.30	0.3045	0	98.5	90	110	11/08/2024

Batch R355889 SampType: MS Units mg/L

SampID: 24110816-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	102.2	85	115	11/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355889		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110816-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0	100.8	0.5110	1.38	11/08/2024

Batch R355889		SampType: MS		Units mg/L							
SampID: 24110817-003BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.49	0.5000	0	98.6	85	115	11/08/2024	

Batch	R355889	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 24110817-003BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.50	0.5000	0	99.0	0.4930	0.40	11/08/2024	

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

Batch R355401		SampType: MS		Units mg/L							
SampID: 24101589-013BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.928	0.2500	0.6750	101.2	85	115	10/29/2024

Batch	R355401	SampType:	MSD	Units mg/L				RPD Limit 10			
SampID: 24101589-013BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.932	0.2500	0.6750	102.8	0.9280	0.43	10/29/2024	

Batch R355401		SampType: MS		Units mg/L							
SampID: 24101589-092BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.221	0.2500	0	88.4	85	115	10/29/2024	

Batch R355401		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101589-092BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.227	0.2500	0	90.8	0.2210	2.68	10/29/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355477		SampType: MS		Units mg/L						
SampID: 24101589-009BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.546	0.2500	0.07500	188.4	85	115	10/30/2024

Batch R355477		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101589-009BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	S	0.556	0.2500	0.07500	192.4	0.5460	1.81	10/30/2024

Batch R355553		SampType: MS		Units mg/L							
SampID: 24101589-022BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.24	0.5000	0.7490	97.2	85	115	10/31/2024	

Batch R355553		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24101589-022BMSD											
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	0.7490	93.8	1.235	1.39	10/31/2024

Batch R355882		SampType: MS		Units mg/L							
SampID: 24110556-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.247	0.2500	0	98.8	85	115	11/07/2024	

Batch R355882		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110556-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050	SR	0.358	0.2500	0	143.2	0.2470	36.69	11/07/2024

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

Batch R355401		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						10/29/2024
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	10/29/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355401 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		0.533	0.5000	0	106.6	90	110	10/29/2024

Batch R355401 SampType: MS Units mg/L

SampID: 24102453-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		4.70	2.500	2.185	100.6	90	110	10/29/2024

Batch R355401 SampType: MSD Units mg/L

SampID: 24102453-007BMSD

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.500		4.75	2.500	2.185	102.6	4.700	1.08	10/29/2024

Batch R355401 SampType: MS Units mg/L

SampID: 24102613-002DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		14.4	5.000	9.377	101.2	90	110	10/29/2024

Batch R355401 SampType: MSD Units mg/L

SampID: 24102613-002DMSD

RPD Limit 10

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		14.4	5.000	9.377	100.3	14.44	0.31	10/29/2024

Batch R355477 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						10/30/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	10/30/2024

Batch R355477 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		0.533	0.5000	0	106.6	90	110	10/30/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355477		SampType: MS		Units mg/L						
SampID: 24102647-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		5.00		55.6	25.00	32.86	90.8	90	110	10/30/2024

Batch R355477		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102647-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			5.00		56.2	25.00	32.86	93.2	55.55	1.10	10/30/2024

Batch R355477		SampType: MS		Units mg/L							
SampID: 24102657-006AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		7.75	2.500	5.334	96.6	90	110	10/30/2024	

Batch R355477		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102657-006AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.500		7.74	2.500	5.334	96.0	7.750	0.19	10/30/2024

Batch R355553		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Nitrogen, Nitrate (as N)			0.050		< 0.050						10/31/2024
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	10/31/2024

Batch R355553		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		0.478	0.5000	0	95.6	90	110	10/31/2024	

Batch R355553		SampType: MS		Units mg/L							
SampID: 24102760-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050	S	0.310	0.2500	0.08800	88.8	90	110	10/31/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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Batch R355553		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24102760-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.321	0.2500	0.08800	93.2	0.3100	3.49	10/31/2024

Batch	R355573	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						11/01/2024		
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	11/01/2024		

Batch R355573		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		0.497	0.5000	0	99.4	90	110	11/01/2024

Batch R355573		SampType: MS		Units mg/L							
SampID: 24110012-002AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50	H	28.8	12.50	16.41	98.9	90	110	11/01/2024

Batch R355573		SampType:	MSD		Units mg/L			RPD Limit 10			
SampID: 24110012-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50	H	29.1	12.50	16.41	101.9	28.77	1.29	11/01/2024

Batch	R355763	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						11/05/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	11/05/2024	

Batch R355763		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		0.495	0.5000	0	99.0	90	110	11/05/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355763		SampType: MS		Units mg/L							Date
SampID: 24110124-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		50.0		836	250.0	580.5	102.4	90	110	11/05/2024	

Batch R355763		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110124-001BMDS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		50.0		837	250.0	580.5	102.6	836.4	0.06	11/05/2024		

Batch R355763		SampType: MS		Units mg/L							Date
SampID: 24110221-002CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.343	0.2500	0.07800	106.0	90	110	11/05/2024	

Batch R355763		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110221-002CMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.336	0.2500	0.07800	103.2	0.3430	2.06	11/05/2024		

Batch R355763		SampType: MS		Units mg/L							Date
SampID: 24110235-001FMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.388	0.2500	0.1300	103.2	90	110	11/05/2024	

Batch R355763		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110235-001FMDS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.393	0.2500	0.1300	105.2	0.3880	1.28	11/05/2024		

Batch R355763		SampType: MS		Units mg/L							Date
SampID: 24110337-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.282	0.2500	0.03700	98.0	90	110	11/05/2024	

Batch R355763		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110337-001BMDS												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.293	0.2500	0.03700	102.4	0.2820	3.83	11/05/2024		



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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Batch R355882		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						11/07/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	11/07/2024	

Batch R355882		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	11/07/2024	

Batch R355882		SampType: MS		Units mg/L							
SampID: 24110126-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		50.0		790	250.0	535.6	101.7	90	110	11/07/2024	

Batch R355882		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110126-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			50.0		800	250.0	535.6	105.7	790.0	1.25	11/07/2024

Batch R355882		SampType: MS		Units mg/L							
SampID: 24110522-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500	S	3.13	2.500	0	125.3	90	110	11/07/2024	

Batch R355882		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110522-001DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500	R	2.41	2.500	0	96.2	3.133	26.25	11/07/2024	

Batch R355882		SampType: MS		Units mg/L							
SampID: 24110528-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	2.44	0.5000	1.951	98.0	90	110	11/07/2024	



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

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Batch R355882		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110528-003BMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.100	E	2.46	0.5000	1.951	102.6	2.441	0.94	11/07/2024

Batch R355882		SampType: MS		Units mg/L							
SampID: 24110534-003AMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate-Nitrite (as N)			0.500		5.83	2.500	3.447	95.2	90	110	
11/08/2024											

Batch R355882		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110534-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.500		6.08	2.500	3.447	105.2	5.828	4.20	11/08/2024

Batch R355882		SampType: MS		Units mg/L							
SampID: 24110557-003BMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate-Nitrite (as N)			0.050	S	0.303	0.2500	0	121.2	85	115	11/07/2024

Batch R355882		SampType:	MSD		Units mg/L				RPD Limit 10			
SampID: 24110557-003BMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)				0.050	R	0.242	0.2500	0	96.8	0.3030	22.39	11/07/2024

Batch R355882		SampType: MS		Units mg/L							
SampID: 24110575-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		0.918	0.5000	0.3860	106.4	90	110	11/08/2024	

Batch R355882		SampType: MSD	Units mg/L					RPD Limit 10			
SampID: 24110575-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		0.922	0.5000	0.3860	107.2	0.9180	0.43	11/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355960		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						11/08/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	11/08/2024	

Batch R355960		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		0.498	0.5000	0	99.6	90	110	11/08/2024	

Batch R355960		SampType: MS		Units mg/L							Date
SampID: 24110406-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.500		4.47	2.500	2.022	98.0	85	115	11/08/2024	

Batch R355960		SampType: MSD		Units mg/L							RPD Limit 10
SampID: 24110406-002BMSD											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.500		4.50	2.500	2.022	99.2	4.472	0.67	11/08/2024	

Batch R355960		SampType: MS		Units mg/L							Date
SampID: 24110642-005AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.432	0.2500	0.1670	106.0	90	110	11/08/2024	

Batch R355960		SampType: MSD		Units mg/L							RPD Limit 10
SampID: 24110642-005AMSD											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.430	0.2500	0.1670	105.2	0.4320	0.46	11/08/2024	

Batch R355960		SampType: MS		Units mg/L							Date
SampID: 24110697-002AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		2.50		32.3	12.50	19.86	99.2	90	110	11/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355960		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110697-002AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			2.50		32.5	12.50	19.86	101.1	32.26	0.72	11/08/2024

Batch R355960		SampType: MS		Units mg/L							
SampID: 24110704-002DMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			5.00		51.4	25.00	26.32	100.1	90	110	11/08/2024

Batch R355960		SampType:	MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24110704-002DMSD													
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)				5.00			51.7	25.00	26.32	101.3	51.35	0.58	11/08/2024

Batch R355960		SampType: MS		Units mg/L							
SampID: 24110762-004AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			5.00		65.9	25.00	39.53	105.5	90	110	11/08/2024

Batch R355960		SampType:	MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24110762-004AMSD												
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)				5.00		64.3	25.00	39.53	99.2	65.91	2.41	11/08/2024

Batch R355960		SampType: MS		Units mg/L							
SampID: 24110816-002BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.250	0.2500	0	100.0	85	115	11/08/2024

Batch R355960		SampType:	MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24110816-002BMSD												
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	0.2500	2.02	11/08/2024

Batch R355960		SampType: MS		Units mg/L							
SampID: 24110817-002BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.230	0.2500	0	92.0	85	115	11/08/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch R355960		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110817-002BMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.237	0.2500	0	94.8	0.2300	3.00	11/08/2024

STANDARD METHODS 5210 B 2001, 2011

Batch 230920		SampType: LCS	Units mg/L								
SampID: LCS-BOD-1-110824											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Biochemical Oxygen Demand			100	S	137	198.0	0	69.2	84.6	115.4	11/08/2024

Batch 230920		SampType: DUP		Units mg/L				RPD Limit 40			
SampID: 24110733-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Biochemical Oxygen Demand			10		< 10				0	0.00	11/08/2024

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R355951		SampType: MBLK		Units mg/L							
SampID: MBLK										Date Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chemical Oxygen Demand		50		< 50	17.00	0	0	-100	100	11/11/2024	

Batch	R355951	SampType:	LCS	Units								mg/L
SampID: LCS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Chemical Oxygen Demand		50		113	112.0	0	101.3	90	110	11/11/2024		

Batch R355951		SampType: MS		Units mg/L							
SampID: 24110809-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chemical Oxygen Demand		100		957	1000	56.29	90.0	90	110	11/11/2024	

Batch R355951		SampType:	MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24110809-001CMSD													
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chemical Oxygen Demand					100		961	1000	56.29	90.5	956.7	0.46	11/11/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

STANDARD METHODS 5220 D (TOTAL) 1997

Batch R355951		SampType: MS		Units mg/L							
SampID: 24110809-002CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chemical Oxygen Demand		100		944	1000	39.36	90.4	90	110	11/11/2024	

Batch R355951		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24110809-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chemical Oxygen Demand			100		944	1000	39.36	90.4	943.5	0.00	11/11/2024

Batch R355951		SampType: MS		Units mg/L							
SampID: 24110809-003CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chemical Oxygen Demand		100		944	1000	34.31	90.9	90	110	11/11/2024	

Batch R355951		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24110809-003CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chemical Oxygen Demand			100		935	1000	34.31	90.0	943.5	0.94	11/11/2024

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Batch R355901		SampType: MBLK		Units mg/L							
SampID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chromium, Hexavalent		0.0010		< 0.0010	0.0004	0	0	-100	100	11/08/2024	

Batch R355901		SampType: LCS		Units mg/L							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium, Hexavalent		0.0010		0.0548	0.0500	0	109.6	90	110	11/08/2024	

Batch R355901		SampType: MS		Units µg/L							
SampID: 24101589-084CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium, Hexavalent		1.00		52.9	50.00	3.800	98.2	85	115	11/08/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7196A

Batch R355901		SampType: MSD		Units µg/L				RPD Limit 10			
SampID: 24101589-084CMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chromium, Hexavalent			1.00		52.2	50.00	3.800	96.8	52.90	1.33	11/08/2024

Batch R355901		SampType: MS		Units µg/L							
SampID: 24101589-095CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium, Hexavalent		1.00		52.3	50.00	0	104.6	85	115	11/08/2024	

Batch R355901		SampType: MS		Units µg/L							
SampID: 24110710-001FMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent			5.00	S	212	250.0	0	84.6	85	115	11/08/2024

Batch R355901		SampType: MS		Units mg/L							
SampID: 24110756-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium, Hexavalent		0.0010		0.0550	0.0500	0	110.0	85	115	11/08/2024	

Batch R355901		SampType: MS		Units mg/L							
SampID: 24110760-001BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium, Hexavalent			0.0010		0.0529	0.0500	0.001700	102.4	85	115	11/08/2024

Batch R355901		SampType: MS		Units mg/L							
SampID: 24110770-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium, Hexavalent		0.0010	H	0.0495	0.0500	0	99.0	85	115	11/08/2024	

Batch R355901		SampType: MS		Units mg/L							
SampID: 24110773-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chromium, Hexavalent		0.0010		0.0495	0.0500	0	99.0	85	115	11/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230476		SampType: MBLK		Units mg/L							
SampID: MBLK 241030 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	10/31/2024	

Batch 230476		SampType: LCS		Units mg/L							
SampID: LCS 241030 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	112.3	90	110	10/31/2024	

Batch 230476		SampType: MS		Units mg/L							
SampID: 24102599-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.030	0.0250	0	120.4	90	110	10/31/2024	

Batch 230476		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24102599-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.030	0.0250	0	120.9	0.03011	0.36	10/31/2024

Batch 230476		SampType: MS		Units mg/L							
SampID: 24102599-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.030	0.0250	0	121.0	90	110	10/31/2024	

Batch 230476		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24102599-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.031	0.0250	0	123.2	0.03026	1.82	10/31/2024

Batch 230567		SampType: MBLK		Units mg/L							
SampID: MBLK 241101 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	11/01/2024	

Batch 230567		SampType: LCS		Units mg/L							
SampID: LCS 241101 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	100.6	90	110	11/01/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230567		SampType: MS		Units mg/L						
SampID: 24101589-012DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		0.026	0.0250	0	104.6	75	125	11/01/2024

Batch 230567		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-012DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.027	0.0250	0	107.4	0.02615	2.62	11/01/2024

Batch 230567		SampType: MS		Units mg/L							
SampID: 24101589-016DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	104.4	75	125	11/01/2024	

Batch 230567		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-016DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.027	0.0250	0	109.2	0.02611	4.47	11/01/2024

Batch 230595		SampType: MBLK		Units mg/L							
SampID: MBLK 241101 TCN2											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005		< 0.005	0.0015	0	0	-100	100	11/03/2024	

Batch 230595		SampType: LCS		Units mg/L							
SampID: LCS 241101 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.027	0.0250	0	107.4	85	115	11/03/2024	

Batch 230595		SampType: MS		Units mg/L							
SampID: 24101589-009DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.030	0.0250	0.003540	104.9	75	125	11/03/2024	

Batch 230595		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-009DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.030	0.0250	0.003540	106.1	0.02976	1.02	11/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230595		SampType: MS		Units mg/L						
SampID: 24101589-017DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		0.028	0.0250	0	112.9	75	125	11/03/2024

Batch 230595		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-017DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.027	0.0250	0	108.8	0.02823	3.73	11/03/2024

Batch 230631		SampType: MBLK		Units mg/L							
SampID: MBLK 241102 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	11/04/2024	

Batch 230631		SampType: LCS		Units mg/L							
SampID: LCS 241102 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	103.1	85	115	11/04/2024	

Batch 230631		SampType: MS		Units mg/L							
SampID: 24101589-027EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.028	0.0250	0.003385	100.1	75	125	11/04/2024	

Batch 230631		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-027EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		0.028	0.0250	0.003385	100.0	0.02842	0.11	11/04/2024	

Batch 230631		SampType: MS		Units mg/L							
SampID: 24101589-037EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	90.9	75	125	11/04/2024	

Batch 230631		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-037EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	94.9	0.02272	4.26	11/04/2024	



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230669		SampType: MBLK		Units mg/L							
SampID: MBLK 241104 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	11/05/2024	

Batch 230669		SampType: LCS		Units mg/L							
SampID: LCS 241104 TCN4											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.022	0.0250	0	86.8	85	115	11/05/2024	

Batch 230670		SampType: MBLK		Units mg/L							
SampID: MBLK 241104 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	11/05/2024	

Batch 230670		SampType: LCS		Units mg/L							
SampID: LCS 241104 TCN5											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.022	0.0250	0	88.7	85	115	11/05/2024	

Batch 230730		SampType: MBLK		Units mg/L							
SampID: MBLK 241105 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	11/06/2024	

Batch 230730		SampType: LCS		Units mg/L							
SampID: LCS 241105 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	96.2	90	110	11/06/2024	

Batch 230730		SampType: MS		Units mg/L							
SampID: 24102742-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.025	S	0.122	0.1250	0.01000	89.3	90	110	11/06/2024	

Batch 230730		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24102742-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.025		0.132	0.1250	0.01000	97.3	0.1216	7.90	11/06/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230730		SampType: MS		Units mg/L						
SampID: 24102780-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	S	0.015	0.0250	0	61.1	90	110	11/06/2024

Batch 230730		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24102780-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.015	0.0250	0	60.1	0.01528	1.68	11/06/2024

Batch 230730		SampType: MS		Units mg/L							
SampID: 24110190-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	94.3	90	110	11/06/2024	

Batch 230730		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110190-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.023	0.0250	0	90.6	0.02358	4.05	11/06/2024

Batch 230957		SampType: MBLK		Units mg/L							
SampID: MBLK 241108 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	11/11/2024	

Batch 230957		SampType: LCS		Units mg/L							
SampID: LCS 241108 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	107.1	90	110	11/11/2024	

Batch 230957		SampType: MS		Units mg/L							
SampID: 24110426-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.025		0.149	0.1250	0.02088	102.6	90	110	11/11/2024	

Batch 230957		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110426-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.025	S	0.160	0.1250	0.02088	111.3	0.1491	7.07	11/11/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9012A (TOTAL)

Batch 230957		SampType: MS		Units µg/L							
SampID: 24110475-002EMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		5.00		24.1	25.00	0	96.2	90	110	11/11/2024	

Batch 230957		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24110475-002EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			5.00		25.4	25.00	0	101.7	24.06	5.52	11/11/2024

Batch 230958		SampType: MBLK		Units mg/L							
SampID: MBLK 241108 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	11/11/2024	

Batch 230958		SampType: LCS		Units mg/L							
SampID: LCS 241108 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	93.1	85	115	11/11/2024	

Batch 230958		SampType: MS		Units mg/L							
SampID: 24102205-001DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.030	0.0250	0.006420	95.3	75	125	11/11/2024	

Batch 230958		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24102205-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.029	0.0250	0.006420	92.3	0.03024	2.51	11/11/2024

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355359		SampType: MS		Units mg/L						
SampID: 24101589-010BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.96	10.00	0	99.6	80	120	10/30/2024
Chloride		5.00		237	200.0	34.99	101.2	80	120	10/30/2024
Sulfate		10.0		254	200.0	66.71	93.6	80	120	10/30/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355359		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-010BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.89	10.00	0	98.9	9.962	0.71		
Chloride		5.00		236	200.0	34.99	100.3	237.4	0.75		
Sulfate		10.0		252	200.0	66.71	92.8	253.9	0.60		

Batch R355359		SampType: MS		Units mg/L							
SampID: 24101589-011BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		9.86	10.00	0	98.6	80	120	10/30/2024	
Chloride		5.00		258	200.0	55.30	101.4	80	120	10/30/2024	
Sulfate		10.0		281	200.0	95.16	93.1	80	120	10/30/2024	

Batch R355359		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-011BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.82	10.00	0	98.2	9.855	0.36	
Chloride			5.00		257	200.0	55.30	100.9	258.0	0.38	
Sulfate			10.0		281	200.0	95.16	92.8	281.4	0.22	

Batch R355359		SampType: MS		Units mg/L						
SampID: 24101589-012BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.88	10.00	0.2460	96.3	80	120	10/30/2024
Chloride		5.00		257	200.0	55.24	100.8	80	120	10/30/2024
Sulfate		10.0		277	200.0	91.00	92.8	80	120	10/30/2024

Batch R355359		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-012BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.91	10.00	0.2460	96.6	9.879	0.28	
Chloride			5.00		257	200.0	55.24	101.0	256.9	0.14	
Sulfate			10.0		277	200.0	91.00	92.9	276.6	0.07	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355425		SampType: MS		Units mg/L						
SampID: 24101589-008BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.75	10.00	0.2760	94.7	80	120	10/31/2024
Chloride		5.00		255	200.0	49.16	103.0	80	120	10/31/2024
Sulfate		10.0		274	200.0	83.93	94.8	80	120	10/31/2024

Batch R355425		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-008BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.75	10.00	0.2760	94.8	9.748	0.05	
Chloride			5.00		255	200.0	49.16	102.9	255.1	0.06	
Sulfate			10.0		273	200.0	83.93	94.7	273.5	0.11	

Batch R355425		SampType: MS		Units mg/L						
SampID: 24101589-009BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.69	10.00	0.2300	94.6	80	120	10/31/2024
Chloride		5.00		279	200.0	71.20	104.1	80	120	10/31/2024
Sulfate		10.0		235	200.0	48.10	93.4	80	120	10/31/2024

Batch R355425		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-009BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.71	10.00	0.2300	94.8	9.691	0.18	
Chloride			5.00		280	200.0	71.20	104.2	279.3	0.10	
Sulfate			10.0		235	200.0	48.10	93.5	234.9	0.08	

Batch R355425		SampType: MS		Units mg/L							Date Analyzed	
SampID: 24101589-019BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Fluoride		0.50		9.61	10.00	0	96.1	80	120			
Chloride		5.00		284	200.0	75.36	104.4	80	120			
Sulfate		10.0		268	200.0	78.56	94.5	80	120			



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

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Batch R355425		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-019BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.64	10.00	0	96.4	9.614	0.31		
Chloride		5.00		284	200.0	75.36	104.2	284.1	0.15		
Sulfate		10.0		267	200.0	78.56	94.4	267.7	0.11		

Batch R355425		SampType: MS		Units mg/L						
SampID: 24101589-024BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.86	10.00	0.3490	95.1	80	120	10/31/2024
Chloride		5.00		336	200.0	121.8	107.0	80	120	10/31/2024
Sulfate		10.0		2220	200.0	2042	91.2	80	120	10/31/2024

Batch R355425		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-024BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.92	10.00	0.3490	95.7	9.859	0.62	10/31/2024
Chloride			5.00		336	200.0	121.8	106.9	335.8	0.09	10/31/2024
Sulfate			10.0		2210	200.0	2042	82.6	2225	0.77	10/31/2024

Batch R355512		SampType: MS		Units mg/L						
SampID: 24101589-004BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.56	10.00	0	95.6	80	120	11/02/2024
Chloride		5.00		290	200.0	79.58	105.3	80	120	11/02/2024
Sulfate		10.0		268	200.0	77.84	95.1	80	120	11/02/2024

Batch R355512		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.65	10.00	0	96.5	9.558	0.94		
Chloride		5.00		292	200.0	79.58	106.3	290.1	0.74		
Sulfate		10.0		270	200.0	77.84	96.1	268.1	0.74		



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Client: Ramboll

Work Order: 24101589

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Batch R355512		SampType: MS		Units mg/L						
SampID: 24101589-005BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.84	10.00	0	98.4	80	120	11/01/2024
Chloride		5.00		218	200.0	16.28	100.8	80	120	11/01/2024
Sulfate		10.0		262	200.0	71.52	95.4	80	120	11/01/2024

Batch R355512		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-005BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.81	10.00	0	98.1	9.845	0.40	11/01/2024
Chloride		5.00		217	200.0	16.28	100.4	217.9	0.36	11/01/2024
Sulfate		10.0		261	200.0	71.52	94.7	262.4	0.57	11/01/2024

Batch R355512		SampType: MS		Units mg/L						
SampID: 24101589-096BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.91	10.00	0	99.1	80	120	11/01/2024
Chloride		5.00		221	200.0	17.48	101.5	80	120	11/01/2024
Sulfate		10.0		269	200.0	76.04	96.3	80	120	11/01/2024

Batch R355512		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-096BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.92	10.00	0	99.2	9.906	0.16	11/01/2024
Chloride			5.00		221	200.0	17.48	101.7	220.5	0.13	11/01/2024
Sulfate			10.0		268	200.0	76.04	96.1	268.6	0.15	11/01/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24101589-030BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.3	10.00	0.3450	99.6	80	120	11/06/2024
Chloride		5.00		267	200.0	51.45	108.0	80	120	11/06/2024
Sulfate		10.0		278	200.0	85.79	96.2	80	120	11/06/2024



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Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-030BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.3	10.00	0.3450	99.5	10.30	0.10	11/06/2024
Chloride		5.00		267	200.0	51.45	107.6	267.5	0.35	11/06/2024
Sulfate		10.0		277	200.0	85.79	95.6	278.2	0.42	11/06/2024

Batch R355714		SampType: MS		Units mg/L							
SampID: 24102205-004BMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Fluoride			0.50		9.98	10.00	0.2120	97.7	80	120	
Chloride			5.00		1120	200.0	901.9	108.1	80	120	

Batch R355714		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24102205-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.97	10.00	0.2120	97.6	9.978	0.06	11/06/2024
Chloride			5.00		1120	200.0	901.9	109.4	1118	0.24	11/06/2024

Batch R355776		SampType: MS		Units mg/L						
SampID: 24101589-088BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.82	10.00	0.2610	95.6	80	120	11/08/2024
Chloride		5.00		345	200.0	123.9	110.4	80	120	11/08/2024
Sulfate		10.0		431	200.0	233.7	98.7	80	120	11/08/2024

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-088BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.87	10.00	0.2610	96.1	9.818	0.57	11/08/2024
Chloride		5.00		346	200.0	123.9	110.9	344.8	0.25	11/08/2024
Sulfate		10.0		432	200.0	233.7	99.0	431.2	0.12	11/08/2024

Batch R355776		SampType: MS		Units mg/L						
SampID: 24110554-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.97	10.00	0.2540	97.2	80	120	11/07/2024
Chloride		5.00		209	200.0	1.012	103.8	80	120	11/07/2024
Sulfate		10.0		201	200.0	12.86	94.1	80	120	11/07/2024



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Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110554-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.0	10.00	0.2540	97.6	9.971	0.40	11/07/2024
Chloride		5.00		209	200.0	1.012	103.9	208.7	0.04	11/07/2024
Sulfate		10.0		202	200.0	12.86	94.4	201.1	0.23	11/07/2024

Batch R355776		SampType: MS		Units mg/L						
SampID: 24110554-004BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.7	10.00	0.9520	97.6	80	120	11/07/2024
Chloride		5.00		210	200.0	1.824	104.0	80	120	11/07/2024
Sulfate		10.0		225	200.0	34.81	95.1	80	120	11/07/2024

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110554-004BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.7	10.00	0.9520	97.5	10.71	0.07	11/07/2024
Chloride		5.00		209	200.0	1.824	103.7	209.9	0.31	11/07/2024
Sulfate		10.0		225	200.0	34.81	95.0	225.1	0.11	11/07/2024

Batch R355776		SampType: MS		Units mg/L						
SampID: 24110556-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.70	10.00	0	97.0	80	120	11/07/2024
Chloride		5.00		231	200.0	20.95	105.0	80	120	11/07/2024
Sulfate		10.0		244	200.0	53.95	95.1	80	120	11/07/2024

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110556-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.77	10.00	0	97.7	9.695	0.76	11/08/2024
Chloride		5.00		233	200.0	20.95	105.8	230.9	0.73	11/08/2024
Sulfate		10.0		245	200.0	53.95	95.7	244.1	0.54	11/08/2024

Batch R355845		SampType: MS		Units mg/L						
SampID: 24102205-004BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate		20.0		2680	400.0	2256	104.9	80	120	11/08/2024



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SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355845		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24102205-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20.0		2670	400.0	2256	103.6	2676	0.19	11/08/2024

Batch R355845		SampType: MS		Units mg/L						
SampID: 24102205-011BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.82	10.00	0.3660	94.6	80	120	11/08/2024
Chloride		5.00		585	200.0	364.5	110.3	80	120	11/08/2024
Sulfate		10.0		210	200.0	26.58	91.8	80	120	11/08/2024

Batch R355845		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24102205-011BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.83	10.00	0.3660	94.6	9.823	0.03	11/08/2024
Chloride			5.00		584	200.0	364.5	109.8	585.1	0.18	11/08/2024
Sulfate			10.0		211	200.0	26.58	92.4	210.1	0.56	11/08/2024

Batch R355845		SampType: MS		Units mg/L						
SampID: 24102207-011BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.4	10.00	0.9280	94.3	80	120	11/08/2024
Chloride		5.00		451	200.0	230.6	110.0	80	120	11/08/2024
Sulfate		10.0		182	200.0	0	91.0	80	120	11/08/2024

Batch R355845		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24102207-011BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.4	10.00	0.9280	95.0	10.36	0.74	11/08/2024
Chloride		5.00		453	200.0	230.6	111.1	450.7	0.45	11/08/2024
Sulfate		10.0		183	200.0	0	91.7	182.0	0.81	11/08/2024

Batch R355946		SampType: MS		Units mg/L						
SampID: 24102207-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.1	10.00	0.7800	103.7	80	120	11/12/2024
Chloride		5.00		308	200.0	89.74	109.2	80	120	11/12/2024
Sulfate		10.0		199	200.0	12.12	93.3	80	120	11/12/2024



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Batch R355946		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24102207-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		11.2	10.00	0.7800	104.5	11.15	0.73		
Chloride		5.00		309	200.0	89.74	109.7	308.2	0.29		
Sulfate		10.0		200	200.0	12.12	93.9	198.7	0.61		

Batch R355946		SampType: MS		Units mg/L							
SampID: 24102207-004BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		10.7	10.00	0.2980	103.8	80	120	11/12/2024	
Chloride		5.00		542	200.0	319.5	111.4	80	120	11/12/2024	
Sulfate		10.0		1170	200.0	971.0	99.1	80	120	11/12/2024	

Batch R355946		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24102207-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		10.7	10.00	0.2980	104.0	10.68	0.18		
Chloride		5.00		541	200.0	319.5	110.6	542.2	0.28		
Sulfate		10.0		1160	200.0	971.0	97.0	1169	0.37		

Batch R355946		SampType: MS		Units mg/L						
SampID: 24102207-017BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.8	10.00	0.5350	103.0	80	120	11/12/2024
Chloride		5.00		235	200.0	25.71	104.8	80	120	11/12/2024
Sulfate		10.0		339	200.0	145.3	96.7	80	120	11/12/2024

Batch R355946		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24102207-017BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		10.9	10.00	0.5350	103.8	10.83	0.75	
Chloride			5.00		237	200.0	25.71	105.4	235.2	0.54	
Sulfate			10.0		339	200.0	145.3	96.9	338.7	0.13	



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Batch R355946		SampType: MS		Units mg/L						
SampID: 24110119-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.2	10.00	0	102.2	80	120	11/13/2024
Chloride		5.00		326	200.0	105.1	110.7	80	120	11/13/2024
Sulfate		10.0		467	200.0	262.8	102.1	80	120	11/13/2024

Batch R355946		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110119-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.3	10.00	0	103.0	10.22	0.71	11/13/2024
Chloride			5.00		328	200.0	105.1	111.5	326.5	0.50	11/13/2024
Sulfate			10.0		468	200.0	262.8	102.7	466.9	0.25	11/13/2024

Batch R355946		SampType: MS		Units mg/L						
SampID: 24110810-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.6	10.00	0.3230	102.8	80	120	11/12/2024
Chloride		5.00		249	200.0	37.34	105.6	80	120	11/12/2024
Sulfate		10.0		289	200.0	97.89	95.5	80	120	11/12/2024

Batch R355946		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24110810-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		10.7	10.00	0.3230	103.5	10.60	0.65	
Chloride			5.00		251	200.0	37.34	106.7	248.6	0.90	
Sulfate			10.0		291	200.0	97.89	96.8	288.9	0.89	

Batch R355946		SampType: MS		Units mg/L						
SampID: 24110889-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.8	10.00	0.6280	102.1	80	120	11/13/2024
Chloride		5.00		305	200.0	86.92	109.1	80	120	11/13/2024
Sulfate		10.0		213	200.0	24.74	94.0	80	120	11/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355946		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24110889-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		10.8	10.00	0.6280	101.9	10.83	0.11	11/13/2024	
Chloride		5.00		305	200.0	86.92	108.9	305.2	0.11	11/13/2024	
Sulfate		10.0		213	200.0	24.74	94.0	212.8	0.01	11/13/2024	

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355359		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		ND						10/30/2024	
Chloride		0.50		ND						10/30/2024	
Sulfate		1.00		ND						10/30/2024	

Batch R355359		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.97	1.000	0	97.2	90	110	10/30/2024
Chloride		0.50		19.7	20.00	0	98.4	90	110	10/30/2024
Sulfate		1.00		18.4	20.00	0	91.8	90	110	10/30/2024

Batch R355359		SampType: MS		Units mg/L						
SampID: 24101589-027AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.76	10.00	0.2400	95.2	80	120	10/30/2024
Chloride		5.00		249	200.0	48.34	100.2	80	120	10/30/2024
Sulfate		10.0		289	200.0	102.5	93.1	80	120	10/30/2024

Batch R355359		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-027AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.80	10.00	0.2400	95.6	9.765	0.38	10/30/2024
Chloride			5.00		250	200.0	48.34	100.6	248.7	0.35	10/30/2024
Sulfate			10.0		289	200.0	102.5	93.4	288.8	0.18	10/30/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355425		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						10/31/2024	
Chloride		0.50		ND						10/31/2024	
Sulfate		1.00		ND						10/31/2024	

Batch R355425		SampType: LCS		Units mg/L							
SampID: LCS/ICV/QCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		0.94	1.000	0	93.5	90	110	10/31/2024	
Chloride		0.50		19.6	20.00	0	98.1	90	110	10/31/2024	
Sulfate		1.00		18.3	20.00	0	91.7	90	110	10/31/2024	

Batch R355425		SampType: MS		Units mg/L						
SampID: 24101589-006AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.53	10.00	0	95.3	80	120	10/31/2024
Chloride		5.00		268	200.0	63.64	102.4	80	120	10/31/2024
Sulfate		10.0		265	200.0	78.31	93.3	80	120	10/31/2024

Batch R355425		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-006AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.62	10.00	0	96.2	9.529	0.97	10/31/2024
Chloride		5.00		271	200.0	63.64	103.6	268.4	0.86	10/31/2024
Sulfate		10.0		267	200.0	78.31	94.4	264.9	0.82	10/31/2024

Batch R355425		SampType: MS		Units mg/L						
SampID: 24101589-007AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.61	10.00	0	96.1	80	120	10/31/2024
Chloride		5.00		256	200.0	50.80	102.8	80	120	10/31/2024
Sulfate		10.0		257	200.0	68.95	94.2	80	120	10/31/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355425		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-007AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.62	10.00	0	96.2	9.609	0.17	10/31/2024
Chloride		5.00		256	200.0	50.80	102.6	256.3	0.14	10/31/2024
Sulfate		10.0		257	200.0	68.95	93.9	257.4	0.26	10/31/2024

Batch R355512		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.05		ND						11/01/2024
Chloride			0.50		ND						11/01/2024
Sulfate			1.00		ND						11/01/2024

Batch R355512		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.94	1.000	0	94.3	90	110	11/01/2024
Chloride		0.50		19.7	20.00	0	98.4	90	110	11/01/2024
Sulfate		1.00		18.3	20.00	0	91.7	90	110	11/01/2024

Batch R355512		SampType: MS		Units mg/L						
SampID: 24101589-005AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.79	10.00	0	97.9	80	120	11/01/2024
Chloride		5.00		220	200.0	18.26	101.0	80	120	11/01/2024
Sulfate		10.0		269	200.0	78.37	95.1	80	120	11/01/2024

Batch R355512		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-005AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.81	10.00	0	98.1	9.791	0.21	11/01/2024
Chloride		5.00		221	200.0	18.26	101.2	220.3	0.16	11/01/2024
Sulfate		10.0		269	200.0	78.37	95.4	268.7	0.19	11/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355512		SampType: MS		Units mg/L						
SampID: 24101589-031AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.82	10.00	0.2360	95.8	80	120	11/01/2024
Chloride		5.00		240	200.0	34.88	102.4	80	120	11/01/2024
Sulfate		10.0		221	200.0	32.82	93.9	80	120	11/01/2024

Batch R355512		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24101589-031AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.86	10.00	0.2360	96.2	9.816	0.42	
Chloride			5.00		241	200.0	34.88	102.9	239.7	0.44	
Sulfate			10.0		221	200.0	32.82	94.2	220.6	0.31	

Batch R355512		SampType: MS		Units mg/L						
SampID: 24102733-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.75	10.00	0	97.5	80	120	11/01/2024
Chloride		5.00		206	200.0	7.207	99.5	80	120	11/01/2024
Sulfate		10.0		192	200.0	8.074	92.2	80	120	11/01/2024

Batch R355512		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24102733-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.74	10.00	0	97.4	9.749	0.06	
Chloride			5.00		206	200.0	7.207	99.4	206.1	0.09	
Sulfate			10.0		193	200.0	8.074	92.3	192.5	0.13	

Batch R355512		SampType: MS		Units mg/L						
SampID: 24102802-003BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		5.00		290	200.0	78.92	105.6	80	120	11/01/2024
Sulfate		10.0		372	200.0	175.0	98.4	80	120	11/01/2024

Batch R355512		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24102802-003BMDS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chloride			5.00		290	200.0	78.92	105.8	290.0	0.15	11/01/2024
Sulfate			10.0		372	200.0	175.0	98.5	371.8	0.07	11/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355512		SampType: MS		Units mg/L						
SampID: 24110049-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.36	10.00	0	93.6	80	120	11/02/2024
Chloride		5.00		199	200.0	1.325	99.1	80	120	11/02/2024
Sulfate		10.0		225	200.0	37.58	94.0	80	120	11/02/2024

Batch R355512		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24110049-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.25	10.00	0	92.5	9.360	1.19	11/02/2024
Chloride			5.00		197	200.0	1.325	97.8	199.5	1.30	11/02/2024
Sulfate			10.0		223	200.0	37.58	92.6	225.5	1.25	11/02/2024

Batch R355512		SampType: MS		Units mg/L						
SampID: 24110049-005AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		13.8	10.00	4.400	94.4	80	120	11/02/2024
Chloride		5.00		521	200.0	303.5	108.8	80	120	11/02/2024
Sulfate		10.0		407	200.0	210.9	98.1	80	120	11/02/2024

Batch R355512		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110049-005AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		13.8	10.00	4.400	93.6	13.84	0.55	11/02/2024
Chloride		5.00		517	200.0	303.5	106.9	521.2	0.74	11/02/2024
Sulfate		10.0		404	200.0	210.9	96.7	407.2	0.71	11/02/2024

Batch R355512		SampType: MS		Units mg/L							
SampID: 24110059-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		50.0		3100	2000	994.0	105.4	80	120	11/02/2024	

Batch R355512		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110059-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		50.0		3120	2000	994.0	106.2	3101	0.56	11/02/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355512		SampType: MS		Units mg/L							
SampID: 24110068-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		50.0		12100	2000	10220	91.7	80	120	11/02/2024	

Batch R355512		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110068-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			50.0		12000	2000	10220	89.7	12060	0.33	11/02/2024

Batch R355616		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						11/05/2024	
Chloride		0.50		ND						11/05/2024	
Sulfate		1.00		ND						11/05/2024	

Batch R355616		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		1.00	1.000	0	100.4	90	110	11/05/2024
Chloride		0.50		20.5	20.00	0	102.7	90	110	11/05/2024
Sulfate		1.00		18.5	20.00	0	92.6	90	110	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24100001-022AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		11.4	10.00	1.197	101.9	80	120	11/05/2024
Chloride		5.00		1220	200.0	1042	91.0	80	120	11/05/2024
Sulfate		10.0		365	200.0	169.8	97.8	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24100001-022AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		11.4	10.00	1.197	102.5	11.39	0.49	11/05/2024
Chloride			5.00		1220	200.0	1042	89.9	1224	0.19	11/05/2024
Sulfate			10.0		366	200.0	169.8	98.0	365.3	0.11	11/05/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110188-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.88	10.00	0	98.8	80	120	11/05/2024
Chloride		5.00		374	200.0	155.0	109.5	80	120	11/05/2024
Sulfate		10.0		730	200.0	531.6	99.1	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110188-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.93	10.00	0	99.3	9.875	0.53	11/05/2024
Chloride			5.00		375	200.0	155.0	110.1	374.1	0.30	11/05/2024
Sulfate			10.0		731	200.0	531.6	99.5	729.9	0.10	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110189-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.92	10.00	0	99.2	80	120	11/05/2024
Chloride		5.00		223	200.0	16.85	103.1	80	120	11/05/2024
Sulfate		10.0		1160	200.0	953.2	101.9	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110189-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.96	10.00	0	99.6	9.923	0.37	11/05/2024
Chloride			5.00		224	200.0	16.85	103.5	223.1	0.31	11/05/2024
Sulfate			10.0		1160	200.0	953.2	103.3	1157	0.24	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110221-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.84	10.00	0	98.4	80	120	11/05/2024
Chloride		5.00		215	200.0	9.207	102.7	80	120	11/05/2024
Sulfate		10.0		220	200.0	33.48	93.2	80	120	11/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110221-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.85	10.00	0	98.5	9.843	0.03	11/05/2024
Chloride		5.00		214	200.0	9.207	102.6	214.7	0.14	11/05/2024
Sulfate		10.0		219	200.0	33.48	92.9	219.8	0.27	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110232-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.7	10.00	0.7990	98.8	80	120	11/05/2024
Chloride		5.00		213	200.0	7.226	102.8	80	120	11/05/2024
Sulfate		10.0		299	200.0	107.0	95.8	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110232-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.7	10.00	0.7990	98.6	10.68	0.20	11/05/2024
Chloride		5.00		213	200.0	7.226	102.7	212.9	0.09	11/05/2024
Sulfate		10.0		299	200.0	107.0	95.8	298.6	0.01	11/05/2024

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110234-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.91	10.00	0	99.1	80	120	11/06/2024
Chloride		5.00		225	200.0	16.08	104.2	80	120	11/06/2024
Sulfate		10.0		225	200.0	39.18	93.1	80	120	11/06/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110234-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.96	10.00	0	99.6	9.907	0.54	11/06/2024
Chloride		5.00		224	200.0	16.08	103.7	224.5	0.43	11/06/2024
Sulfate		10.0		225	200.0	39.18	92.7	225.4	0.38	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355616		SampType: MS		Units mg/L						
SampID: 24110236-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.87	10.00	0	98.7	80	120	11/05/2024
Chloride		5.00		207	200.0	2.717	102.3	80	120	11/05/2024
Sulfate		10.0		187	200.0	0	93.4	80	120	11/05/2024

Batch R355616		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110236-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.81	10.00	0	98.1	9.870	0.59	11/05/2024
Chloride			5.00		206	200.0	2.717	101.7	207.3	0.64	11/05/2024
Sulfate			10.0		186	200.0	0	92.8	186.8	0.69	11/05/2024

Batch R355714		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						11/06/2024	
Chloride		0.50		ND						11/06/2024	
Sulfate		1.00		ND						11/06/2024	

Batch R355714		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.98	1.000	0	97.5	90	110	11/06/2024
Chloride		0.50		20.5	20.00	0	102.6	90	110	11/06/2024
Sulfate		1.00		18.5	20.00	0	92.6	90	110	11/06/2024

Batch R355714		SampType: MS		Units mg/L						
SampID: 24101589-067AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.4	10.00	0.5160	98.9	80	120	11/06/2024
Chloride		5.00		217	200.0	8.500	104.0	80	120	11/06/2024
Sulfate		10.0		1050	200.0	848.7	98.9	80	120	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355714		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-067AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.5	10.00	0.5160	99.4	10.40	0.48	11/06/2024
Chloride		5.00		218	200.0	8.500	104.5	216.5	0.45	11/06/2024
Sulfate		10.0		1050	200.0	848.7	98.8	1046	0.01	11/06/2024

Batch R355714		SampType: MS		Units mg/L							
SampID: 24110260-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		10.0	10.00	0.2180	98.1	80	120	11/06/2024	
Chloride		5.00		222	200.0	13.04	104.6	80	120	11/06/2024	
Sulfate		10.0		440	200.0	235.5	102.1	80	120	11/06/2024	

Batch R355714		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110260-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.1	10.00	0.2180	98.6	10.03	0.54	11/06/2024
Chloride		5.00		223	200.0	13.04	104.9	222.3	0.19	11/06/2024
Sulfate		10.0		435	200.0	235.5	99.8	439.7	1.05	11/06/2024

Batch R355714		SampType: MS		Units mg/L							Date Analyzed
SampID: 24110284-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.50		9.75	10.00	0	97.5	80	120	11/06/2024	
Chloride		5.00		209	200.0	1.442	103.8	80	120	11/06/2024	
Sulfate		10.0		219	200.0	29.47	94.6	80	120	11/06/2024	

Batch R355714		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24110284-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		9.77	10.00	0	97.7	9.752	0.15	11/06/2024
Chloride			5.00		209	200.0	1.442	103.8	209.0	0.03	11/06/2024
Sulfate			10.0		218	200.0	29.47	94.5	218.7	0.13	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355714		SampType: MS		Units mg/L						
SampID: 24110284-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.70	10.00	0	97.0	80	120	11/06/2024
Chloride		5.00		207	200.0	0	103.4	80	120	11/06/2024
Sulfate		10.0		187	200.0	0	93.6	80	120	11/06/2024

Batch R355714		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24110284-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.76	10.00	0	97.6	9.701	0.56	11/06/2024
Chloride			5.00		208	200.0	0	103.8	206.8	0.43	11/06/2024
Sulfate			10.0		188	200.0	0	93.8	187.3	0.14	11/06/2024

Batch R355714		SampType: MS		Units mg/L						
SampID: 24110340-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.90	10.00	0	99.0	80	120	11/06/2024
Chloride		5.00		234	200.0	21.17	106.6	80	120	11/06/2024
Sulfate		10.0		200	200.0	11.46	94.5	80	120	11/06/2024

Batch R355714		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110340-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.87	10.00	0	98.7	9.895	0.29	11/06/2024
Chloride			5.00		233	200.0	21.17	106.0	234.4	0.54	11/06/2024
Sulfate			10.0		199	200.0	11.46	94.0	200.4	0.47	11/06/2024

Batch R355714		SampType: MS		Units mg/L						
SampID: 24110342-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.75	10.00	0	97.5	80	120	11/07/2024
Chloride		5.00		208	200.0	1.694	103.3	80	120	11/07/2024
Sulfate		10.0		240	200.0	51.08	94.4	80	120	11/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355714		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24110342-001BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		9.85	10.00	0	98.5	9.753	1.00		
Chloride		5.00		211	200.0	1.694	104.4	208.3	1.05		
Sulfate		10.0		239	200.0	51.08	94.0	239.8	0.28		

Batch R355714		SampType: MS		Units mg/L						
SampID: 24110360-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.4	10.00	0.4920	99.2	80	120	11/06/2024
Chloride		5.00		409	200.0	181.4	113.9	80	120	11/06/2024
Sulfate		10.0		231	200.0	39.35	95.6	80	120	11/06/2024

Batch R355714		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24110360-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		10.4	10.00	0.4920	99.0	10.41	0.13		
Chloride		5.00		409	200.0	181.4	114.0	409.2	0.04		
Sulfate		10.0		231	200.0	39.35	95.7	230.6	0.08		

Batch R355776		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						11/07/2024	
Chloride		0.50		ND						11/07/2024	
Sulfate		1.00		ND						11/07/2024	

Batch R355776		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.95	1.000	0	95.4	90	110	11/07/2024
Chloride		0.50		20.5	20.00	0	102.6	90	110	11/07/2024
Sulfate		1.00		18.6	20.00	0	92.8	90	110	11/07/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355776		SampType: MS		Units mg/L						
SampID: 24101589-083AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.2	10.00	0.5760	96.2	80	120	11/07/2024
Chloride		5.00		220	200.0	11.94	103.9	80	120	11/07/2024
Sulfate		10.0		417	200.0	219.4	98.8	80	120	11/07/2024

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-083AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.3	10.00	0.5760	97.3	10.20	0.99	11/07/2024
Chloride			5.00		222	200.0	11.94	104.9	219.7	0.90	11/07/2024
Sulfate			10.0		420	200.0	219.4	100.2	417.0	0.66	11/07/2024

Batch R355776		SampType: MS		Units mg/L						
SampID: 24110458-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.78	10.00	0	97.8	80	120	11/07/2024
Chloride		5.00		209	200.0	2.756	102.9	80	120	11/07/2024
Sulfate		10.0		225	200.0	37.62	93.7	80	120	11/07/2024

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110458-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.80	10.00	0	98.0	9.778	0.27	11/07/2024
Chloride		5.00		209	200.0	2.756	103.1	208.6	0.19	11/07/2024
Sulfate		10.0		226	200.0	37.62	94.2	225.1	0.42	11/07/2024

Batch R355776		SampType: MS		Units mg/L						
SampID: 24110475-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.0	10.00	0.4720	95.2	80	120	11/07/2024
Chloride		5.00		260	200.0	49.06	105.6	80	120	11/07/2024
Sulfate		10.0		224	200.0	38.23	92.9	80	120	11/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110475-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.1	10.00	0.4720	96.3	9.995	1.04	11/07/2024
Chloride		5.00		263	200.0	49.06	106.9	260.3	0.99	11/07/2024
Sulfate		10.0		226	200.0	38.23	94.0	224.1	0.99	11/07/2024

Batch R355776		SampType: MS		Units mg/L						
SampID: 24110498-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.76	10.00	0	97.6	80	120	11/07/2024
Chloride		5.00		222	200.0	14.43	104.0	80	120	11/07/2024
Sulfate		10.0		427	200.0	227.9	99.3	80	120	11/07/2024

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110498-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.78	10.00	0	97.8	9.758	0.18	11/07/2024
Chloride		5.00		223	200.0	14.43	104.5	222.4	0.47	11/07/2024
Sulfate		10.0		427	200.0	227.9	99.4	426.6	0.02	11/07/2024

Batch R355776		SampType: MS		Units mg/L						
SampID: 24110515-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.66	10.00	0	96.6	80	120	11/07/2024
Chloride		5.00		206	200.0	0	102.9	80	120	11/07/2024
Sulfate		10.0		189	200.0	3.760	92.6	80	120	11/07/2024

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24110515-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.67	10.00	0	96.7	9.661	0.08	11/07/2024
Chloride		5.00		206	200.0	0	102.9	205.8	0.03	11/07/2024
Sulfate		10.0		189	200.0	3.760	92.6	188.9	0.02	11/07/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355776		SampType: MS		Units mg/L						
SampID: 24110581-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.78	10.00	0	97.8	80	120	11/08/2024
Chloride		5.00		215	200.0	5.634	104.5	80	120	11/08/2024
Sulfate		10.0		240	200.0	48.26	95.7	80	120	11/08/2024

Batch R355776		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110581-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.75	10.00	0	97.5	9.783	0.37	11/08/2024
Chloride			5.00		214	200.0	5.634	104.3	214.6	0.16	11/08/2024
Sulfate			10.0		239	200.0	48.26	95.5	239.7	0.21	11/08/2024

Batch R355845		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						11/08/2024	
Chloride		0.50		ND						11/08/2024	
Sulfate		1.00		ND						11/08/2024	

Batch R355845		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		0.95	1.000	0	95.2	90	110	11/08/2024
Chloride		0.50		20.5	20.00	0	102.7	90	110	11/08/2024
Sulfate		1.00		18.6	20.00	0	92.8	90	110	11/08/2024

Batch R355845		SampType: MS		Units mg/L						
SampID: 24101589-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.64	10.00	0	96.4	80	120	11/08/2024
Chloride		5.00		210	200.0	3.131	103.4	80	120	11/08/2024
Sulfate		10.0		1380	200.0	1173	105.9	80	120	11/08/2024



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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355845		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.67	10.00	0	96.7	9.637	0.31	11/08/2024
Chloride		5.00		210	200.0	3.131	103.5	209.8	0.15	11/08/2024
Sulfate		10.0		1380	200.0	1173	103.5	1385	0.34	11/08/2024

Batch R355845		SampType: MS		Units mg/L						
SampID: 24101589-063AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.0	10.00	0.3920	96.3	80	120	11/08/2024
Chloride		5.00		222	200.0	14.40	104.0	80	120	11/08/2024
Sulfate		10.0		1020	200.0	819.3	102.6	80	120	11/08/2024

Batch R355845		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24101589-063AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.92	10.00	0.3920	95.3	10.02	1.02	11/08/2024
Chloride			5.00		219	200.0	14.40	102.5	222.4	1.41	11/08/2024
Sulfate			10.0		1020	200.0	819.3	102.0	1024	0.11	11/08/2024

Batch R355845		SampType: MS		Units mg/L						
SampID: 24101589-099AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.89	10.00	0	98.9	80	120	11/09/2024
Chloride		5.00		219	200.0	10.82	104.0	80	120	11/09/2024
Sulfate		10.0		663	200.0	461.6	101.0	80	120	11/09/2024

Batch R355845		SampType: MSD		Units mg/L				RPD Limit 15		
SampID: 24101589-099AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		9.94	10.00	0	99.4	9.890	0.55	11/09/2024
Chloride		5.00		220	200.0	10.82	104.6	218.8	0.59	11/09/2024
Sulfate		10.0		666	200.0	461.6	102.3	663.5	0.39	11/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355845		SampType: MS		Units mg/L						
SampID: 24110557-003BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		9.54	10.00	0	95.4	80	120	11/08/2024
Chloride		5.00		397	200.0	176.6	110.0	80	120	11/08/2024
Sulfate		10.0		304	200.0	114.5	94.7	80	120	11/08/2024

Batch R355845		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110557-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		9.50	10.00	0	95.0	9.543	0.42	11/08/2024
Chloride			5.00		394	200.0	176.6	108.7	396.5	0.66	11/08/2024
Sulfate			10.0		302	200.0	114.5	93.8	303.9	0.61	11/08/2024

Batch R355845		SampType: MS		Units mg/L							
SampID: 24110736-001AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride			0.50		87.4	10.00	77.95	94.5	80	120	11/09/2024

Batch R355845		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24110736-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.50		87.3	10.00	77.95	93.2	87.40	0.15	11/09/2024	

Batch R355946		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						11/12/2024	
Chloride		0.50		ND						11/12/2024	
Sulfate		1.00		ND						11/12/2024	

Batch R355946		SampType: MBLK		Units mg/L							
SampID: MBLK-230952											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.05		ND						11/13/2024	
Chloride	*	0.50	J	0.19						11/13/2024	
Sulfate	*	1.00		ND						11/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355946		SampType: LCS		Units mg/L						
SampID: LCS/ICV/QCS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.05		1.02	1.000	0	102.1	90	110	11/12/2024
Chloride		0.50		20.4	20.00	0	102.0	90	110	11/12/2024
Sulfate		1.00		18.5	20.00	0	92.4	90	110	11/12/2024

Batch R355946		SampType: MS		Units mg/L						
SampID: 24110016-004BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.5	10.00	0.2460	102.5	80	120	11/12/2024
Chloride		5.00		527	200.0	305.2	111.1	80	120	11/12/2024
Sulfate		10.0		307	200.0	113.5	96.6	80	120	11/12/2024

Batch R355946		SampType: MSD		Units mg/L					RPD Limit 15		Date Analyzed
SampID: 24110016-004BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride		0.50		10.5	10.00	0.2460	102.6	10.50	0.11	11/12/2024	
Chloride		5.00		526	200.0	305.2	110.2	527.3	0.33	11/12/2024	
Sulfate		10.0		306	200.0	113.5	96.5	306.7	0.09	11/12/2024	

Batch R355946		SampType: MS		Units mg/L						
SampID: 24110016-007BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.4	10.00	0	103.7	80	120	11/12/2024
Chloride		5.00		254	200.0	40.86	106.6	80	120	11/12/2024
Sulfate		10.0		391	200.0	190.9	100.0	80	120	11/12/2024

Batch R355946		SampType: MSD		Units mg/L					RPD Limit 15	
SampID: 24110016-007BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		0.50		10.4	10.00	0	104.2	10.37	0.47	11/12/2024
Chloride		5.00		255	200.0	40.86	107.0	254.1	0.30	11/12/2024
Sulfate		10.0		390	200.0	190.9	99.4	390.8	0.28	11/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R355946		SampType: MS		Units mg/L							
SampID: 24110772-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		10.6	10.00	0.2490	103.2	80	120	11/12/2024	
Chloride		5.00		221	200.0	11.70	104.5	80	120	11/12/2024	
Sulfate		10.0		411	200.0	211.4	99.8	80	120	11/12/2024	

Batch R355946		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110772-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.5	10.00	0.2490	102.8	10.57	0.39	11/12/2024
Chloride			5.00		220	200.0	11.70	104.1	220.7	0.35	11/12/2024
Sulfate			10.0		409	200.0	211.4	98.9	411.0	0.43	11/12/2024

Batch R356900		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.05		ND						12/03/2024	
Chloride		0.50		ND						12/03/2024	
Sulfate		1.00		ND						12/03/2024	

Batch R356900		SampType: LCS		Units mg/L							
SampID: LCS/ICV/QCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride		0.05		0.99	1.000	0	99.1	90	110	12/03/2024	
Chloride		0.50		20.1	20.00	0	100.5	90	110	12/03/2024	
Sulfate		1.00		18.3	20.00	0	91.5	90	110	12/03/2024	

Batch R356900		SampType: MS		Units mg/L							
SampID: 24112363-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		50.0		6320	2000	4148	108.8	80	120	12/03/2024	
Sulfate		100		1990	2000	157.9	91.8	80	120	12/03/2024	

Batch R356900		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24112363-001AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chloride			50.0		6240	2000	4148	104.7	6323	1.32	12/03/2024
Sulfate			100		1990	2000	157.9	91.6	1995	0.24	12/03/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R356900		SampType: MS		Units mg/L						
SampID: 24120076-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.50		10.1	10.00	0	101.1	80	120	12/03/2024
Chloride		5.00		208	200.0	8.385	99.7	80	120	12/03/2024
Sulfate		10.0		509	200.0	304.8	101.9	80	120	12/03/2024

Batch R356900		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24120076-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.50		10.1	10.00	0	101.4	10.11	0.34	12/03/2024
Chloride			5.00		208	200.0	8.385	99.8	207.8	0.05	12/03/2024
Sulfate			10.0		514	200.0	304.8	104.3	508.6	0.97	12/03/2024

Batch R356900		SampType: MS		Units mg/L						
SampID: 24120078-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Fluoride		0.10		2.17	2.000	0.1756	99.6	80	120	12/03/2024
Chloride		1.00		49.4	40.00	8.713	101.8	80	120	12/03/2024
Sulfate		2.00		394	40.00	356.4	92.8	80	120	12/03/2024

Batch R356900		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24120078-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride			0.10		2.16	2.000	0.1756	99.2	2.167	0.37	12/03/2024
Chloride			1.00		49.4	40.00	8.713	101.6	49.42	0.12	12/03/2024
Sulfate			2.00		398	40.00	356.4	104.0	393.6	1.13	12/03/2024

SW-846 9060A

Batch R355881		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	11/08/2024

Batch R355881		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	97.8	90	110	11/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9060A

Batch R355881		SampType: MS		Units mg/L							Date
SampID: 24110581-003DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		3.3	2.500	0.9400	94.0	85	115	11/08/2024	

Batch R355881		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110581-003DMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Organic Carbon (TOC)		1.0		3.3	2.500	0.9400	94.8	3.290	0.61	11/08/2024		

Batch R355881		SampType: MS		Units mg/L							Date
SampID: 24110594-001EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Organic Carbon (TOC)		1.0		6.5	2.500	4.090	97.6	85	115	11/08/2024	

Batch R355881		SampType: MSD		Units mg/L							RPD Limit 10	Date
SampID: 24110594-001EMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Organic Carbon (TOC)		1.0		6.6	2.500	4.090	99.6	6.530	0.76	11/08/2024		

Batch R355881		SampType: DUP		Units mg/L							RPD Limit 10	Date
SampID: 24110594-001EDUP												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Organic Carbon (TOC)		1.0		4.1				4.090	0.97	11/08/2024		

Batch R355881		SampType: DUP		Units mg/L							RPD Limit 10	Date
SampID: 24110749-003BDUP												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Total Organic Carbon (TOC)		5.0		15.7				15.66	0.32	11/08/2024		

SW-846 9066 (TOTAL)

Batch R355691		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	11/05/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R355691		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	102.9	90	110	11/05/2024	

Batch R355691		SampType: MS		Units µg/L							
SampID: 24101589-038FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		55	50.00	0	110.8	85	115	11/05/2024	

Batch R355691		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-038FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		55	50.00	0	109.7	55.39	0.94	11/05/2024

Batch R355691		SampType: MS		Units µg/L							
SampID: 24101589-053FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		56	50.00	6.210	99.7	85	115	11/05/2024	

Batch R355691		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-053FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		55	50.00	6.210	97.6	56.05	1.85	11/05/2024

Batch R355691		SampType: MS		Units µg/L							
SampID: 24101589-086FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		57	50.00	6.900	99.9	85	115	11/05/2024	

Batch R355691		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-086FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		57	50.00	6.900	100.5	56.87	0.47	11/05/2024

Batch R355691		SampType: MS		Units mg/L							
SampID: 24110172-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.063	0.0500	0.007370	111.3	90	110	11/05/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R355691		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110172-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.062	0.0500	0.007370	109.0	0.06303	1.83	11/05/2024

Batch R355691		SampType: MS		Units mg/L							
SampID: 24110190-002BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005	S	0.055	0.0500	0	111.0	90	110	11/05/2024	

Batch R355691		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110190-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.053	0.0500	0	105.7	0.05549	4.91	11/05/2024

Batch R355886		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	11/08/2024	

Batch R355886		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		0.050	0.0500	0	99.5	90	110	11/08/2024	

Batch R355886		SampType: MS		Units µg/L							
SampID: 24101589-047FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		25		373	250.0	130.7	96.8	85	115	11/08/2024	

Batch R355886		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-047FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			25		357	250.0	130.7	90.4	372.8	4.43	11/08/2024

Batch R355886		SampType: MS		Units mg/L							
SampID: 24110284-001HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.048	0.0500	0	96.3	90	110	11/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R355886		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110284-001HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.051	0.0500	0	102.2	0.04813	6.01	11/08/2024

Batch R355886		SampType: MS		Units mg/L							
SampID: 24110475-002GMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.055	0.0500	0	109.7	90	110	11/08/2024	

Batch R355886		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110475-002GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.051	0.0500	0	102.9	0.05485	6.40	11/08/2024

Batch R355954		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	11/11/2024	

Batch R355954		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.054	0.0500	0	108.7	90	110	11/11/2024	

Batch R355954		SampType: MS		Units µg/L							
SampID: 24102207-021FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		51	50.00	0	102.9	85	115	11/11/2024	

Batch R355954		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24102207-021FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	102.8	51.45	0.06	11/11/2024

Batch R355954		SampType: MS		Units mg/L							
SampID: 24110424-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.056	0.0500	0.004240	102.8	90	110	11/11/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R355954		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110424-001GMSD											Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Analyzed
Phenols			0.005	S	0.061	0.0500	0.004240	112.7	0.05563	8.52	11/11/2024

Batch R356031		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	11/12/2024	

Batch R356031		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		0.052	0.0500	0	104.7	90	110	11/12/2024	

Batch R356031		SampType: MS		Units µg/L							
SampID: 24102205-010FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		49	50.00	0	98.3	85	115	11/12/2024	

Batch R356031		SampType:	MSD		Units µg/L			RPD Limit 15			Date Analyzed
SampID: 24102205-010FMMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Phenols			5		49	50.00	0	98.5	49.16	0.20	11/12/2024

Batch R356031		SampType: MS		Units µg/L							
SampID: 24102205-012FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		56	50.00	2.980	105.8	85	115	11/12/2024	

Batch R356031		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24102205-012FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		56	50.00	2.980	106.1	55.87	0.29	11/12/2024

Batch R356031		SampType: MS		Units µg/L							
SampID: 24102207-015FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		52	50.00	0	103.2	85	115	11/12/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R356031		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24102207-015FMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		5		54	50.00	0	107.1	51.60	3.69	11/12/2024	

Batch R356031		SampType: MS		Units µg/L							
SampID: 24110556-001FMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		5		49	50.00	0	98.6	85	115	11/12/2024	

Batch R356031		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24110556-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		50	50.00	0	99.2	49.31	0.55	11/12/2024

Batch R356031		SampType: MS		Units mg/L							
SampID: 24110892-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.053	0.0500	0	106.2	90	110	11/12/2024	

Batch R356031		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24110892-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.052	0.0500	0	104.4	0.05310	1.75	11/12/2024

Batch R357002		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	12/03/2024

Batch R357002		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.051	0.0500	0	102.1	90	110	12/03/2024	

Batch R357002		SampType: MS		Units mg/L							
SampID: 24112233-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.028	0.0500	0	56.3	85	115	12/03/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 9066 (TOTAL)

Batch R357002		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24112233-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005	S	0.032	0.0500	0	63.4	0.02814	11.90	12/03/2024

Batch R357002		SampType: MS		Units mg/L							
SampID: 24120078-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.053	0.0500	0.003050	100.5	90	110	12/03/2024	

Batch R357002		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24120078-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005		0.054	0.0500	0.003050	101.6	0.05328	1.08	12/03/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230481 SampType: MBLK Units mg/L

SampleID: MBLK-230481

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	10/31/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	10/31/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	10/31/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	10/31/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	10/31/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	10/31/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	10/31/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	10/31/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	10/31/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	10/31/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	10/31/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	10/31/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	10/31/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	10/31/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	10/31/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	10/31/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	10/31/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	10/31/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	10/31/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	10/31/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	10/31/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	10/31/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	10/31/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	10/31/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230481		SampType: LCS		Units mg/L						
SampID: LCS-230481										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		3.76	4.000	0	94.0	85	115	10/31/2024
Antimony		0.0500		0.949	1.000	0	94.9	85	115	10/31/2024
Arsenic		0.0250		0.954	1.000	0	95.4	85	115	10/31/2024
Barium		0.0025		3.87	4.000	0	96.8	85	115	10/31/2024
Beryllium		0.0005		0.0954	0.1000	0	95.4	85	115	10/31/2024
Boron		0.0200		0.912	1.000	0	91.2	85	115	10/31/2024
Cadmium		0.0020		0.0961	0.1000	0	96.1	85	115	10/31/2024
Calcium		0.100		4.67	5.000	0	93.4	85	115	10/31/2024
Chromium		0.0050		0.387	0.4000	0	96.7	85	115	10/31/2024
Cobalt		0.0050		0.960	1.000	0	96.0	85	115	10/31/2024
Copper		0.0050		0.478	0.5000	0	95.6	85	115	10/31/2024
Iron		0.0400		4.05	4.000	0	101.2	85	115	10/31/2024
Lead		0.0150		0.948	1.000	0	94.8	85	115	10/31/2024
Magnesium		0.0500		4.58	5.000	0	91.7	85	115	10/31/2024
Manganese		0.0070		0.935	1.000	0	93.5	85	115	10/31/2024
Molybdenum		0.0100		0.946	1.000	0	94.6	85	115	10/31/2024
Nickel		0.0050		0.966	1.000	0	96.6	85	115	10/31/2024
Potassium		0.100		5.13	5.000	0	102.7	85	115	10/31/2024
Selenium		0.0400		0.920	1.000	0	92.0	85	115	10/31/2024
Silver		0.0070		0.0950	0.1000	0	95.0	85	115	10/31/2024
Sodium		0.0500		4.83	5.000	0	96.6	85	115	10/31/2024
Thallium		0.0500		0.469	0.5000	0	93.9	85	115	10/31/2024
Vanadium		0.0100		0.973	1.000	0	97.3	85	115	10/31/2024
Zinc		0.0100		0.943	1.000	0	94.3	85	115	10/31/2024

Batch 230481		SampType: MS		Units mg/L						
SampID: 24101589-012CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	98.7	5.000	102.0	-65.0	75	125	10/31/2024
Magnesium		0.050	S	43.6	5.000	42.34	25.8	75	125	10/31/2024
Potassium		0.100		5.57	5.000	0.4048	103.3	75	125	10/31/2024
Sodium		0.050	S	49.9	5.000	50.12	-3.6	75	125	10/31/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230481		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24101589-012CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	104	5.000	102.0	45.2	98.71	5.43	10/31/2024
Magnesium		0.050	S	45.7	5.000	42.34	68.2	43.63	4.74	10/31/2024
Potassium		0.100		5.63	5.000	0.4048	104.4	5.568	1.02	10/31/2024
Sodium		0.050	S	50.8	5.000	50.12	13.0	49.94	1.65	10/31/2024

Batch 230481		SampType: MS		Units mg/L						
SampID: 24102446-017CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		0.952	1.000	0	95.2	75	125	10/31/2024
Barium		0.0025		3.76	4.000	0.1750	89.6	75	125	10/31/2024
Cadmium		0.0020		0.0874	0.1000	0	87.4	75	125	10/31/2024
Chromium		0.0050		0.376	0.4000	0	94.0	75	125	10/31/2024
Lead		0.0150		0.911	1.000	0.005400	90.6	75	125	10/31/2024
Selenium		0.0400		0.913	1.000	0	91.3	75	125	10/31/2024
Silver		0.0070		0.0928	0.1000	0	92.8	75	125	10/31/2024

Batch 230481		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24102446-017CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		0.953	1.000	0	95.3	0.9519	0.10	10/31/2024
Barium		0.0025		3.75	4.000	0.1750	89.4	3.760	0.27	10/31/2024
Cadmium		0.0020		0.0857	0.1000	0	85.7	0.08740	1.96	10/31/2024
Chromium		0.0050		0.378	0.4000	0	94.4	0.3759	0.50	10/31/2024
Lead		0.0150		0.910	1.000	0.005400	90.4	0.9111	0.18	10/31/2024
Selenium		0.0400		0.916	1.000	0	91.7	0.9131	0.37	10/31/2024
Silver		0.0070		0.0939	0.1000	0	93.9	0.09280	1.18	10/31/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230538 SampType: MBLK Units mg/L

SampID: MBLK-230538

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	11/04/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/05/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	11/05/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/04/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/05/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/04/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	11/05/2024

Batch 230538 SampType: LCS Units mg/L

SampID: LCS-230538

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.48	5.000	0	89.6	85	115	11/04/2024
Calcium		0.100		4.48	5.000	0	89.6	85	115	11/05/2024
Magnesium		0.050		4.30	5.000	0	86.0	85	115	11/05/2024
Potassium		0.100		4.88	5.000	0	97.6	85	115	11/04/2024
Potassium		0.100		5.05	5.000	0	101.0	85	115	11/05/2024
Sodium		0.0500		4.67	5.000	0	93.4	85	115	11/04/2024
Sodium		0.050		4.86	5.000	0	97.1	85	115	11/05/2024

Batch 230538 SampType: MS Units mg/L

SampID: 24101589-019CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	85.3	5.000	83.74	31.0	75	125	11/04/2024
Magnesium		0.050	S	40.3	5.000	36.86	69.2	75	125	11/05/2024
Potassium		0.100		5.36	5.000	0.4582	98.0	75	125	11/04/2024
Sodium		0.050	S	53.0	5.000	49.66	66.2	75	125	11/04/2024

Batch 230538 SampType: MSD Units mg/L

SampID: 24101589-019CMSD

RPD Limit 20

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	84.2	5.000	83.74	9.8	85.29	1.25	11/04/2024
Magnesium		0.050	S	40.3	5.000	36.86	69.0	40.32	0.03	11/05/2024
Potassium		0.100		5.35	5.000	0.4582	97.8	5.356	0.12	11/04/2024
Sodium		0.050	S	52.5	5.000	49.66	57.6	52.97	0.82	11/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230538 SampType: MS Units mg/L

SampID: 24102768-003DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		3.91	4.000	0	97.8	75	125	11/05/2024

Batch 230538 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24102768-003DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		3.97	4.000	0	99.2	3.910	1.52	11/05/2024

Batch 230540 SampType: MBLK Units mg/L

SampID: MBLK-230540

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	11/05/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	11/05/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/05/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	11/05/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/05/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/05/2024

Batch 230540 SampType: LCS Units mg/L

SampID: LCS-230540

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.43	5.000	0	88.5	85	115	11/05/2024
Iron		0.0400		3.82	4.000	0	95.5	85	115	11/05/2024
Magnesium		0.0500		4.27	5.000	0	85.5	85	115	11/05/2024
Manganese		0.0070		0.892	1.000	0	89.2	85	115	11/05/2024
Potassium		0.100		4.82	5.000	0	96.4	85	115	11/05/2024
Sodium		0.0500		4.66	5.000	0	93.2	85	115	11/05/2024

Batch 230540 SampType: MS Units mg/L

SampID: 24102570-002CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		4.86	4.000	0.9568	97.6	75	125	11/05/2024
Manganese		0.0070		1.27	1.000	0.3876	88.3	75	125	11/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230540	SampType:	MSD	Units					mg/L	RPD Limit			20
SampID: 24102570-002CMSD													
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Iron			0.0400		5.03	4.000	0.9568	101.8	4.860	3.44	11/05/2024		
Manganese			0.0070		1.31	1.000	0.3876	92.6	1.270	3.35	11/05/2024		

Batch 230602 SampType: MBLK Units mg/L

SampleID: MBLK-230602										
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	11/04/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	11/04/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	11/04/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	11/04/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	11/04/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	11/04/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	11/04/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/04/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	11/04/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	11/04/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	11/04/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	11/04/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	11/04/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/04/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	11/04/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	11/04/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	11/04/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/04/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	11/04/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	11/04/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/05/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	11/04/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	11/04/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	11/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230602		SampType: LCS		Units mg/L							
SampID: LCS-230602											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		0.0250		3.51	4.000	0	87.8	85	115	11/04/2024	
Antimony		0.0500		0.862	1.000	0	86.2	85	115	11/04/2024	
Arsenic		0.0250		0.883	1.000	0	88.3	85	115	11/04/2024	
Barium		0.0025		3.40	4.000	0	85.0	85	115	11/04/2024	
Beryllium		0.0005		0.0918	0.1000	0	91.8	85	115	11/04/2024	
Boron		0.0200		0.856	1.000	0	85.6	85	115	11/04/2024	
Cadmium		0.0020		0.0862	0.1000	0	86.2	85	115	11/04/2024	
Calcium		0.100		4.60	5.000	0	92.0	85	115	11/04/2024	
Chromium		0.0050		0.372	0.4000	0	93.1	85	115	11/04/2024	
Cobalt		0.0050		0.970	1.000	0	97.0	85	115	11/04/2024	
Copper		0.0050		0.473	0.5000	0	94.6	85	115	11/04/2024	
Iron		0.0400		3.76	4.000	0	94.0	85	115	11/04/2024	
Lead		0.0150		0.917	1.000	0	91.7	85	115	11/04/2024	
Magnesium		0.0500		4.38	5.000	0	87.6	85	115	11/05/2024	
Manganese		0.0070		0.914	1.000	0	91.4	85	115	11/04/2024	
Molybdenum		0.0100		0.913	1.000	0	91.3	85	115	11/04/2024	
Nickel		0.0050		0.934	1.000	0	93.4	85	115	11/04/2024	
Potassium		0.100		4.75	5.000	0	95.1	85	115	11/04/2024	
Selenium		0.0400		0.873	1.000	0	87.3	85	115	11/04/2024	
Silver		0.0070		0.0881	0.1000	0	88.1	85	115	11/04/2024	
Sodium		0.0500		4.53	5.000	0	90.5	85	115	11/04/2024	
Thallium		0.0500		0.447	0.5000	0	89.4	85	115	11/04/2024	
Vanadium		0.0100		0.930	1.000	0	93.0	85	115	11/04/2024	
Zinc		0.0100		0.904	1.000	0	90.4	85	115	11/04/2024	

Batch 230602		SampType: MS		Units mg/L							Date Analyzed
SampID: 24101589-005DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100	S	69.0	5.000	66.64	46.6	75	125		
Magnesium		0.050	S	30.7	5.000	27.52	63.0	75	125		
Potassium		0.100		5.17	5.000	0.4215	94.9	75	125		
Sodium		0.050	S	50.6	5.000	48.50	41.6	75	125		



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230602		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 24101589-005DMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	69.3	5.000	66.64	53.0	68.97	0.46		
Magnesium		0.050	S	31.0	5.000	27.52	68.5	30.68	0.89		
Potassium		0.100		5.33	5.000	0.4215	98.2	5.168	3.13		
Sodium		0.050	S	51.4	5.000	48.50	59.0	50.58	1.71		

Batch 230602		SampType: MS		Units mg/L							
SampID: 24110049-003CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Potassium		0.100		6.25	5.000	1.221	100.7	75	125	11/04/2024	
Sodium		0.0500	S	169	5.000	175.5	-132.2	75	125	11/05/2024	

Batch 230602		SampType: MSD		Units mg/L					RPD Limit 20		
SampID: 24110049-003CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Potassium			0.100		5.91	5.000	1.221	93.8	6.254	5.62	11/04/2024
Sodium			0.0500	S	168	5.000	175.5	-141.4	168.9	0.27	11/05/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230603 SampType: MBLK Units mg/L

SampleID: MBLK-230603

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	11/04/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	11/04/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	11/04/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	11/04/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	11/04/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	11/04/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/04/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/05/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	11/04/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	11/04/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	11/04/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	11/04/2024
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	11/04/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/05/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	11/04/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	11/04/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	11/04/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/05/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/04/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	11/04/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	11/04/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/05/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	11/04/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	11/04/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	11/04/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230603		SampType: LCS		Units mg/L							
SampID: LCS-230603											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		0.0250		1.99	2.000	0	99.4	85	115	11/05/2024	
Antimony		0.0500		0.498	0.5000	0	99.5	85	115	11/05/2024	
Arsenic		0.0250		0.493	0.5000	0	98.6	85	115	11/05/2024	
Barium		0.0025		1.97	2.000	0	98.5	85	115	11/05/2024	
Beryllium		0.0005		0.0503	0.0500	0	100.6	85	115	11/05/2024	
Cadmium		0.0020		0.0478	0.0500	0	95.6	85	115	11/05/2024	
Calcium		0.100		2.52	2.500	0	100.7	85	115	11/05/2024	
Chromium		0.0050		0.201	0.2000	0	100.3	85	115	11/05/2024	
Cobalt		0.0050		0.523	0.5000	0	104.7	85	115	11/05/2024	
Copper		0.0050		0.256	0.2500	0	102.3	85	115	11/05/2024	
Iron		0.0400		2.03	2.000	0	101.5	85	115	11/05/2024	
Lead		0.0150		0.494	0.5000	0	98.8	85	115	11/05/2024	
Magnesium		0.0500		2.33	2.500	0	93.2	85	115	11/05/2024	
Manganese		0.0070		0.493	0.5000	0	98.6	85	115	11/05/2024	
Molybdenum		0.0100		0.494	0.5000	0	98.8	85	115	11/05/2024	
Nickel		0.0050		0.505	0.5000	0	100.9	85	115	11/05/2024	
Potassium		0.100		2.50	2.500	0	99.9	85	115	11/05/2024	
Selenium		0.0400		0.490	0.5000	0	98.0	85	115	11/05/2024	
Silver		0.0070		0.0486	0.0500	0	97.2	85	115	11/05/2024	
Sodium		0.0500		2.48	2.500	0	99.0	85	115	11/05/2024	
Thallium		0.0500		0.237	0.2500	0	94.7	85	115	11/05/2024	
Vanadium		0.0100		0.512	0.5000	0	102.3	85	115	11/05/2024	
Zinc		0.0100		0.494	0.5000	0	98.9	85	115	11/05/2024	

Batch 230735		SampType: MBLK		Units mg/L							Date Analyzed
SampID: MBLK-230735											
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	11/06/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/06/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/06/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/06/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/06/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/06/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/06/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/06/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230735		SampType: LCS		Units mg/L						
SampID: LCS-230735										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.65	5.000	0	93.0	85	115	11/06/2024
Calcium		0.100		4.35	5.000	0	86.9	85	115	11/06/2024
Magnesium		0.0500		4.28	5.000	0	85.6	85	115	11/06/2024
Magnesium		0.0500		4.86	5.000	0	97.2	85	115	11/06/2024
Potassium		0.100		5.00	5.000	0	99.9	85	115	11/06/2024
Potassium		0.100		4.84	5.000	0	96.7	85	115	11/06/2024
Sodium		0.0500		4.92	5.000	0	98.4	85	115	11/06/2024
Sodium		0.0500		4.60	5.000	0	92.0	85	115	11/06/2024

Batch 230956		SampType: MBLK		Units mg/L						
SampID: MBLK-230956										
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	11/11/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/11/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/11/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/11/2024

Batch 230956		SampType: LCS		Units mg/L						
SampID: LCS-230956										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.71	5.000	0	94.3	85	115	11/11/2024
Magnesium		0.0500		4.50	5.000	0	90.1	85	115	11/11/2024
Potassium		0.100		4.94	5.000	0	98.8	85	115	11/11/2024
Sodium		0.0500		4.87	5.000	0	97.5	85	115	11/11/2024

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

Batch 230530		SampType: MBLK		Units mg/L							
SampID: MBLK-230530											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/05/2024	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	11/05/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/05/2024	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	11/05/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/05/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/05/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230530		SampType: LCS		Units mg/L						
SampID: LCS-230530										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.77	5.000	0	95.4	85	115	11/05/2024
Iron		0.0400		4.14	4.000	0	103.5	85	115	11/05/2024
Magnesium		0.0500		4.61	5.000	0	92.2	85	115	11/05/2024
Manganese		0.0070		0.946	1.000	0	94.6	85	115	11/05/2024
Potassium		0.100		5.27	5.000	0	105.5	85	115	11/05/2024
Sodium		0.0500		5.10	5.000	0	101.9	85	115	11/05/2024

Batch 230530		SampType: MS		Units mg/L						
SampID: 24101589-027CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	80.6	5.000	77.04	72.0	75	125	11/05/2024
Magnesium		0.050		40.1	5.000	36.00	82.8	75	125	11/05/2024
Potassium		0.100		6.24	5.000	0.8075	108.7	75	125	11/05/2024
Sodium		0.050		74.2	5.000	69.28	98.8	75	125	11/05/2024

Batch 230530		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24101589-027CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	83.7	5.000	77.04	134.0	80.64	3.77	11/05/2024
Magnesium		0.050		41.7	5.000	36.00	113.1	40.14	3.70	11/05/2024
Potassium		0.100		6.26	5.000	0.8075	109.1	6.244	0.33	11/05/2024
Sodium		0.050	S	76.4	5.000	69.28	142.0	74.22	2.87	11/05/2024

Batch	230585	SampType:	MBLK	Units mg/L						
SampID:		MBLK-230585		Date Analyzed						
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/04/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/04/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/04/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230585		SampType: LCS		Units mg/L							
SampID: LCS-230585											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		5.05	5.000	0	101.0	85	115	11/04/2024	
Magnesium		0.0500		4.92	5.000	0	98.3	85	115	11/04/2024	
Potassium		0.100		5.22	5.000	0	104.4	85	115	11/04/2024	
Sodium		0.0500		5.14	5.000	0	102.8	85	115	11/04/2024	

Batch 230585		SampType: MS		Units mg/L						
SampID: 24101589-035CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	58.6	5.000	51.06	151.4	75	125	11/04/2024
Magnesium		0.050	S	31.7	5.000	25.38	126.0	75	125	11/05/2024
Potassium		0.100		6.00	5.000	0.5979	108.0	75	125	11/04/2024
Sodium		0.050	S	65.8	5.000	57.99	155.8	75	125	11/04/2024

Batch 230585		SampType: MSD		Units mg/L						RPD Limit 20	
SampID: 24101589-035CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium			0.100		55.7	5.000	51.06	92.0	58.63	5.20	11/04/2024
Magnesium			0.050		31.2	5.000	25.38	115.4	31.68	1.67	11/05/2024
Potassium			0.100		5.84	5.000	0.5979	104.9	5.996	2.58	11/04/2024
Sodium			0.050		63.7	5.000	57.99	113.6	65.78	3.26	11/04/2024

Batch 230586		SampType: MBLK		Units mg/L						
SampID: MBLK-230586										
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	11/04/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/04/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/04/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/04/2024

Batch 230586		SampType: LCS		Units mg/L						
SampID: LCS-230586										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.95	5.000	0	98.9	85	115	11/04/2024
Magnesium		0.0500		4.73	5.000	0	94.6	85	115	11/04/2024
Potassium		0.100		5.22	5.000	0	104.3	85	115	11/04/2024
Sodium		0.0500		5.08	5.000	0	101.7	85	115	11/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230586		SampType: MS		Units mg/L							Date Analyzed
SampID: 24101589-047CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100	S	156	5.000	147.5	171.0	75	125	11/04/2024	
Magnesium		0.050		79.3	5.000	73.32	119.7	75	125	11/04/2024	
Potassium		0.100		6.01	5.000	0.6162	107.9	75	125	11/04/2024	
Sodium		0.050	S	103	5.000	94.97	151.2	75	125	11/05/2024	

Batch 230586		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 24101589-047CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	156	5.000	147.5	169.6	156.0	0.04		11/04/2024
Magnesium		0.050		79.2	5.000	73.32	118.3	79.31	0.09		11/04/2024
Potassium		0.100		6.00	5.000	0.6162	107.7	6.009	0.17		11/04/2024
Sodium		0.050	S	102	5.000	94.97	148.2	102.5	0.15		11/05/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230588 SampType: MBLK Units mg/L

SampleID: MBLK-230588

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	11/04/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	11/04/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	11/04/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	11/04/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	11/04/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	11/04/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	11/04/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/04/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	11/04/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	11/04/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	11/04/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	11/04/2024
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	11/04/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/04/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	11/04/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	11/04/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	11/04/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/04/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	11/04/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	11/04/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/04/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	11/04/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	11/04/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	11/04/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230588		SampType: LCS		Units mg/L							
SampID: LCS-230588											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		0.0250		3.80	4.000	0	95.0	85	115	11/04/2024	
Antimony		0.0500		0.996	1.000	0	99.6	85	115	11/04/2024	
Arsenic		0.0250		0.970	1.000	0	97.0	85	115	11/04/2024	
Barium		0.0025		3.66	4.000	0	91.5	85	115	11/04/2024	
Beryllium		0.0005		0.0988	0.1000	0	98.8	85	115	11/04/2024	
Boron		0.0200		0.926	1.000	0	92.6	85	115	11/04/2024	
Cadmium		0.0020		0.0930	0.1000	0	93.0	85	115	11/04/2024	
Calcium		0.100		5.04	5.000	0	100.8	85	115	11/04/2024	
Chromium		0.0050		0.399	0.4000	0	99.7	85	115	11/04/2024	
Cobalt		0.0050		1.03	1.000	0	103.5	85	115	11/04/2024	
Copper		0.0050		0.512	0.5000	0	102.4	85	115	11/04/2024	
Iron		0.0400		4.09	4.000	0	102.2	85	115	11/04/2024	
Lead		0.0150		0.981	1.000	0	98.1	85	115	11/04/2024	
Magnesium		0.0500		4.56	5.000	0	91.1	85	115	11/04/2024	
Manganese		0.0070		0.988	1.000	0	98.8	85	115	11/04/2024	
Molybdenum		0.0100		0.974	1.000	0	97.4	85	115	11/04/2024	
Nickel		0.0050		0.999	1.000	0	99.9	85	115	11/04/2024	
Potassium		0.100		5.11	5.000	0	102.3	85	115	11/04/2024	
Selenium		0.0400		0.945	1.000	0	94.5	85	115	11/04/2024	
Silver		0.0070		0.0961	0.1000	0	96.1	85	115	11/04/2024	
Sodium		0.0500		4.93	5.000	0	98.6	85	115	11/04/2024	
Thallium		0.0500		0.480	0.5000	0	96.1	85	115	11/04/2024	
Vanadium		0.0100		1.00	1.000	0	100.0	85	115	11/04/2024	
Zinc		0.0100		0.978	1.000	0	97.8	85	115	11/04/2024	

Batch 230588		SampType: MS		Units mg/L						
SampID: 24101589-097CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		94.2	5.000	88.60	111.8	75	125	11/04/2024
Magnesium		0.050		44.5	5.000	39.58	98.5	75	125	11/04/2024
Potassium		0.100		5.81	5.000	0.6101	104.1	75	125	11/04/2024
Sodium		0.050		65.4	5.000	60.83	90.6	75	125	11/05/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230588		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24101589-097CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		93.7	5.000	88.60	102.2	94.19	0.51	11/04/2024
Magnesium		0.050		44.4	5.000	39.58	96.1	44.50	0.27	11/04/2024
Potassium		0.100		5.89	5.000	0.6101	105.6	5.813	1.29	11/04/2024
Sodium		0.050		64.8	5.000	60.83	79.0	65.36	0.89	11/05/2024

Batch 230588		SampType: MS		Units mg/L						
SampID: 24102795-001BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		1.01	1.000	0	101.4	75	125	11/04/2024
Copper		0.0050		0.554	0.5000	0.02820	105.2	75	125	11/04/2024
Molybdenum		0.0100		1.02	1.000	0	102.1	75	125	11/04/2024
Selenium		0.0400		0.970	1.000	0	97.0	75	125	11/04/2024
Zinc		0.0100	S	7.85	1.000	34.87	-2702	75	125	11/04/2024

Batch 230588		SampType: MSD		Units mg/L					RPD Limit 20		
SampID: 24102795-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic			0.0250		1.03	1.000	0	103.0	1.014	1.62	11/04/2024
Copper			0.0050		0.566	0.5000	0.02820	107.7	0.5540	2.23	11/04/2024
Molybdenum			0.0100		1.04	1.000	0	104.3	1.021	2.08	11/04/2024
Selenium			0.0400		0.988	1.000	0	98.8	0.9705	1.79	11/04/2024
Zinc			0.0100	S	8.14	1.000	34.87	-2673	7.850	3.63	11/04/2024

Batch	230732	SampType:	MBLK	Units mg/L						
SampID: MBLK-230732										
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	11/06/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/06/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/06/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230732		SampType: LCS		Units mg/L						
SampID: LCS-230732										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.01	5.000	0	100.2	85	115	11/06/2024
Magnesium		0.0500		5.11	5.000	0	102.1	85	115	11/06/2024
Sodium		0.0500		5.05	5.000	0	101.0	85	115	11/06/2024

Batch 230732		SampType: MS		Units mg/L						
SampID: 24110232-005DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		54.9	5.000	49.54	108.0	75	125	11/06/2024
Magnesium		0.0500		16.5	5.000	11.43	101.9	75	125	11/06/2024

Batch 230732		SampType: MSD	Units mg/L							RPD Limit 20	
SampID: 24110232-005DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium			0.100		54.4	5.000	49.54	96.2	54.94	1.08	11/06/2024
Magnesium			0.0500		16.3	5.000	11.43	98.1	16.53	1.15	11/06/2024

Batch 230734		SampType: MBLK		Units mg/L						
SampID: MBLK-230734										
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	11/06/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/06/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/06/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/06/2024

Batch 230734		SampType: LCS		Units mg/L						
SampID: LCS-230734										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.75	5.000	0	95.0	85	115	11/06/2024
Magnesium		0.0500		4.75	5.000	0	95.0	85	115	11/06/2024
Potassium		0.100		5.18	5.000	0	103.5	85	115	11/06/2024
Sodium		0.0500		5.07	5.000	0	101.4	85	115	11/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230877 SampType: MBLK Units mg/L

SampID: MBLK-230877

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	11/12/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	11/08/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/12/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/08/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/12/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/08/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	11/12/2024
Sodium		0.0500	J	0.018	0.0180	0	100.0	-100	100	11/08/2024

Batch 230877 SampType: LCS Units mg/L

SampID: LCS-230877

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		4.98	5.000	0	99.6	85	115	11/12/2024
Calcium		0.100		4.95	5.000	0	99.1	85	115	11/08/2024
Magnesium		0.0500		4.94	5.000	0	98.9	85	115	11/12/2024
Magnesium		0.0500		4.84	5.000	0	96.8	85	115	11/08/2024
Potassium		0.100		5.33	5.000	0	106.6	85	115	11/08/2024
Potassium		0.100		5.42	5.000	0	108.5	85	115	11/12/2024
Sodium		0.0500		5.31	5.000	0	106.1	85	115	11/12/2024
Sodium		0.0500		5.28	5.000	0	105.5	85	115	11/08/2024

Batch 230949 SampType: MBLK Units mg/L

SampID: MBLK-230949

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	11/11/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	11/11/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	11/11/2024
Sodium		0.0500	S	0.0522	0.0180	0	290.0	-100	100	11/11/2024

Batch 230949 SampType: LCS Units mg/L

SampID: LCS-230949

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		5.27	5.000	0	105.4	85	115	11/11/2024
Magnesium		0.0500		5.01	5.000	0	100.3	85	115	11/11/2024
Potassium		0.100		5.34	5.000	0	106.9	85	115	11/11/2024
Sodium		0.0500	B	5.39	5.000	0	107.8	85	115	11/11/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230949		SampType: MS		Units mg/L							Date Analyzed
SampID: 24101589-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100	S	120	5.000	110.4	193.0	75	125	11/11/2024	
Magnesium		0.050	S	56.3	5.000	49.54	135.0	75	125	11/11/2024	
Potassium		0.100		7.25	5.000	1.883	107.3	75	125	11/11/2024	
Sodium		0.050	BS	72.6	5.000	65.48	142.8	75	125	11/11/2024	

Batch 230949		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 24101589-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	118	5.000	110.4	148.2	120.0	1.88	11/11/2024	
Magnesium		0.050		55.5	5.000	49.54	119.2	56.29	1.41	11/11/2024	
Potassium		0.100		7.17	5.000	1.883	105.7	7.246	1.04	11/11/2024	
Sodium		0.050	B	70.4	5.000	65.48	99.2	72.62	3.05	11/11/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230481	SampType:	MBLK	Units µg/L							
SampID:		MBLK-230481									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		< 25.0	12.50	0	0	-100	100	11/02/2024
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	11/15/2024
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	11/01/2024
Barium			1.0		< 1.0	0.7000	0	0	-100	100	11/01/2024
Beryllium			1.0		< 1.0	0.2500	0	0	-100	100	11/01/2024
Boron			25.0		< 25.0	9.250	0	0	-100	100	11/01/2024
Cadmium			1.0		< 1.0	0.1340	0	0	-100	100	11/01/2024
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	11/06/2024
Cobalt			1.0		< 1.0	0.1150	0	0	-100	100	11/02/2024
Copper			1.0		< 1.0	0.3000	0	0	-100	100	11/02/2024
Iron			25.0		< 25.0	11.50	0	0	-100	100	11/01/2024
Lead			1.0		< 1.0	0.6000	0	0	-100	100	11/01/2024
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	11/01/2024
Molybdenum			1.5		< 1.5	0.6000	0	0	-100	100	11/01/2024
Nickel			1.0		< 1.0	0.4300	0	0	-100	100	11/01/2024
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	11/01/2024
Silver			1.0		< 1.0	0.1000	0	0	-100	100	11/01/2024
Thallium			2.0		< 2.0	0.9500	0	0	-100	100	11/01/2024
Vanadium			5.0		< 5.0	5.000	0	0	-100	100	11/02/2024
Zinc			15.0		< 15.0	5.900	0	0	-100	100	11/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230481		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-230481											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3350	4000	0	83.8	80	120	11/02/2024	
Antimony		1.0		1040	1000	0	104.4	80	120	11/15/2024	
Arsenic		1.0		1060	1000	0	105.8	80	120	11/01/2024	
Barium		1.0		3950	4000	0	98.8	80	120	11/01/2024	
Beryllium		1.0		102	100.0	0	101.8	80	120	11/01/2024	
Boron		25.0		1000	1000	0	100.2	80	120	11/01/2024	
Cadmium		1.0		98.8	100.0	0	98.8	80	120	11/01/2024	
Chromium		1.5		423	400.0	0	105.8	80	120	11/06/2024	
Cobalt		1.0		932	1000	0	93.2	80	120	11/02/2024	
Copper		1.0		479	500.0	0	95.9	80	120	11/02/2024	
Iron		25.0		3940	4000	0	98.6	80	120	11/01/2024	
Lead		1.0		1070	1000	0	107.0	80	120	11/01/2024	
Manganese		2.0		881	1000	0	88.1	80	120	11/01/2024	
Molybdenum		1.5		849	1000	0	84.9	80	120	11/01/2024	
Nickel		1.0		924	1000	0	92.4	80	120	11/01/2024	
Selenium		1.0		1060	1000	0	105.8	80	120	11/02/2024	
Selenium		1.0	S	1290	1000	0	128.8	80	120	11/01/2024	
Silver		1.0		107	100.0	0	106.6	80	120	11/01/2024	
Thallium		2.0		500	500.0	0	100.0	80	120	11/01/2024	
Vanadium		5.0		838	1000	0	83.8	80	120	11/02/2024	
Zinc		15.0		1050	1000	0	104.8	80	120	11/06/2024	

Batch 230481		SampType: MS		Units µg/L							
SampID: 24101589-012CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	SE	1390	1000	0	139.5	75	125	11/15/2024	
Arsenic		1.0		1050	1000	0.5071	104.8	75	125	11/01/2024	
Barium		1.0		3790	4000	74.40	92.9	75	125	11/01/2024	
Boron		25.0		987	1000	0	98.7	75	125	11/01/2024	
Cadmium		1.0		93.0	100.0	0	93.0	75	125	11/01/2024	
Chromium		1.5		393	400.0	0	98.3	75	125	11/06/2024	
Cobalt		1.0		884	1000	0.1467	88.4	75	125	11/02/2024	
Lead		1.0		1030	1000	0	103.0	75	125	11/01/2024	
Manganese		2.0		1050	1000	68.47	98.0	75	125	11/06/2024	
Zinc		15.0		974	1000	0	97.4	75	125	11/06/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230481		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24101589-012CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	SE	1350	1000	0	134.6	1395	3.52	11/15/2024
Arsenic		1.0		1050	1000	0.5071	105.0	1048	0.25	11/01/2024
Barium		1.0		3860	4000	74.40	94.7	3792	1.85	11/01/2024
Boron		25.0		977	1000	0	97.7	986.8	0.97	11/01/2024
Cadmium		1.0		95.4	100.0	0	95.4	92.96	2.60	11/01/2024
Chromium		1.5		399	400.0	0	99.8	393.1	1.57	11/06/2024
Cobalt		1.0		860	1000	0.1467	86.0	883.9	2.69	11/02/2024
Lead		1.0		1060	1000	0	105.6	1030	2.43	11/01/2024
Manganese		2.0		1050	1000	68.47	97.7	1049	0.28	11/06/2024
Zinc		15.0		973	1000	0	97.3	973.6	0.02	11/06/2024

Batch 230538		SampType: MBLK		Units µg/L						
SampID: MBLK-230538										
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	11/01/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/12/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/01/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/01/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/01/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/01/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/01/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/06/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/01/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	11/01/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/01/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/01/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	11/01/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/01/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/01/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/01/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	11/01/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/01/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/01/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230538		SampType: LCS		Units µg/L							
SampID: LCS-230538											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3360	4000	0	84.1	80	120	11/01/2024	
Antimony		1.0		865	1000	0	86.5	80	120	11/11/2024	
Arsenic		1.0		963	1000	0	96.3	80	120	11/01/2024	
Barium		1.0		3670	4000	0	91.7	80	120	11/01/2024	
Beryllium		1.0		96.0	100.0	0	96.0	80	120	11/01/2024	
Boron		25.0		943	1000	0	94.3	80	120	11/01/2024	
Cadmium		1.0		92.8	100.0	0	92.8	80	120	11/01/2024	
Chromium		1.5		400	400.0	0	100.1	80	120	11/06/2024	
Cobalt		1.0		914	1000	0	91.4	80	120	11/01/2024	
Copper		1.0		468	500.0	0	93.5	80	120	11/01/2024	
Iron		25.0		3610	4000	0	90.3	80	120	11/01/2024	
Lead		1.0		845	1000	0	84.5	80	120	11/01/2024	
Manganese		2.0		976	1000	0	97.6	80	120	11/06/2024	
Molybdenum		1.5		821	1000	0	82.1	80	120	11/01/2024	
Nickel		1.0		995	1000	0	99.5	80	120	11/06/2024	
Selenium		1.0		1020	1000	0	102.3	80	120	11/01/2024	
Silver		1.0		106	100.0	0	106.2	80	120	11/01/2024	
Thallium		2.0		469	500.0	0	93.8	80	120	11/01/2024	
Vanadium		5.0		819	1000	0	81.9	80	120	11/01/2024	
Zinc		15.0		989	1000	0	98.9	80	120	11/06/2024	

Batch 230538		SampType: MS		Units µg/L							
SampID: 24101589-019CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	SE	1350	1000	0.6905	134.5	75	125	11/15/2024	
Arsenic		1.0		1000	1000	0.4035	100.0	75	125	11/01/2024	
Barium		1.0		3570	4000	76.90	87.2	75	125	11/01/2024	
Boron		25.0		962	1000	0	96.2	75	125	11/01/2024	
Cadmium		1.0		90.9	100.0	0	90.9	75	125	11/01/2024	
Chromium		1.5		385	400.0	0	96.3	75	125	11/06/2024	
Cobalt		1.0		880	1000	0	88.0	75	125	11/01/2024	
Lead		1.0		853	1000	0	85.3	75	125	11/01/2024	
Manganese		2.0		952	1000	4.753	94.7	75	125	11/06/2024	
Zinc		15.0		952	1000	0	95.2	75	125	11/06/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230538	SampType:	MSD	Units	µg/L	RPD Limit	20				Date
SampID:	24101589-019CMSD										Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Antimony		1.0		1210	1000	0.6905	120.9	1346	10.65		11/15/2024
Arsenic		1.0		984	1000	0.4035	98.3	1001	1.72		11/01/2024
Barium		1.0		3550	4000	76.90	86.7	3566	0.55		11/01/2024
Boron		25.0		945	1000	0	94.5	962.0	1.81		11/01/2024
Cadmium		1.0		90.9	100.0	0	90.9	90.91	0.03		11/01/2024
Chromium		1.5		380	400.0	0	95.1	385.4	1.31		11/06/2024
Cobalt		1.0		871	1000	0	87.1	880.4	1.10		11/01/2024
Lead		1.0		846	1000	0	84.6	852.7	0.83		11/01/2024
Manganese		2.0		924	1000	4.753	91.9	951.9	2.99		11/06/2024
Zinc		15.0		913	1000	0	91.3	951.8	4.11		11/06/2024

Batch	230540	SampType:	MBLK	Units	µg/L						Date
SampID:	MBLK-230540										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		11/13/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100		11/11/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100		11/13/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100		11/13/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100		11/13/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100		11/13/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100		11/13/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100		11/13/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100		11/13/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100		11/13/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100		11/13/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100		11/09/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100		11/13/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100		11/14/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100		11/13/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100		11/13/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100		11/14/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100		11/15/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100		11/09/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100		11/13/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100		11/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230540		SampType: LCS		Units µg/L							
SampID: LCS-230540											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3630	4000	0	90.9	80	120	11/13/2024	
Antimony		1.0		1130	1000	0	113.4	80	120	11/11/2024	
Arsenic		1.0		927	1000	0	92.7	80	120	11/13/2024	
Barium		1.0		4410	4000	0	110.1	80	120	11/13/2024	
Beryllium		1.0		88.9	100.0	0	88.9	80	120	11/13/2024	
Boron		25.0		855	1000	0	85.5	80	120	11/13/2024	
Cadmium		1.0		90.4	100.0	0	90.4	80	120	11/13/2024	
Chromium		1.5		381	400.0	0	95.1	80	120	11/13/2024	
Cobalt		1.0		805	1000	0	80.5	80	120	11/13/2024	
Copper		1.0		468	500.0	0	93.6	80	120	11/13/2024	
Iron		25.0		3740	4000	0	93.5	80	120	11/13/2024	
Lead		1.0		1040	1000	0	103.7	80	120	11/09/2024	
Manganese		2.0		936	1000	0	93.6	80	120	11/13/2024	
Molybdenum		1.5		1150	1000	0	115.4	80	120	11/14/2024	
Nickel		1.0		948	1000	0	94.8	80	120	11/13/2024	
Selenium		1.0		902	1000	0	90.2	80	120	11/13/2024	
Silver		1.0		110	100.0	0	110.0	80	120	11/18/2024	
Thallium		2.0		508	500.0	0	101.6	80	120	11/09/2024	
Vanadium		5.0		999	1000	0	99.9	80	120	11/13/2024	
Zinc		15.0		922	1000	0	92.2	80	120	11/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230540 SampType: MS

Units µg/L

SampleID: 24101589-054DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3440	4000	0	86.0	75	125	11/14/2024
Antimony		1.0		488	500.0	0	97.5	75	125	11/16/2024
Arsenic		1.0		1030	1000	0.6753	102.9	75	125	11/14/2024
Barium		1.0		2350	2000	37.59	115.8	75	125	11/16/2024
Beryllium		1.0		96.3	100.0	0	96.3	75	125	11/14/2024
Boron		25.0	S	7560	1000	7304	25.4	75	125	11/14/2024
Cadmium		1.0		92.1	100.0	0.2756	91.9	75	125	11/14/2024
Chromium		1.5		397	400.0	1.226	99.0	75	125	11/14/2024
Cobalt		1.0		810	1000	0.1703	81.0	75	125	11/14/2024
Copper		1.0		468	500.0	2.080	93.1	75	125	11/14/2024
Iron		25.0		3900	4000	0	97.4	75	125	11/14/2024
Lead		1.0		533	500.0	0	106.6	75	125	11/19/2024
Manganese		2.0		1450	1000	409.0	104.1	75	125	11/14/2024
Molybdenum		1.5		1240	1000	0	123.6	75	125	11/14/2024
Nickel		1.0		946	1000	14.86	93.1	75	125	11/14/2024
Selenium		1.0		967	1000	4.071	96.3	75	125	11/14/2024
Silver		1.0	S	11.9	50.00	0	23.8	75	125	11/19/2024
Thallium		2.0		503	500.0	0	100.6	75	125	11/09/2024
Vanadium		5.0		1110	1000	0	110.7	75	125	11/14/2024
Zinc		15.0		910	1000	0	91.0	75	125	11/14/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230540	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24101589-054DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		3480	4000	0	86.9	3439	1.13	11/14/2024
Antimony			1.0		489	500.0	0	97.7	487.5	0.22	11/16/2024
Arsenic			1.0		1020	1000	0.6753	101.9	1030	0.98	11/14/2024
Barium			1.0		2370	2000	37.59	116.8	2354	0.79	11/16/2024
Beryllium			1.0		94.0	100.0	0	94.0	96.28	2.43	11/14/2024
Boron			25.0	S	7430	1000	7304	12.8	7559	1.69	11/14/2024
Cadmium			1.0		91.3	100.0	0.2756	91.0	92.14	0.96	11/14/2024
Chromium			1.5		396	400.0	1.226	98.8	397.1	0.18	11/14/2024
Cobalt			1.0		802	1000	0.1703	80.2	810.4	1.01	11/14/2024
Copper			1.0		462	500.0	2.080	92.0	467.6	1.20	11/14/2024
Iron			25.0		3870	4000	0	96.8	3895	0.62	11/14/2024
Lead			1.0		539	500.0	0	107.7	532.8	1.09	11/19/2024
Manganese			2.0		1460	1000	409.0	105.1	1450	0.67	11/14/2024
Molybdenum			1.5		1230	1000	0	122.6	1236	0.81	11/14/2024
Nickel			1.0		948	1000	14.86	93.3	946.3	0.12	11/14/2024
Selenium			1.0		955	1000	4.071	95.1	967.3	1.32	11/14/2024
Silver			1.0	S	13.9	50.00	0	27.7	11.90	15.26	11/19/2024
Thallium			2.0		488	500.0	0	97.6	502.9	3.05	11/09/2024
Vanadium			5.0		1120	1000	0	112.3	1107	1.45	11/14/2024
Zinc			15.0		898	1000	0	89.8	910.4	1.37	11/14/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230602		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-230602												
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	11/13/2024		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/11/2024		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/09/2024		
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/09/2024		
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/09/2024		
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/09/2024		
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/09/2024		
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/09/2024		
Copper		1.0		< 1.0	0.3000	0	0	-100	100	11/09/2024		
Copper		1.0		< 1.0	0.3000	0	0	-100	100	11/12/2024		
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/09/2024		
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/09/2024		
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	11/09/2024		
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/09/2024		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/09/2024		
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/09/2024		
Silver		1.0		< 1.0	0.1000	0	0	-100	100	11/09/2024		
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/09/2024		
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/09/2024		
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/09/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230602 SampType: LCS

Units µg/L

SampleID: LCS-230602

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3390	4000	0	84.8	80	120	11/13/2024
Antimony		2.0		933	1000	0	93.3	80	120	11/15/2024
Arsenic		1.0		937	1000	0	93.7	80	120	11/09/2024
Barium		1.0		4370	4000	0	109.2	80	120	11/12/2024
Beryllium		1.0		95.4	100.0	0	95.4	80	120	11/09/2024
Boron		25.0		955	1000	0	95.5	80	120	11/09/2024
Cadmium		1.0		117	100.0	0	117.3	80	120	11/09/2024
Chromium		1.5		379	400.0	0	94.6	80	120	11/09/2024
Cobalt		1.0		817	1000	0	81.7	80	120	11/12/2024
Copper		1.0		462	500.0	0	92.3	80	120	11/09/2024
Iron		25.0		3750	4000	0	93.7	80	120	11/09/2024
Lead		1.0		960	1000	0	96.0	80	120	11/09/2024
Manganese		2.0		951	1000	0	95.1	80	120	11/09/2024
Molybdenum		1.5		1190	1000	0	119.3	80	120	11/09/2024
Nickel		1.0		964	1000	0	96.4	80	120	11/09/2024
Selenium		1.0		927	1000	0	92.7	80	120	11/09/2024
Silver		1.0		109	100.0	0	109.0	80	120	11/09/2024
Thallium		2.0		470	500.0	0	94.0	80	120	11/09/2024
Vanadium		5.0		1030	1000	0	102.6	80	120	11/09/2024
Zinc		15.0		885	1000	0	88.5	80	120	11/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230602 SampType: MS

Units µg/L

SampleID: 24101589-005DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3760	4000	0	94.0	75	125	11/18/2024
Antimony		1.0		1050	1000	0	104.5	75	125	11/15/2024
Arsenic		1.0		925	1000	0	92.5	75	125	11/09/2024
Barium		1.0		4550	4000	46.80	112.5	75	125	11/13/2024
Beryllium		1.0		96.2	100.0	0	96.2	75	125	11/09/2024
Boron		25.0		962	1000	14.96	94.7	75	125	11/09/2024
Cadmium		1.0		115	100.0	0	115.0	75	125	11/09/2024
Chromium		1.5		365	400.0	0.7146	91.0	75	125	11/09/2024
Cobalt		1.0		828	1000	0	82.8	75	125	11/13/2024
Copper		1.0		436	500.0	0.8106	87.0	75	125	11/09/2024
Iron		25.0		3620	4000	0	90.5	75	125	11/09/2024
Lead		1.0		946	1000	0	94.6	75	125	11/09/2024
Manganese		2.0		908	1000	5.897	90.2	75	125	11/09/2024
Molybdenum		1.5		1180	1000	0.8697	118.4	75	125	11/09/2024
Nickel		1.0		878	1000	0.5641	87.7	75	125	11/09/2024
Selenium		1.0		899	1000	1.312	89.8	75	125	11/09/2024
Silver		1.0		105	100.0	0	105.2	75	125	11/09/2024
Thallium		2.0		466	500.0	0	93.1	75	125	11/09/2024
Vanadium		5.0		1000	1000	0	100.2	75	125	11/09/2024
Zinc		15.0		854	1000	0	85.4	75	125	11/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230602	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24101589-005DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		3830	4000	0	95.6	3761	1.68	11/18/2024
Antimony			1.0		1090	1000	0	108.8	1045	4.00	11/15/2024
Arsenic			1.0		977	1000	0	97.7	924.6	5.57	11/09/2024
Barium			1.0		4650	4000	46.80	115.1	4545	2.33	11/13/2024
Beryllium			1.0		99.5	100.0	0	99.5	96.19	3.40	11/09/2024
Boron			25.0		1010	1000	14.96	99.3	961.7	4.74	11/09/2024
Cadmium			1.0		123	100.0	0	123.1	115.0	6.80	11/09/2024
Chromium			1.5		389	400.0	0.7146	97.0	364.8	6.32	11/09/2024
Cobalt			1.0		831	1000	0	83.1	828.2	0.38	11/13/2024
Copper			1.0		458	500.0	0.8106	91.5	435.8	5.03	11/09/2024
Iron			25.0		3830	4000	0	95.6	3619	5.54	11/09/2024
Lead			1.0		1000	1000	0	100.0	945.7	5.56	11/09/2024
Manganese			2.0		1010	1000	5.897	100.1	907.5	10.40	11/09/2024
Molybdenum			1.5	SE	1290	1000	0.8697	129.0	1184	8.58	11/09/2024
Nickel			1.0		1000	1000	0.5641	100.0	877.6	13.12	11/09/2024
Selenium			1.0		949	1000	1.312	94.8	898.9	5.46	11/09/2024
Silver			1.0		114	100.0	0	113.8	105.2	7.81	11/09/2024
Thallium			2.0		493	500.0	0	98.6	465.7	5.64	11/09/2024
Vanadium			5.0		1050	1000	0	105.4	1002	4.98	11/09/2024
Zinc			15.0		888	1000	0	88.8	854.0	3.85	11/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230603		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-230603												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100			
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100			
Barium		1.0		< 1.0	0.7000	0	0	-100	100			
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100			
Boron		25.0		< 25.0	9.250	0	0	-100	100			
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100			
Chromium		1.5		< 1.5	0.7000	0	0	-100	100			
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100			
Copper		1.0		< 1.0	0.3000	0	0	-100	100			
Iron		25.0		< 25.0	11.50	0	0	-100	100			
Lead		1.0		< 1.0	0.6000	0	0	-100	100			
Manganese		2.0		< 2.0	0.7500	0	0	-100	100			
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100			
Nickel		1.0		< 1.0	0.4300	0	0	-100	100			
Selenium		1.0		< 1.0	0.6000	0	0	-100	100			
Silver		1.0		< 1.0	0.1000	0	0	-100	100			
Thallium		2.0		< 2.0	0.9500	0	0	-100	100			
Vanadium		5.0		< 5.0	5.000	0	0	-100	100			
Zinc		15.0		< 15.0	5.900	0	0	-100	100			



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230603	SampType:	LCS	Units µg/L							
SampID:		LCS-230603									Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3790	4000	0	94.7	80	120	11/09/2024	
Antimony		1.0		1070	1000	0	107.0	80	120	11/11/2024	
Arsenic		1.0		959	1000	0	95.9	80	120	11/09/2024	
Barium		1.0		4360	4000	0	109.1	80	120	11/12/2024	
Beryllium		1.0		96.2	100.0	0	96.2	80	120	11/09/2024	
Boron		25.0		947	1000	0	94.7	80	120	11/09/2024	
Cadmium		1.0		120	100.0	0	119.9	80	120	11/09/2024	
Chromium		1.5		384	400.0	0	95.9	80	120	11/09/2024	
Cobalt		1.0		823	1000	0	82.3	80	120	11/12/2024	
Copper		1.0		479	500.0	0	95.9	80	120	11/12/2024	
Iron		25.0		3770	4000	0	94.3	80	120	11/09/2024	
Lead		1.0		955	1000	0	95.5	80	120	11/09/2024	
Manganese		2.0		990	1000	0	99.0	80	120	11/19/2024	
Molybdenum		1.5		1090	1000	0	108.7	80	120	11/13/2024	
Nickel		1.0		951	1000	0	95.1	80	120	11/09/2024	
Selenium		1.0		947	1000	0	94.7	80	120	11/09/2024	
Silver		1.0		113	100.0	0	112.8	80	120	11/09/2024	
Thallium		2.0		467	500.0	0	93.4	80	120	11/09/2024	
Vanadium		5.0		1020	1000	0	102.2	80	120	11/09/2024	
Zinc		15.0		900	1000	0	90.0	80	120	11/09/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230603 SampType: MS

Units µg/L

SampID: 24101589-098DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3910	4000	0	97.7	75	125	11/13/2024
Antimony		1.0		1080	1000	0	107.8	75	125	11/15/2024
Arsenic		1.0		1050	1000	0.5330	104.6	75	125	11/13/2024
Barium		1.0		4670	4000	65.56	115.1	75	125	11/13/2024
Beryllium		1.0		107	100.0	0	107.3	75	125	11/13/2024
Boron		25.0		1060	1000	17.03	104.7	75	125	11/13/2024
Cadmium		1.0		102	100.0	0	102.3	75	125	11/13/2024
Cobalt		1.0		839	1000	0.5893	83.9	75	125	11/13/2024
Copper		1.0		484	500.0	1.195	96.5	75	125	11/13/2024
Iron		25.0		4570	4000	496.2	101.8	75	125	11/13/2024
Lead		1.0		997	1000	0	99.7	75	125	11/09/2024
Manganese		2.0		1440	1000	505.7	93.5	75	125	11/19/2024
Molybdenum		1.5		1230	1000	1.487	122.7	75	125	11/14/2024
Selenium		1.0		999	1000	0	99.9	75	125	11/13/2024
Silver		1.0		87.6	100.0	0	87.6	75	125	11/13/2024
Thallium		2.0		481	500.0	0	96.3	75	125	11/09/2024
Vanadium		5.0		1110	1000	0	110.8	75	125	11/13/2024
Zinc		15.0		986	1000	0	98.6	75	125	11/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230603	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24101589-098DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		3890	4000	0	97.3	3910	0.44	11/13/2024
Antimony			1.0		1080	1000	0	108.2	1078	0.36	11/15/2024
Arsenic			1.0		1020	1000	0.5330	101.5	1047	2.99	11/13/2024
Barium			1.0		4550	4000	65.56	112.2	4668	2.50	11/13/2024
Beryllium			1.0		104	100.0	0	104.4	107.3	2.75	11/13/2024
Boron			25.0		1050	1000	17.03	103.6	1064	1.01	11/13/2024
Cadmium			1.0		98.5	100.0	0	98.5	102.3	3.72	11/13/2024
Cobalt			1.0		827	1000	0.5893	82.7	839.4	1.47	11/13/2024
Copper			1.0		470	500.0	1.195	93.7	483.8	2.98	11/13/2024
Iron			25.0		4540	4000	496.2	101.2	4569	0.53	11/13/2024
Lead			1.0		981	1000	0	98.1	996.6	1.57	11/09/2024
Manganese			2.0		1430	1000	505.7	92.0	1441	1.08	11/19/2024
Molybdenum			1.5		1230	1000	1.487	123.3	1229	0.50	11/14/2024
Selenium			1.0		973	1000	0	97.3	999.3	2.63	11/13/2024
Silver			1.0		85.5	100.0	0	85.5	87.60	2.47	11/13/2024
Thallium			2.0		484	500.0	0	96.8	481.3	0.52	11/09/2024
Vanadium			5.0		1090	1000	0	108.6	1108	2.02	11/13/2024
Zinc			15.0		966	1000	0	96.6	986.3	2.11	11/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230735		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-230735												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		< 25.0	12.50	0	0	-100	100			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100			
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100			
Barium		1.0		< 1.0	0.7000	0	0	-100	100			
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100			
Boron		25.0		< 25.0	9.250	0	0	-100	100			
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100			
Chromium		1.5		< 1.5	0.7000	0	0	-100	100			
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100			
Copper		1.0		< 1.0	0.3000	0	0	-100	100			
Iron		25.0		< 25.0	11.50	0	0	-100	100			
Lead		1.0		< 1.0	0.6000	0	0	-100	100			
Manganese		2.0		< 2.0	0.7500	0	0	-100	100			
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100			
Nickel		1.0		< 1.0	0.4300	0	0	-100	100			
Selenium		1.0		< 1.0	0.6000	0	0	-100	100			
Silver		1.0		< 1.0	0.1000	0	0	-100	100			
Thallium		2.0		< 2.0	0.9500	0	0	-100	100			
Vanadium		5.0		< 5.0	5.000	0	0	-100	100			
Zinc		15.0		< 15.0	5.900	0	0	-100	100			



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230735		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-230735											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		4080	4000	0	102.0	80	120	11/12/2024	
Antimony		1.0		1090	1000	0	108.5	80	120	11/11/2024	
Arsenic		1.0		1020	1000	0	101.6	80	120	11/12/2024	
Barium		1.0		4730	4000	0	118.3	80	120	11/12/2024	
Beryllium		1.0		105	100.0	0	105.4	80	120	11/12/2024	
Boron		25.0		989	1000	0	98.9	80	120	11/12/2024	
Cadmium		1.0		102	100.0	0	102.5	80	120	11/12/2024	
Chromium		1.5		425	400.0	0	106.2	80	120	11/12/2024	
Cobalt		1.0		861	1000	0	86.1	80	120	11/12/2024	
Copper		1.0		511	500.0	0	102.2	80	120	11/12/2024	
Iron		25.0		4090	4000	0	102.3	80	120	11/12/2024	
Lead		1.0		990	1000	0	99.0	80	120	11/09/2024	
Manganese		2.0		1020	1000	0	102.3	80	120	11/12/2024	
Molybdenum		1.5		1140	1000	0	114.0	80	120	11/14/2024	
Nickel		1.0		1020	1000	0	102.5	80	120	11/12/2024	
Selenium		1.0		1000	1000	0	100.4	80	120	11/12/2024	
Silver		1.0		107	100.0	0	107.4	80	120	11/18/2024	
Thallium		2.0		481	500.0	0	96.1	80	120	11/09/2024	
Vanadium		5.0		1110	1000	0	111.2	80	120	11/12/2024	
Zinc		15.0		1020	1000	0	102.1	80	120	11/12/2024	

Batch 230735		SampType: MS		Units µg/L							
SampID: 24101589-081DMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3950	4000	0	98.9	75	125	11/14/2024	
Arsenic		1.0		1020	1000	0	102.2	75	125	11/14/2024	
Boron		25.0		1040	1000	104.3	93.5	75	125	11/20/2024	
Copper		1.0		478	500.0	2.766	95.1	75	125	11/14/2024	
Iron		25.0		4050	4000	0	101.4	75	125	11/14/2024	
Lead		1.0		994	1000	0	99.4	75	125	11/09/2024	
Manganese		20.0		1260	1000	323.3	93.4	75	125	11/14/2024	
Nickel		1.0		961	1000	4.258	95.7	75	125	11/14/2024	
Silver		1.0		99.0	100.0	0	99.0	75	125	11/19/2024	
Vanadium		5.0		1070	1000	0	106.6	75	125	11/14/2024	
Zinc		15.0		913	1000	0	91.3	75	125	11/19/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230735		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24101589-081DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		4000	4000	0	100.0	3954	1.15	11/14/2024
Arsenic		1.0		1030	1000	0	103.3	1022	1.07	11/14/2024
Boron		25.0		1010	1000	104.3	90.1	1039	3.31	11/20/2024
Copper		1.0		484	500.0	2.766	96.2	478.4	1.09	11/14/2024
Iron		25.0		4090	4000	0	102.2	4054	0.78	11/14/2024
Lead		1.0		1020	1000	0	101.6	993.8	2.22	11/09/2024
Manganese		20.0		1300	1000	323.3	97.8	1258	3.38	11/14/2024
Nickel		1.0		971	1000	4.258	96.7	961.1	1.04	11/14/2024
Silver		1.0		101	100.0	0	100.9	99.04	1.88	11/19/2024
Vanadium		5.0		1130	1000	0	113.3	1066	6.13	11/14/2024
Zinc		15.0		906	1000	0	90.6	913.0	0.76	11/19/2024

Batch 230956		SampType: MBLK		Units µg/L						
SampID: MBLK-230956										
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	11/14/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/16/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/14/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/14/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/14/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/14/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/14/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/14/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	11/14/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/14/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/16/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	11/14/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/14/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/14/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	11/19/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/14/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/14/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/19/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230956		SampType: LCS		Units µg/L							
SampID: LCS-230956											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3790	4000	0	94.7	80	120	11/14/2024	
Antimony		1.0		1120	1000	0	112.5	80	120	11/16/2024	
Arsenic		1.0		940	1000	0	94.0	80	120	11/14/2024	
Barium		1.0		4430	4000	0	110.8	80	120	11/14/2024	
Beryllium		1.0		97.4	100.0	0	97.4	80	120	11/14/2024	
Boron		25.0		936	1000	0	93.6	80	120	11/14/2024	
Cadmium		1.0		92.6	100.0	0	92.6	80	120	11/14/2024	
Chromium		1.5		394	400.0	0	98.4	80	120	11/14/2024	
Cobalt		1.0		962	1000	0	96.2	80	120	11/19/2024	
Copper		1.0		474	500.0	0	94.7	80	120	11/14/2024	
Iron		25.0		3770	4000	0	94.3	80	120	11/14/2024	
Lead		1.0		978	1000	0	97.8	80	120	11/16/2024	
Manganese		2.0		947	1000	0	94.7	80	120	11/14/2024	
Molybdenum		1.5		1020	1000	0	102.5	80	120	11/14/2024	
Nickel		1.0		952	1000	0	95.2	80	120	11/14/2024	
Selenium		1.0		915	1000	0	91.5	80	120	11/14/2024	
Silver		1.0		105	100.0	0	104.8	80	120	11/19/2024	
Thallium		2.0		474	500.0	0	94.7	80	120	11/14/2024	
Vanadium		5.0		963	1000	0	96.3	80	120	11/14/2024	
Zinc		15.0		949	1000	0	94.9	80	120	11/19/2024	

Batch 230956		SampType: MS		Units µg/L							Date Analyzed
SampID: 24101589-075DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3700	4000	0	92.5	75	125	11/14/2024	
Arsenic		1.0		957	1000	1.008	95.6	75	125	11/16/2024	
Boron		500	S	4870	500.0	4820	10.4	75	125	11/20/2024	
Copper		1.0		436	500.0	2.197	86.7	75	125	11/14/2024	
Iron		500	S	171000	4000	181800	-265.6	75	125	11/19/2024	
Lead		1.0		1020	1000	0	101.7	75	125	11/16/2024	
Manganese		40.0	S	20400	1000	21250	-88.8	75	125	11/19/2024	
Nickel		1.0		950	1000	60.03	89.0	75	125	11/14/2024	
Silver		1.0		48.2	50.00	0	96.4	75	125	11/19/2024	
Vanadium		5.0		1080	1000	0	107.8	75	125	11/14/2024	
Zinc		15.0		516	500.0	52.70	92.6	75	125	11/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230956		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24101589-075DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		3700	4000	0	92.4	3701	0.15	11/14/2024
Arsenic		1.0		963	1000	1.008	96.2	957.3	0.64	11/16/2024
Boron		500	S	4740	500.0	4820	-16.7	4872	2.82	11/20/2024
Copper		1.0		429	500.0	2.197	85.3	435.8	1.70	11/14/2024
Iron		500	S	157000	4000	181800	-629.0	171200	8.87	11/19/2024
Lead		1.0		993	1000	0	99.3	1017	2.37	11/16/2024
Manganese		40.0	S	18500	1000	21250	-272.8	20360	9.46	11/19/2024
Nickel		1.0		931	1000	60.03	87.1	950.5	2.05	11/14/2024
Silver		1.0		47.0	50.00	0	94.0	48.19	2.49	11/19/2024
Vanadium		5.0		1090	1000	0	108.9	1078	0.95	11/14/2024
Zinc		15.0		503	500.0	52.70	90.0	515.7	2.57	11/19/2024

Batch 232049		SampType: MBLK		Units µg/L						
SampleID: MBLK-232049										
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	12/11/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	12/10/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	12/10/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	12/10/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	12/10/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	12/10/2024
Copper		1.0		< 1.0	0.3000	0	0	-100	100	12/10/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	12/10/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	12/10/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	12/10/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	12/10/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	12/10/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	12/10/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	12/10/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	12/10/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	12/10/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 232049		SampType: LCS		Units µg/L							
SampID: LCS-232049											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1070	1000	0	106.7	80	120	12/11/2024	
Arsenic		1.0		908	1000	0	90.8	80	120	12/10/2024	
Beryllium		1.0		90.6	100.0	0	90.6	80	120	12/10/2024	
Boron		25.0		926	1000	0	92.6	80	120	12/10/2024	
Chromium		1.5		378	400.0	0	94.6	80	120	12/10/2024	
Cobalt		1.0		921	1000	0	92.1	80	120	12/10/2024	
Copper		1.0		463	500.0	0	92.6	80	120	12/10/2024	
Iron		25.0		3700	4000	0	92.5	80	120	12/10/2024	
Lead		1.0		912	1000	0	91.2	80	120	12/10/2024	
Manganese		2.0		915	1000	0	91.5	80	120	12/10/2024	
Molybdenum		1.5		913	1000	0	91.3	80	120	12/10/2024	
Nickel		1.0		916	1000	0	91.6	80	120	12/10/2024	
Selenium		1.0		901	1000	0	90.1	80	120	12/10/2024	
Silver		1.0		94.4	100.0	0	94.4	80	120	12/10/2024	
Thallium		2.0		450	500.0	0	90.0	80	120	12/10/2024	
Vanadium		5.0		926	1000	0	92.6	80	120	12/10/2024	

Batch 232049		SampType: MS		Units µg/L						
SampID: 24101589-098DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chromium		1.5		372	400.0	0	92.9	75	125	12/11/2024
Nickel		1.0		862	1000	0.6415	86.2	75	125	12/11/2024

Batch 232049		SampType: MSD		Units µg/L					RPD Limit 20		Date Analyzed
SampID: 24101589-098DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chromium			1.5		372	400.0	0	92.9	371.8	0.02	
Nickel			1.0		878	1000	0.6415	87.7	862.4	1.77	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 232050		SampType: MBLK		Units µg/L							
SampID: MBLK-232050											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		25.0		< 25.0	9.250	0	0	-100	100	12/10/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	12/10/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	12/10/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	12/10/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	12/10/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	12/10/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	12/10/2024	

Batch 232050		SampType: LCS		Units µg/L						
SampID: LCS-232050										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		25.0		942	1000	0	94.2	80	120	12/10/2024
Chromium		1.5		395	400.0	0	98.7	80	120	12/10/2024
Copper		1.0		489	500.0	0	97.7	80	120	12/10/2024
Iron		25.0		3800	4000	0	95.1	80	120	12/10/2024
Manganese		2.0		947	1000	0	94.7	80	120	12/10/2024
Molybdenum		1.5		961	1000	0	96.1	80	120	12/10/2024
Nickel		1.0		956	1000	0	95.6	80	120	12/10/2024

Batch 232343		SampType: MBLK		Units µg/L							
SampID: MBLK-232343											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		25.0		< 25.0	9.250	0	0	-100	100	12/13/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	12/13/2024	
Copper		1.0		< 1.0	0.3000	0	0	-100	100	12/13/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	12/13/2024	

Batch 232343		SampType: LCS		Units µg/L							
SampID: LCS-232343											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		25.0		820	1000	0	82.0	80	120	12/13/2024	
Chromium		1.5		351	400.0	0	87.7	80	120	12/13/2024	
Copper		1.0		440	500.0	0	87.9	80	120	12/13/2024	
Nickel		1.0		867	1000	0	86.7	80	120	12/13/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230530 SampType: MBLK Units µg/L

SampleID: MBLK-230530

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	11/01/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/15/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/01/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/01/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/01/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/01/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/01/2024
Calcium		125		< 125	70.00	0	0	-100	100	11/06/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/06/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/01/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	11/01/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/01/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/01/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	11/01/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	11/01/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/01/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/01/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/01/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	11/01/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/01/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/01/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230530 SampType: LCS Units µg/L

SampleID: LCS-230530

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3600	4000	0	90.0	80	120	11/01/2024
Antimony		1.0		1050	1000	0	104.6	80	120	11/15/2024
Arsenic		1.0		1060	1000	0	106.3	80	120	11/01/2024
Barium		1.0		4060	4000	0	101.6	80	120	11/01/2024
Beryllium		1.0		104	100.0	0	104.2	80	120	11/01/2024
Boron		25.0		1010	1000	0	101.2	80	120	11/01/2024
Cadmium		1.0		105	100.0	0	105.2	80	120	11/01/2024
Calcium		125		5150	5000	0	103.1	80	120	11/06/2024
Chromium		1.5		430	400.0	0	107.6	80	120	11/06/2024
Cobalt		1.0		972	1000	0	97.2	80	120	11/01/2024
Copper		1.0		508	500.0	0	101.5	80	120	11/01/2024
Iron		25.0		3900	4000	0	97.4	80	120	11/01/2024
Lead		1.0		898	1000	0	89.8	80	120	11/01/2024
Lithium	*	3.0		1030	1000	0	102.6	80	120	11/01/2024
Manganese		2.0		1040	1000	0	103.7	80	120	11/06/2024
Molybdenum		1.5		927	1000	0	92.7	80	120	11/01/2024
Nickel		1.0		850	1000	0	85.0	80	120	11/01/2024
Selenium		1.0		1130	1000	0	112.7	80	120	11/01/2024
Silver		1.0		119	100.0	0	119.2	80	120	11/01/2024
Thallium		2.0		481	500.0	0	96.2	80	120	11/01/2024
Vanadium		5.0		887	1000	0	88.7	80	120	11/01/2024
Zinc		15.0		1060	1000	0	106.4	80	120	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230530 SampType: MS Units µg/L

SampleID: 24101589-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		4150	4000	113.6	101.0	75	125	11/06/2024
Antimony		1.0	SE	1400	1000	5.535	139.3	75	125	11/18/2024
Arsenic		1.0		1130	1000	0.7047	112.6	75	125	11/01/2024
Barium		1.0		4160	4000	52.39	102.8	75	125	11/01/2024
Beryllium		1.0		109	100.0	0	109.3	75	125	11/01/2024
Boron		25.0		1060	1000	0	105.6	75	125	11/01/2024
Cadmium		1.0		109	100.0	0	108.6	75	125	11/01/2024
Chromium		1.5		459	400.0	25.63	108.3	75	125	11/06/2024
Cobalt		1.0		1070	1000	0.3392	107.1	75	125	11/06/2024
Copper		1.0		506	500.0	2.332	100.7	75	125	11/01/2024
Iron		25.0		4350	4000	266.1	102.2	75	125	11/06/2024
Lead		1.0		935	1000	0	93.5	75	125	11/01/2024
Lithium	*	3.0		1070	1000	6.611	106.1	75	125	11/01/2024
Manganese		2.0		2040	1000	827.0	121.6	75	125	11/06/2024
Molybdenum		1.5		956	1000	1.417	95.5	75	125	11/01/2024
Nickel		1.0		1050	1000	16.18	103.2	75	125	11/06/2024
Silver		1.0		120	100.0	0	120.0	75	125	11/01/2024
Thallium		2.0		506	500.0	0	101.2	75	125	11/01/2024
Vanadium		5.0		880	1000	0	88.0	75	125	11/01/2024
Zinc		15.0		1060	1000	0	105.9	75	125	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230530	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24101589-027CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		3950	4000	113.6	95.9	4154	5.03	11/06/2024
Antimony			1.0	SE	1300	1000	5.535	129.5	1399	7.25	11/18/2024
Arsenic			1.0		1110	1000	0.7047	111.2	1127	1.23	11/01/2024
Barium			1.0		4190	4000	52.39	103.4	4164	0.61	11/01/2024
Beryllium			1.0		109	100.0	0	109.2	109.3	0.04	11/01/2024
Boron			25.0		1070	1000	0	106.7	1056	0.98	11/01/2024
Cadmium			1.0		108	100.0	0	108.2	108.6	0.31	11/01/2024
Chromium			1.5		459	400.0	25.63	108.4	459.0	0.06	11/06/2024
Cobalt			1.0		1040	1000	0.3392	103.9	1072	3.06	11/06/2024
Copper			1.0		505	500.0	2.332	100.4	505.9	0.27	11/01/2024
Iron			25.0		4360	4000	266.1	102.4	4353	0.17	11/06/2024
Lead			1.0		939	1000	0	93.9	935.1	0.44	11/01/2024
Lithium		*	3.0		1060	1000	6.611	105.1	1068	0.95	11/01/2024
Manganese			2.0		2050	1000	827.0	122.7	2043	0.52	11/06/2024
Molybdenum			1.5		967	1000	1.417	96.6	956.5	1.15	11/01/2024
Nickel			1.0		1050	1000	16.18	103.3	1048	0.05	11/06/2024
Silver			1.0		120	100.0	0	120.0	120.0	0.07	11/01/2024
Thallium			2.0		517	500.0	0	103.5	506.2	2.19	11/01/2024
Vanadium			5.0		909	1000	0	90.9	879.6	3.28	11/01/2024
Zinc			15.0		1060	1000	0	105.7	1059	0.14	11/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230585	SampType:	MBLK	Units µg/L							
SampleID:		MBLK-230585									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		< 25.0	12.50	0	0	-100	100	11/08/2024
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	11/11/2024
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	11/08/2024
Barium			1.0		< 1.0	0.7000	0	0	-100	100	11/08/2024
Beryllium			1.0		< 1.0	0.2500	0	0	-100	100	11/08/2024
Boron			25.0		< 25.0	9.250	0	0	-100	100	11/08/2024
Cadmium			1.0		< 1.0	0.1340	0	0	-100	100	11/08/2024
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	11/08/2024
Cobalt			1.0		< 1.0	0.1150	0	0	-100	100	11/08/2024
Copper			1.0		< 1.0	0.2980	0	0	-100	100	11/12/2024
Iron			25.0		< 25.0	11.50	0	0	-100	100	11/08/2024
Lead			1.0		< 1.0	0.6000	0	0	-100	100	11/08/2024
Lithium		*	3.0		< 3.0	1.450	0	0	-100	100	11/08/2024
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	11/08/2024
Molybdenum			1.5		< 1.5	0.6000	0	0	-100	100	11/08/2024
Nickel			1.0		< 1.0	0.4300	0	0	-100	100	11/08/2024
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	11/08/2024
Silver			1.0		< 1.0	0.1110	0	0	-100	100	11/08/2024
Thallium			2.0		< 2.0	0.9500	0	0	-100	100	11/08/2024
Vanadium			5.0		< 5.0	5.000	0	0	-100	100	11/08/2024
Zinc			15.0		< 15.0	5.900	0	0	-100	100	11/05/2024
Zinc			15.0		< 15.0	5.900	0	0	-100	100	11/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230585		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-230585												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Aluminum		25.0		4220	4000	0	105.6	80	120	11/08/2024		
Antimony		2.0		1040	1000	0	103.5	80	120	11/15/2024		
Arsenic		1.0		1020	1000	0	101.9	80	120	11/12/2024		
Barium		1.0		4690	4000	0	117.2	80	120	11/12/2024		
Beryllium		1.0		112	100.0	0	112.0	80	120	11/08/2024		
Boron		25.0		1090	1000	0	109.4	80	120	11/08/2024		
Cadmium		1.0		103	100.0	0	103.3	80	120	11/13/2024		
Chromium		1.5		434	400.0	0	108.6	80	120	11/08/2024		
Cobalt		1.0		890	1000	0	89.0	80	120	11/08/2024		
Iron		25.0		4280	4000	0	106.9	80	120	11/08/2024		
Lead		1.0		1090	1000	0	108.7	80	120	11/08/2024		
Lithium	*	3.0		1150	1000	0	115.0	80	120	11/08/2024		
Manganese		2.0		1150	1000	0	114.6	80	120	11/08/2024		
Molybdenum		1.5	S	1220	1000	0	121.8	80	120	11/13/2024		
Molybdenum		3.0		995	1000	0	99.5	80	120	11/15/2024		
Nickel		1.0	S	1240	1000	0	124.2	80	120	11/08/2024		
Nickel		1.0		1040	1000	0	104.3	80	120	11/12/2024		
Selenium		1.0		1020	1000	0	102.2	80	120	11/12/2024		
Silver		2.0		106	100.0	0	105.6	80	120	11/15/2024		
Thallium		2.0		532	500.0	0	106.4	80	120	11/08/2024		
Vanadium		5.0		1170	1000	0	116.9	80	120	11/08/2024		
Zinc		15.0		993	1000	0	99.3	80	120	11/05/2024		
Zinc		15.0		1020	1000	0	102.0	80	120	11/08/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230585	SampType:	MS	Units µg/L							
SampID:		24101589-035CMS								Date Analyzed	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Aluminum			25.0		4330	4000	31.60	107.4	75	125	11/08/2024
Antimony			1.0		1170	1000	0	117.1	75	125	11/15/2024
Arsenic			1.0		1050	1000	0	104.6	75	125	11/13/2024
Barium			1.0		4940	4000	56.98	122.0	75	125	11/13/2024
Beryllium			1.0		111	100.0	0	110.9	75	125	11/08/2024
Boron			25.0		1100	1000	0	110.2	75	125	11/08/2024
Cadmium			1.0		110	100.0	0	109.6	75	125	11/13/2024
Chromium			1.5		433	400.0	6.820	106.6	75	125	11/08/2024
Cobalt			1.0		867	1000	0.1707	86.7	75	125	11/08/2024
Copper			1.0		514	500.0	3.777	102.0	75	125	11/13/2024
Iron			25.0		4300	4000	80.40	105.4	75	125	11/08/2024
Lead			1.0		1090	1000	0	109.4	75	125	11/08/2024
Lithium	*		3.0		1150	1000	1.493	114.4	75	125	11/08/2024
Manganese			2.0		1110	1000	12.58	110.0	75	125	11/08/2024
Molybdenum			1.5	SE	1300	1000	0.8172	130.2	75	125	11/13/2024
Nickel			1.0		1040	1000	5.518	103.6	75	125	11/13/2024
Selenium			1.0		1020	1000	0	102.3	75	125	11/13/2024
Silver			1.0		84.3	100.0	0	84.3	75	125	11/15/2024
Thallium			2.0		530	500.0	0	106.1	75	125	11/08/2024
Vanadium			5.0		1170	1000	0	116.8	75	125	11/08/2024
Zinc			15.0		996	1000	0	99.6	75	125	11/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230585	SampType:	MSD	Units µg/L				RPD Limit 20		
SampID: 24101589-035CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		4190	4000	31.60	103.9	4328	3.26	11/08/2024
Antimony		1.0		1150	1000	0	114.6	1171	2.12	11/15/2024
Arsenic		1.0		1030	1000	0	102.8	1046	1.69	11/13/2024
Barium		1.0		4820	4000	56.98	119.1	4937	2.36	11/13/2024
Beryllium		1.0		108	100.0	0	107.8	110.9	2.76	11/08/2024
Boron		25.0		1060	1000	0	105.5	1102	4.34	11/08/2024
Cadmium		1.0		110	100.0	0	109.7	109.6	0.10	11/13/2024
Chromium		1.5		418	400.0	6.820	102.8	433.2	3.53	11/08/2024
Cobalt		1.0		843	1000	0.1707	84.3	867.4	2.82	11/08/2024
Copper		1.0		507	500.0	3.777	100.6	513.9	1.38	11/13/2024
Iron		25.0		4140	4000	80.40	101.5	4295	3.70	11/08/2024
Lead		1.0		1050	1000	0	104.8	1094	4.33	11/08/2024
Lithium	*	3.0		1090	1000	1.493	109.0	1146	4.81	11/08/2024
Manganese		2.0		1110	1000	12.58	110.1	1113	0.05	11/08/2024
Molybdenum		1.5	SE	1320	1000	0.8172	132.0	1303	1.37	11/13/2024
Nickel		1.0		1010	1000	5.518	100.4	1042	3.18	11/13/2024
Selenium		1.0		1000	1000	0	100.5	1023	1.82	11/13/2024
Silver		1.0		85.6	100.0	0	85.6	84.29	1.49	11/15/2024
Thallium		2.0		513	500.0	0	102.7	530.4	3.26	11/08/2024
Vanadium		5.0		1120	1000	0	112.5	1168	3.78	11/08/2024
Zinc		15.0		947	1000	0	94.7	995.9	5.04	11/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230586	SampType:	MBLK	Units µg/L							
SampID:		MBLK-230586									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0	S	40.8	12.50	0	326.0	-100	100	11/13/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/11/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/08/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/12/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/08/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/12/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/08/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/08/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/08/2024	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	11/12/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/08/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/08/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	11/08/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	11/08/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/08/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/08/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/08/2024	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	11/08/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/08/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/08/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/12/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230586		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-230586											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0	B	3770	4000	0	94.1	80	120	11/13/2024	
Antimony		2.0		1040	1000	0	104.3	80	120	11/15/2024	
Arsenic		1.0		1040	1000	0	104.5	80	120	11/12/2024	
Barium		2.0		4620	4000	0	115.4	80	120	11/15/2024	
Beryllium		1.0		108	100.0	0	108.3	80	120	11/08/2024	
Boron		25.0		985	1000	0	98.5	80	120	11/12/2024	
Cadmium		1.0		102	100.0	0	101.6	80	120	11/12/2024	
Chromium		1.5		431	400.0	0	107.7	80	120	11/08/2024	
Cobalt		1.0		877	1000	0	87.7	80	120	11/08/2024	
Copper		1.0		529	500.0	0	105.9	80	120	11/12/2024	
Iron		25.0		4250	4000	0	106.1	80	120	11/08/2024	
Lead		1.0		1080	1000	0	107.6	80	120	11/08/2024	
Lithium	*	3.0		1140	1000	0	113.7	80	120	11/08/2024	
Manganese		2.0		1070	1000	0	107.4	80	120	11/08/2024	
Molybdenum		1.5		1180	1000	0	118.4	80	120	11/13/2024	
Nickel		1.0		1170	1000	0	116.7	80	120	11/08/2024	
Selenium		1.0		1020	1000	0	102.4	80	120	11/12/2024	
Silver		1.0		91.0	100.0	0	91.0	80	120	11/12/2024	
Thallium		2.0		523	500.0	0	104.5	80	120	11/08/2024	
Vanadium		5.0		1160	1000	0	115.7	80	120	11/08/2024	
Zinc		15.0		1040	1000	0	103.7	80	120	11/12/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230586	SampType:	MS	Units µg/L							
SampID:		24101589-047CMS									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Arsenic		1.0		1090	1000	0.5823	109.0	75	125	11/12/2024	
Barium		1.0		4500	4000	29.85	111.8	75	125	11/15/2024	
Beryllium		1.0		107	100.0	0	107.5	75	125	11/08/2024	
Cadmium		1.0		108	100.0	0	108.3	75	125	11/12/2024	
Chromium		1.5		406	400.0	0.7224	101.3	75	125	11/08/2024	
Cobalt		1.0		836	1000	0.2332	83.6	75	125	11/08/2024	
Copper		1.0		522	500.0	1.690	104.1	75	125	11/12/2024	
Iron		25.0		4130	4000	125.9	100.0	75	125	11/08/2024	
Lead		1.0		1040	1000	0	104.3	75	125	11/08/2024	
Lithium	*	3.0		1110	1000	7.586	110.1	75	125	11/08/2024	
Manganese		2.0		1170	1000	99.94	107.1	75	125	11/08/2024	
Molybdenum		1.5	SE	1360	1000	1.011	135.9	75	125	11/13/2024	
Nickel		1.0		1080	1000	1.336	107.6	75	125	11/08/2024	
Selenium		1.0		1050	1000	0	104.9	75	125	11/12/2024	
Silver		1.0		94.9	100.0	0	94.9	75	125	11/12/2024	
Thallium		2.0		513	500.0	0	102.6	75	125	11/08/2024	
Vanadium		5.0		1110	1000	0	111.0	75	125	11/08/2024	
Zinc		15.0		1050	1000	0	104.9	75	125	11/12/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230586	SampType:	MSD	Units µg/L				RPD Limit 20		
SampID: 24101589-047CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		1090	1000	0.5823	108.5	1090	0.42	11/12/2024
Barium		1.0		4420	4000	29.85	109.8	4504	1.84	11/15/2024
Beryllium		1.0		106	100.0	0	106.3	107.5	1.13	11/08/2024
Cadmium		1.0		105	100.0	0	105.3	108.3	2.78	11/12/2024
Chromium		1.5		415	400.0	0.7224	103.6	405.8	2.24	11/08/2024
Cobalt		1.0		862	1000	0.2332	86.2	836.1	3.03	11/08/2024
Copper		1.0		517	500.0	1.690	103.0	522.2	1.06	11/12/2024
Iron		25.0		4270	4000	125.9	103.5	4127	3.34	11/08/2024
Lead		1.0		1080	1000	0	108.5	1043	3.90	11/08/2024
Lithium	*	3.0		1110	1000	7.586	110.4	1108	0.25	11/08/2024
Manganese		2.0		1200	1000	99.94	110.4	1171	2.75	11/08/2024
Molybdenum		1.5	SE	1330	1000	1.011	132.5	1360	2.52	11/13/2024
Nickel		1.0		1170	1000	1.336	116.4	1077	7.87	11/08/2024
Selenium		1.0		1040	1000	0	103.8	1049	1.00	11/12/2024
Silver		1.0		93.6	100.0	0	93.6	94.91	1.39	11/12/2024
Thallium		2.0		528	500.0	0	105.5	512.9	2.84	11/08/2024
Vanadium		5.0		1140	1000	0	114.5	1110	3.05	11/08/2024
Zinc		15.0		1030	1000	0	103.3	1049	1.53	11/12/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230588	SampType:	MBLK	Units µg/L							
SampID:		MBLK-230588									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	11/08/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/11/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/08/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/08/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/08/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/08/2024	
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/08/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/08/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/08/2024	
Copper		1.0		< 1.0	0.2980	0	0	-100	100	11/05/2024	
Copper		1.0	S	2.1	0.2980	0	703.6	-100	100	11/04/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/08/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/08/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/04/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	11/08/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	11/08/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/08/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/08/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/04/2024	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	11/08/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/08/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/08/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230588	SampType:	LCS	Units µg/L							
SampID:		LCS-230588									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		3990	4000	0	99.8	80	120	11/08/2024
Antimony			2.0		1000	1000	0	100.1	80	120	11/15/2024
Arsenic			1.0		1020	1000	0	101.5	80	120	11/08/2024
Barium			2.0		4420	4000	0	110.4	80	120	11/15/2024
Beryllium			1.0		104	100.0	0	103.5	80	120	11/08/2024
Boron			25.0		1040	1000	0	103.7	80	120	11/08/2024
Cadmium			1.0		102	100.0	0	101.9	80	120	11/12/2024
Cadmium			1.0	S	202	100.0	0	202.5	80	120	11/08/2024
Chromium			1.5		415	400.0	0	103.8	80	120	11/08/2024
Cobalt			1.0		865	1000	0	86.5	80	120	11/08/2024
Copper			1.0	B	512	500.0	0	102.5	80	120	11/05/2024
Iron			25.0		4140	4000	0	103.4	80	120	11/08/2024
Lead			1.0		1050	1000	0	105.1	80	120	11/08/2024
Lead			1.0		994	1000	0	99.4	80	120	11/05/2024
Lithium	*		3.0		1070	1000	0	107.2	80	120	11/08/2024
Manganese			2.0		1040	1000	0	104.0	80	120	11/08/2024
Molybdenum			3.0		910	1000	0	91.0	80	120	11/15/2024
Molybdenum			1.5	SE	1370	1000	0	137.4	80	120	11/08/2024
Nickel			1.0		1130	1000	0	113.3	80	120	11/08/2024
Selenium			1.0		1140	1000	0	114.4	80	120	11/05/2024
Silver			1.0	S	129	100.0	0	128.9	80	120	11/08/2024
Silver			1.0		92.3	100.0	0	92.3	80	120	11/12/2024
Thallium			2.0		512	500.0	0	102.4	80	120	11/08/2024
Vanadium			5.0		1110	1000	0	111.5	80	120	11/08/2024
Zinc			15.0		973	1000	0	97.3	80	120	11/08/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230588	SampType:	MS	Units µg/L							
SampID:		24101589-097CMS									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		4140	4000	0	103.4	75	125	11/08/2024	
Antimony		1.0		1150	1000	0	114.6	75	125	11/15/2024	
Arsenic		1.0		1060	1000	0	105.6	75	125	11/08/2024	
Barium		1.0		4390	4000	73.35	107.8	75	125	11/15/2024	
Beryllium		1.0		110	100.0	0	109.9	75	125	11/08/2024	
Boron		25.0		1100	1000	0	109.8	75	125	11/08/2024	
Cadmium		1.0	S	141	100.0	0	141.2	75	125	11/08/2024	
Chromium		1.5		429	400.0	0	107.2	75	125	11/08/2024	
Cobalt		1.0		868	1000	0	86.8	75	125	11/08/2024	
Copper		1.0		515	500.0	1.224	102.8	75	125	11/08/2024	
Iron		25.0		4210	4000	37.24	104.3	75	125	11/08/2024	
Lead		1.0		1100	1000	0	110.0	75	125	11/08/2024	
Lithium	*	3.0		1130	1000	6.185	112.8	75	125	11/08/2024	
Manganese		2.0		1290	1000	163.1	113.0	75	125	11/08/2024	
Molybdenum		1.5	SE	1460	1000	0	145.6	75	125	11/08/2024	
Nickel		1.0		1110	1000	0.5775	110.6	75	125	11/08/2024	
Selenium		1.0		1010	1000	2.099	101.1	75	125	11/08/2024	
Silver		1.0	S	130	100.0	0	129.6	75	125	11/08/2024	
Thallium		2.0		538	500.0	0	107.5	75	125	11/08/2024	
Vanadium		5.0		1160	1000	0	116.2	75	125	11/08/2024	
Zinc		15.0		981	1000	0	98.1	75	125	11/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230588	SampType:	MSD	Units			µg/L	RPD Limit			20
SampID: 24101589-097CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Aluminum		25.0		4070	4000	0	101.9	4137	1.53	11/08/2024	
Antimony		1.0		1180	1000	0	117.6	1146	2.60	11/15/2024	
Arsenic		1.0		1070	1000	0	106.8	1056	1.13	11/08/2024	
Barium		1.0		4450	4000	73.35	109.3	4386	1.39	11/15/2024	
Beryllium		1.0		107	100.0	0	107.0	109.9	2.63	11/08/2024	
Boron		25.0		1080	1000	0	107.7	1098	1.90	11/08/2024	
Cadmium		1.0	S	146	100.0	0	145.6	141.2	3.09	11/08/2024	
Chromium		1.5		424	400.0	0	106.1	428.7	1.00	11/08/2024	
Cobalt		1.0		867	1000	0	86.7	867.7	0.09	11/08/2024	
Copper		1.0		515	500.0	1.224	102.8	515.4	0.08	11/08/2024	
Iron		25.0		4200	4000	37.24	104.0	4210	0.28	11/08/2024	
Lead		1.0		1090	1000	0	108.8	1100	1.07	11/08/2024	
Lithium	*	3.0		1110	1000	6.185	110.1	1134	2.39	11/08/2024	
Manganese		2.0		1270	1000	163.1	110.9	1293	1.63	11/08/2024	
Molybdenum		1.5	SE	1490	1000	0	148.6	1456	2.02	11/08/2024	
Nickel		1.0		1180	1000	0.5775	118.3	1106	6.71	11/08/2024	
Selenium		1.0		1030	1000	2.099	102.9	1013	1.75	11/08/2024	
Silver		1.0	S	133	100.0	0	133.3	129.6	2.82	11/08/2024	
Thallium		2.0		532	500.0	0	106.3	537.7	1.16	11/08/2024	
Vanadium		5.0		1160	1000	0	116.1	1162	0.13	11/08/2024	
Zinc		15.0		975	1000	0	97.5	981.4	0.68	11/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230732 SampType: MBLK Units µg/L

SampID: MBLK-230732

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	11/12/2024
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	11/07/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/12/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/11/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/07/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/12/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/07/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/12/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/07/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/12/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/14/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/12/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/07/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/12/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/12/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/07/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/12/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/07/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	11/12/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	11/07/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/07/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/07/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/09/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	11/12/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	11/07/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/12/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/07/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/12/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/07/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	11/07/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/09/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/07/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/12/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/07/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/07/2024



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q4
Work Order: 24101589
Report Date: 19-Dec-24

SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)										
Batch 230732		SampType: MBLK		Units µg/L						
SampID: MBLK-230732										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230732 SampType: LCS Units µg/L

SampleID: LCS-230732

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		3750	4000	0	93.9	80	120	11/12/2024
Antimony		1.0		992	1000	0	99.2	80	120	11/12/2024
Arsenic		1.0		1040	1000	0	104.4	80	120	11/07/2024
Arsenic		1.0		943	1000	0	94.3	80	120	11/12/2024
Barium		1.0		4390	4000	0	109.7	80	120	11/12/2024
Barium		2.0		4700	4000	0	117.4	80	120	11/14/2024
Beryllium		1.0		96.0	100.0	0	96.0	80	120	11/12/2024
Beryllium		1.0		103	100.0	0	102.6	80	120	11/07/2024
Boron		25.0		1040	1000	0	103.6	80	120	11/14/2024
Boron		25.0		906	1000	0	90.6	80	120	11/12/2024
Cadmium		1.0		95.3	100.0	0	95.3	80	120	11/12/2024
Cadmium		1.0		108	100.0	0	108.4	80	120	11/07/2024
Chromium		1.5		422	400.0	0	105.6	80	120	11/07/2024
Chromium		1.5		388	400.0	0	97.1	80	120	11/12/2024
Cobalt		1.0		816	1000	0	81.6	80	120	11/12/2024
Cobalt		1.0		1010	1000	0	101.1	80	120	11/07/2024
Copper		1.0		481	500.0	0	96.2	80	120	11/12/2024
Copper		1.0		508	500.0	0	101.6	80	120	11/07/2024
Iron		25.0		3890	4000	0	97.3	80	120	11/07/2024
Lead		1.0		1070	1000	0	107.0	80	120	11/07/2024
Lead		1.0		1030	1000	0	102.8	80	120	11/09/2024
Lithium	*	3.0		974	1000	0	97.4	80	120	11/12/2024
Lithium	*	3.0		986	1000	0	98.6	80	120	11/20/2024
Manganese		2.0		1010	1000	0	100.8	80	120	11/07/2024
Molybdenum		1.5		1190	1000	0	118.6	80	120	11/14/2024
Nickel		1.0		1020	1000	0	102.1	80	120	11/07/2024
Nickel		1.0		956	1000	0	95.6	80	120	11/12/2024
Selenium		1.0		934	1000	0	93.4	80	120	11/12/2024
Selenium		1.0		1010	1000	0	100.8	80	120	11/07/2024
Silver		1.0		107	100.0	0	107.1	80	120	11/07/2024
Thallium		2.0		493	500.0	0	98.5	80	120	11/09/2024
Thallium		2.0		518	500.0	0	103.6	80	120	11/07/2024
Vanadium		5.0		1030	1000	0	102.6	80	120	11/12/2024
Vanadium		5.0		999	1000	0	99.9	80	120	11/07/2024
Zinc		15.0		946	1000	0	94.6	80	120	11/12/2024
Zinc		15.0		961	1000	0	96.1	80	120	11/07/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230732 SampType: LCS Units µg/L

SampID: LCS-230732

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

Batch 230734 SampType: MBLK Units µg/L

SampID: MBLK-230734

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	11/11/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/06/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/06/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/06/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/08/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/06/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/06/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/06/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/06/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	11/06/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/08/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/06/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230734		SampType: LCS		Units µg/L							Date Analyzed	
SampID: LCS-230734												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Antimony		1.0		1120	1000	0	112.3	80	120			
Antimony		1.0	SE	1440	1000	0	144.0	80	120			
Arsenic		1.0		1090	1000	0	109.4	80	120			
Barium		1.0		4750	4000	0	118.7	80	120			
Beryllium		1.0		106	100.0	0	105.7	80	120			
Boron		25.0		1040	1000	0	104.0	80	120			
Cadmium		1.0	S	148	100.0	0	147.9	80	120			
Cadmium		1.0		81.5	100.0	0	81.5	80	120			
Chromium		1.5		427	400.0	0	106.8	80	120			
Cobalt		1.0		1060	1000	0	106.0	80	120			
Lead		1.0		1040	1000	0	103.6	80	120			
Lithium	*	3.0		1070	1000	0	106.6	80	120			
Molybdenum		1.5		1170	1000	0	117.0	80	120			
Molybdenum		1.5	SE	1500	1000	0	149.6	80	120			
Nickel		1.0		856	1000	0	85.6	80	120			
Selenium		1.0		1060	1000	0	105.7	80	120			
Thallium		2.0		510	500.0	0	102.0	80	120			



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230877 SampType: MBLK Units µg/L

SampleID: MBLK-230877

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	11/14/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/16/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/14/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/14/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/14/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/14/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/14/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/14/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	11/14/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/14/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/16/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	11/14/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/14/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/14/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	11/19/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/14/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/14/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch	230877	SampType:	LCS	Units µg/L							
SampleID:		LCS-230877									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		4440	4000	0	111.0	80	120	11/14/2024
Antimony			2.0		1100	1000	0	109.6	80	120	11/16/2024
Arsenic			1.0		1080	1000	0	108.0	80	120	11/14/2024
Barium			2.0		4420	4000	0	110.4	80	120	11/19/2024
Beryllium			1.0		114	100.0	0	114.0	80	120	11/14/2024
Boron			25.0		1100	1000	0	109.8	80	120	11/14/2024
Cadmium			1.0		107	100.0	0	107.3	80	120	11/14/2024
Chromium			1.5		458	400.0	0	114.5	80	120	11/14/2024
Cobalt			1.0		863	1000	0	86.3	80	120	11/14/2024
Copper			1.0		544	500.0	0	108.7	80	120	11/14/2024
Iron			25.0		4360	4000	0	109.1	80	120	11/14/2024
Lead			2.0		1090	1000	0	108.8	80	120	11/16/2024
Lithium		*	3.0		1170	1000	0	116.5	80	120	11/14/2024
Molybdenum			3.0		1070	1000	0	106.7	80	120	11/19/2024
Molybdenum			1.5	SE	1250	1000	0	125.0	80	120	11/14/2024
Nickel			1.0		1090	1000	0	109.1	80	120	11/14/2024
Selenium			1.0		1050	1000	0	105.5	80	120	11/14/2024
Silver			2.0		112	100.0	0	111.8	80	120	11/19/2024
Thallium			2.0		536	500.0	0	107.3	80	120	11/14/2024
Vanadium			5.0		1130	1000	0	113.3	80	120	11/14/2024
Zinc			30.0		1110	1000	0	111.0	80	120	11/19/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230949 SampType: MBLK Units µg/L

SampleID: MBLK-230949

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	11/14/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/16/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	11/14/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	11/14/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	11/14/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	11/14/2024
Cadmium		1.0		< 1.0	0.1340	0	0	-100	100	11/14/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	11/14/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	11/14/2024
Copper		1.0		< 1.0	0.2980	0	0	-100	100	11/14/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	11/14/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	11/16/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	11/14/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	11/14/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	11/14/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	11/14/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	11/14/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	11/19/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	11/14/2024
Tin	*	5.0		< 5.0	0.5000	0	0	-100	100	11/14/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	11/14/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	11/19/2024



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230949		SampType: LCS		Units µg/L							
SampID: LCS-230949											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		4230	4000	0	105.8	80	120	11/14/2024	
Antimony		2.0		1080	1000	0	107.5	80	120	11/16/2024	
Arsenic		1.0		1070	1000	0	107.1	80	120	11/14/2024	
Barium		2.0		4600	4000	0	115.1	80	120	11/19/2024	
Beryllium		1.0		107	100.0	0	106.6	80	120	11/14/2024	
Boron		25.0		1030	1000	0	102.9	80	120	11/14/2024	
Cadmium		1.0		107	100.0	0	106.6	80	120	11/14/2024	
Chromium		1.5		447	400.0	0	111.7	80	120	11/14/2024	
Cobalt		1.0		856	1000	0	85.6	80	120	11/14/2024	
Copper		1.0		538	500.0	0	107.6	80	120	11/14/2024	
Iron		25.0		4290	4000	0	107.3	80	120	11/14/2024	
Lead		2.0		1070	1000	0	107.2	80	120	11/16/2024	
Lithium	*	3.0		1070	1000	0	107.4	80	120	11/14/2024	
Manganese		2.0		1070	1000	0	106.7	80	120	11/14/2024	
Molybdenum		1.5	SE	1250	1000	0	125.2	80	120	11/14/2024	
Molybdenum		3.0		1060	1000	0	106.4	80	120	11/16/2024	
Nickel		1.0		1070	1000	0	107.5	80	120	11/14/2024	
Selenium		1.0		1040	1000	0	104.4	80	120	11/14/2024	
Silver		2.0		115	100.0	0	115.1	80	120	11/19/2024	
Thallium		2.0		508	500.0	0	101.5	80	120	11/14/2024	
Tin	*	10.0		1020	1000	0	102.1	80	120	11/16/2024	
Vanadium		5.0		1090	1000	0	108.9	80	120	11/14/2024	
Zinc		30.0		1090	1000	0	108.8	80	120	11/19/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 230949		SampType: MS		Units µg/L							
SampID: 24101589-002BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		1210	1000	1.582	121.0	75	125	11/16/2024	
Arsenic		1.0		997	1000	0	99.7	75	125	11/14/2024	
Barium		1.0		4860	4000	78.67	119.5	75	125	11/19/2024	
Beryllium		1.0		105	100.0	0	104.8	75	125	11/14/2024	
Boron		25.0		2050	1000	1024	102.5	75	125	11/14/2024	
Cadmium		1.0		97.6	100.0	0	97.6	75	125	11/14/2024	
Chromium		1.5		415	400.0	0	103.8	75	125	11/14/2024	
Cobalt		1.0		798	1000	0.1965	79.8	75	125	11/14/2024	
Lead		1.0		1070	1000	0	107.5	75	125	11/16/2024	
Lithium	*	3.0		1070	1000	9.200	105.8	75	125	11/14/2024	
Molybdenum		1.5		1170	1000	5.849	116.2	75	125	11/19/2024	
Selenium		1.0		966	1000	0	96.6	75	125	11/14/2024	
Thallium		2.0		491	500.0	0	98.2	75	125	11/14/2024	

Batch 230949		SampType: MSD	Units µg/L				RPD Limit 20			
SampID: 24101589-002BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		1210	1000	1.582	120.5	1212	0.46	11/16/2024
Arsenic		1.0		1010	1000	0	100.7	996.7	1.02	11/14/2024
Barium		1.0		4780	4000	78.67	117.6	4858	1.59	11/19/2024
Beryllium		1.0		107	100.0	0	107.2	104.8	2.18	11/14/2024
Boron		25.0		2000	1000	1024	98.0	2049	2.19	11/14/2024
Cadmium		1.0		98.9	100.0	0	98.9	97.62	1.30	11/14/2024
Chromium		1.5		421	400.0	0	105.2	415.2	1.31	11/14/2024
Cobalt		1.0		811	1000	0.1965	81.1	798.5	1.61	11/14/2024
Lead		1.0		1070	1000	0	106.8	1075	0.66	11/16/2024
Lithium	*	3.0		1060	1000	9.200	104.8	1067	0.92	11/14/2024
Molybdenum		1.5		1140	1000	5.849	113.3	1168	2.57	11/19/2024
Selenium		1.0		965	1000	0	96.5	965.9	0.08	11/14/2024
Thallium		2.0		490	500.0	0	97.9	491.0	0.26	11/14/2024

Batch 231194		SampType: MBLK		Units µg/L							
SampID: MBLK-231194											
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	11/20/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	11/16/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 231194		SampType: LCS		Units µg/L							
SampID: LCS-231194											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		50.0		4070	4000	0	101.7	80	120	11/20/2024	
Antimony		2.0		1060	1000	0	105.7	80	120	11/16/2024	

Batch 231194		SampType: MS		Units µg/L							
SampID: 24101589-047CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		25.0		4220	4000	79.13	103.4	75	125	11/20/2024	
Antimony		1.0		1240	1000	0	123.7	75	125	11/20/2024	

Batch 231194		SampType:	MSD	Units µg/L					RPD Limit 20		
SampID: 24101589-047CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		4240	4000	79.13	104.0	4216	0.53	11/20/2024
Antimony			1.0	SE	1290	1000	0	129.0	1237	4.21	11/20/2024

Batch 232040	SampType: MBLK	Units µg/L									
SampID: MBLK-232040											
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	12/10/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	12/10/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	12/11/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	12/10/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	12/11/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	12/10/2024	
Lead		1.0	S	443	0.6000	0	73810	-100	100	12/11/2024	
Lead		1.0	S	408	0.6000	0	68040	-100	100	12/10/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	12/10/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	12/10/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	12/11/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	12/10/2024	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	12/11/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	12/10/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

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

Batch 232040		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-232040											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		3800	4000	0	95.1	80	120	12/10/2024	
Antimony		1.0		1030	1000	0	103.2	80	120	12/10/2024	
Arsenic		1.0		1070	1000	0	107.3	80	120	12/11/2024	
Barium		2.0	B	3800	4000	0	94.9	80	120	12/13/2024	
Boron		25.0		973	1000	0	97.3	80	120	12/10/2024	
Boron		25.0		1010	1000	0	100.5	80	120	12/11/2024	
Cobalt		1.0		994	1000	0	99.4	80	120	12/10/2024	
Lead		1.0	B	1000	1000	0	100.5	80	120	12/10/2024	
Lead		1.0	B	1120	1000	0	111.7	80	120	12/11/2024	
Lithium	*	3.0		927	1000	0	92.7	80	120	12/10/2024	
Molybdenum		1.5		997	1000	0	99.7	80	120	12/10/2024	
Selenium		1.0		1010	1000	0	100.6	80	120	12/10/2024	
Selenium		1.0		1070	1000	0	107.3	80	120	12/11/2024	
Silver		1.0		109	100.0	0	109.3	80	120	12/11/2024	
Vanadium		5.0		978	1000	0	97.8	80	120	12/10/2024	

Batch 232040		SampType: MS		Units µg/L							
SampID: 24101589-027CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Selenium		1.0		1070	1000	0	106.6	75	125	12/11/2024	

Batch 232040		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24101589-027CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Selenium			1.0		1090	1000	0	108.6	1066	1.81	12/11/2024

Batch 232040		SampType: MS		Units µg/L							
SampID: 24101589-047CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		983	1000	34.53	94.8	75	125	12/11/2024	

Batch 232040		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24101589-047CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron			25.0		1060	1000	34.53	102.2	982.9	7.24	12/11/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7470A (DISSOLVED)

Batch 230733		SampType: MS		Units µg/L							
SampID: 24101589-018CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.92	5.000	0	98.5	75	125	11/06/2024	

Batch 230733		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-018CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.95	5.000	0	99.0	4.924	0.52	11/06/2024

Batch 230876		SampType: MS		Units µg/L							
SampID: 24110556-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.67	5.000	0	93.4	75	125	11/11/2024	

Batch 230876		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24110556-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.62	5.000	0	92.4	4.668	1.00	11/11/2024

Batch 230944		SampType: MS		Units µg/L							
SampID: 24102205-005CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		8.21	10.00	0	82.1	75	125	11/12/2024	

Batch 230944		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24102205-005CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		7.85	10.00	0	78.5	8.208	4.43	11/12/2024

SW-846 7470A (TOTAL)

Batch 230159		SampType: MBLK		Units µg/L							
SampID: MBLK-230159											
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	11/11/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230159		SampType: LCS		Units µg/L							
SampID: LCS-230159											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.47	5.000	0	89.4	85	115	11/11/2024	

Batch 230159		SampType: MS		Units µg/L							
SampID: 24101589-063BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.34	5.000	0	86.8	75	125	11/11/2024	

Batch 230159		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-063BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.13	5.000	0	82.6	4.338	4.85	11/11/2024

Batch 230470		SampType: MBLK		Units µg/L							
SampID: MBLK-230470											
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	10/31/2024	

Batch 230470		SampType: LCS		Units µg/L							
SampID: LCS-230470											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.45	5.000	0	89.0	85	115	10/31/2024	

Batch 230470		SampType: MS		Units µg/L							
SampID: 24101589-027CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.67	5.000	0	93.4	75	125	10/31/2024	

Batch 230470		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-027CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.56	5.000	0	91.1	4.669	2.44	10/31/2024

Batch 230504		SampType: MBLK		Units µg/L							
SampID: MBLK-230504											
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	11/01/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230504		SampType: LCS		Units µg/L							
SampID: LCS-230504											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.82	5.000	0	96.4	85	115	11/01/2024	

Batch 230504		SampType: MS		Units µg/L							
SampID: 24101589-044CMS											
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	75	125	11/01/2024	

Batch 230504		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-044CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.68	5.000	0	93.6	4.729	1.03	11/01/2024

Batch 230504		SampType: MS		Units µg/L							
SampID: 24101589-059BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.78	5.000	0	95.7	75	125	11/01/2024	

Batch 230504		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-059BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.75	5.000	0	95.1	4.785	0.65	11/01/2024

Batch 230505		SampType: MBLK		Units µg/L							
SampID: MBLK-230505											
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	11/01/2024	

Batch 230505		SampType: LCS		Units µg/L							
SampID: LCS-230505											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.82	5.000	0	96.4	85	115	11/01/2024	

Batch 230505		SampType: MS		Units µg/L							
SampID: 24101589-043BMS											
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	11/01/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230505		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-043BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.98	5.000	0	99.6	4.880	2.00	11/01/2024

Batch 230505		SampType: MS		Units µg/L							
SampID: 24101589-048CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.66	5.000	0	93.1	75	125	11/01/2024	

Batch 230505		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-048CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.60	5.000	0	91.9	4.655	1.26	11/01/2024

Batch 230598		SampType: MBLK		Units µg/L							
SampID: MBLK-230598											
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	11/04/2024	

Batch 230598		SampType: LCS		Units µg/L							
SampID: LCS-230598											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.67	5.000	0	93.4	85	115	11/04/2024	

Batch 230598		SampType: MS		Units µg/L							
SampID: 24101589-055CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.75	5.000	0	94.9	75	125	11/04/2024	

Batch 230598		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-055CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.73	5.000	0	94.5	4.746	0.43	11/04/2024

Batch 230598		SampType: MS		Units µg/L							
SampID: 24101589-097CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.69	5.000	0	93.8	75	125	11/04/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230598		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-097CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.65	5.000	0	93.0	4.688	0.80	11/04/2024

Batch 230599		SampType: MBLK		Units µg/L							
SampID: MBLK-230599											
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	11/04/2024	

Batch 230599		SampType: LCS		Units µg/L							
SampID: LCS-230599											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.50	5.000	0	89.9	85	115	11/04/2024	

Batch 230599		SampType: MS		Units µg/L							
SampID: 24101589-028CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.51	5.000	0	90.1	75	125	11/04/2024	

Batch 230599		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-028CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.36	5.000	0	87.2	4.506	3.34	11/04/2024

Batch 230599		SampType: MS		Units µg/L							
SampID: 24101589-029BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.48	5.000	0	89.6	75	125	11/04/2024	

Batch 230599		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-029BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.33	5.000	0	86.7	4.478	3.28	11/04/2024

Batch 230607		SampType: MBLK		Units µg/L							
SampID: MBLK-230607											
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	11/04/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230607		SampType: LCS		Units µg/L							
SampID: LCS-230607											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.70	5.000	0	94.0	85	115	11/04/2024	

Batch 230607		SampType: MS		Units µg/L							
SampID: 24101589-039CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	3.45	5.000	0	69.0	75	125	11/04/2024	

Batch 230607		SampType: MSD		Units µg/L					RPD Limit 15			Date Analyzed
SampID: 24101589-039CMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury			0.20	S	3.54	5.000	0	70.8	3.448	2.67	11/04/2024	

Batch 230607		SampType: MS		Units µg/L							
SampID: 24101589-040CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.15	5.000	0	83.0	75	125	11/04/2024	

Batch 230607		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-040CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.20	5.000	0	84.1	4.149	1.31	11/04/2024

Batch 230725		SampType: MBLK		Units µg/L								Date Analyzed
SampID: MBLK-230725												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.20		< 0.20	0.0550	0	0	-100	100		11/06/2024	

Batch 230725		SampType: LCS		Units µg/L							
SampID: LCS-230725											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.85	5.000	0	96.9	85	115	11/06/2024	

Batch 230733		SampType: MBLK		Units µg/L								Date Analyzed
SampID: MBLK-230733												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Mercury		0.20		< 0.20	0.0550	0	0	-100	100	11/06/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230733		SampType: LCS		Units µg/L							
SampID: LCS-230733											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.99	5.000	0	99.8	85	115	11/06/2024	

Batch 230733		SampType: MS		Units µg/L							
SampID: 24101589-081CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.86	5.000	0	97.2	75	125	11/06/2024	

Batch 230733		SampType: MSD		Units µg/L					RPD Limit 15		
SampID: 24101589-081CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.78	5.000	0	95.7	4.861	1.58	11/06/2024

Batch 230876		SampType: MBLK		Units µg/L							
SampID: MBLK-230876											
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	11/11/2024	

Batch 230876		SampType: LCS		Units µg/L								
SampID: LCS-230876												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	85	115	11/11/2024	

Batch 230876		SampType: MS		Units µg/L							
SampID: 24101589-088CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.69	5.000	0	93.7	75	125	11/11/2024	

Batch 230876		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-088CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.75	5.000	0	95.0	4.687	1.38	11/11/2024

Batch 230944		SampType: MBLK		Units µg/L							
SampID: MBLK-230944											
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	11/12/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

SW-846 7470A (TOTAL)

Batch 230944		SampType: LCS		Units µg/L							
SampID: LCS-230944											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.63	5.000	0	92.7	85	115	11/12/2024	

Batch 230944		SampType: MS		Units µg/L							
SampID: 24101589-085BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20	S	0.76	5.000	0	15.2	75	125	11/12/2024	

Batch 230944		SampType: MSD		Units µg/L					RPD Limit 15			Date Analyzed
SampID: 24101589-085BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury			0.20	S	0.86	5.000	0	17.1	0.7606	11.74	11/12/2024	

Batch 230946		SampType: MBLK		Units µg/L							
SampID: MBLK-230946											
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	11/12/2024	

Batch 230946		SampType: LCS		Units µg/L							
SampID: LCS-230946											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.69	5.000	0	93.7	85	115	11/12/2024	

Batch 230946		SampType: MS		Units µg/L								
SampID: 24101589-099BMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Mercury		0.20		4.57	5.000	0	91.4	75	125	11/12/2024		

Batch 230946		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24101589-099BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.49	5.000	0	89.7	4.571	1.87	11/12/2024

Batch 230946		SampType: MS		Units µg/L							
SampID: 24110710-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		9.54	10.00	0.1303	94.1	75	125	11/13/2024	



Quality Control Results

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

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101589
Report Date: 19-Dec-24

SW-846 7470A (TOTAL)										
Batch 230946		SampType: MSD		Units µg/L			RPD Limit 15			
SampID: 24110710-001GMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.20		9.50	10.00	0.1303	93.7	9.539	0.42	11/13/2024



Receiving Check List

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll

Work Order: 24101589

Client Project: COF-24Q4

Report Date: 19-Dec-24

Carrier: Justin Colp

Received By: AMD

Completed by:

On:

29-Oct-24

Amber Dilallo

Reviewed by:

On:

12-Nov-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 14.9
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.

Samples were received on 10/29/24 at 1600 on ice [14.9C - LTG#5]. Cooler #1 14.9c. Cooler #2 12.1. Additional Nitric Acid (99964) was needed upon arrival at the laboratory. pH strip #96651. - amberdilallo - 10/29/2024 4:36:28 PM

Samples were received on 10/30/24 at 16.20 on ice [Cooler 1 = 8.1C, Cooler 2 = 9.1C, Cooler 3 = 14.1C, Cooler 4 = 16.7C - LTG10]. Additional nitric acid (99964) was needed in G275 and G275D upon arrival at the laboratory. Additional sodium hydroxide (99725) was needed in G153 upon arrival at the laboratory. pH strip# 96651/98858. G220 was collected on 10/30/24 not 10/24/24 per Justin Colp. - NR/lhenson - 10/30/2024 5:20:13 PM

Samples were received on 10/31/24 at 16.00 on ice [12.5C - LTG#9]. Ph strip #96651/98858. G220 received on 10/31/24. Date/time is for G213 per Brett Gillihan. AD 11/1/24 - lhenson - 11/1/2024 8:35:30 AM

Samples were received on 11/4/24 at 1550 on ice [3.3C - LTG#]. Additional Sodium Hydroxide (99725) was needed upon arrival at the laboratory for G276 and G407. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for G314D and G316. pH strip #96651/98858. Cooler #1 3.3C. Cooler #2 3.5C. Cooler #4 3.5C. Cooler #4 2.1C. - JD/amberdilallo - 11/5/2024 9:07:39 AM

Samples were received on 11/06 at 15.45 on ice temp Cooler #1 4.1C, Cooler #2 3.7C, Cooler #3 5.7C - LTG9]. Ph strip #96651/98858. Additional nitric acid (99964) was needed upon arrival at the laboratory for G312, G314, G401. Additional sodium hydroxide (99725) was needed upon arrival at the laboratory for G401. - JD/lhenson - 11/7/2024 10:22:37 AM

Samples were received on 11/7/24 at 1533 on ice [5.5C - LTG#5]. pH strip #96651/98858. X201 was filtered and preserved with Nitric Acid (99964) for the dissolved parameters upon arrival at the laboratory. Field Blank was filtered unpreserved and preserved with Nitric Acid (99964) and Sulfuric Acid (100658) for the dissolved parameters upon arrival at the laboratory. Field Blank Fecal Coliform ran out of hold time due to lab error. - amberdilallo - 11/8/2024 9:15:43 AM

CHAIN-OF-CUSTODY / Analytical Request Document

24101589

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911		Purchase Order No.:		Project Name: COF 2024 GW			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Project Manager:			
Fax:				Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 /, -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)				
1	AP2D		WT	G				3	1		2																								24101589-001	
2	G1001		WT	G				2	1		1																							24101589-002		
3	G1003		WT	G				2	1		1																							24101589-003		
4	G101		WT	G				5	2	1	1		1																					24101589-004		
5	G102		WT	G				7	2	2	2		1																					24101589-005		
6	G103		WT	G				7	2	2	2		1																					24101589-006		
7	G105		WT	G				7	2	2	2		1																					24101589-007		
8	G106		WT	G				7	2	2	2		1																					24101589-008		
9	G107		WT	G				5	2	1	1		1																					24101589-009		
10	G108		WT	G	10-29-24	0944		5	2	1	1		1																					24101589-010		
11	G109		WT	G		1005		5	2	1	1		1																					24101589-011		
12	G110		WT	G		1033		5	2	1	1		1																					24101589-012		
13	G111		WT	G		1056		5	2	1	1		1																					24101589-013		
14	G119		WT	G		1247		5	2	1	1		1																					24101589-014		
15	G120		WT	G		1308		5	2	1	1		1																					24101589-015		
16	G121		WT	G		1330		5	2	1	1		1																					24101589-016		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q4 Rev 0		J-Cob				10-29		1600		Union Oil Co				10/29/24		1600		14.9 #5																		

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		J. Gelp		10-29	1600	Sharon O'Leary		10/29/24	1600	14.9	>	N	
										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: J. Gelp													
SIGNATURE of SAMPLER: [Signature]										DATE Signed (MM/DD/YY): 10-29-24			

Added HNO3 (99964) to G2P5 & G200 Dup.
pH ✓ 9.6657/9.8858
Cooler #1 14.9C. Cooler #2 12.1
10/29/24

24101589-103

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 134 CIPS Lane Coffeen, IL 62017		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Quote Reference:		Site Location	
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Project Manager:		STATE: IL	
		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSE	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
SAMPLE ID (A-Z, 0-9 /, -) Sample IDs MUST BE UNIQUE		WT	G																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		J-Cob		10-29	1600	Justin Coble		10/29/24	1600	Y N			
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Coble													
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YYYY): 10-29-24													

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Page: 3 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 Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YYYY): 10-29-24				

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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: John Gp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY) 10-29-24				

24101589-103

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: Brian Voelker		REGULATORY AGENCY	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		Site Location IL	
						STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)				
1	G407	WT	G				5	2	2	1																								24101589-081		
2	G410	WT	G				4	1	2	1																								24101589-082		
3	G411	WT	G				4	1	2	1																								24101589-083		
4	L201	WT	G				17	10	2	1	3	1																						24101589-084		
5	NE Riser	WT	G				3	1	2																									24101589-085		
6	R104	WT	G				7	2	2	2	1																							24101589-086		
7	R201	WT	G				6	2	1	2	1																							24101589-087		
8	R205	WT	G				6	2	1	2	1																							24101589-088		
9	SG-02	WT	G				0																											24101589-089		
10	SG-03	WT	G				0																											24101589-090		
11	T127	WT	G		10-29-24	1152	5	2	1	1	1																							24101589-091		
12	T128	WT	G		10-29-24	1215	5	2	1	1	1																								24101589-092	
13	X201	WT	G				3	1	2																										24101589-093	
14	XSG-01	WT	G				0																												24101589-094	
15	Field Blank	WT	G				20	13	2	1	3	1																							24101589-095	
16	G102 Duplicate	WT	G				7	2	2	2	1																								24101589-096	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS			
COF-24Q4 Rev 0		J-Cop		10-29		1600		Mon O'Connell		10/29/24		1600		Y N			
SAMPLER NAME AND SIGNATURE														Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cop																	
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YYYY): 10-29-24																	

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole						
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-29-74					

CHAIN-OF-CUSTODY / Analytical Request Document

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMEP
24101589
COF-845-103

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	AP2D	WT	G					3	1	2									X														24101589-001	
2	G1001	WT	G					2	1	1									X														24101589-002	
3	G1003	WT	G					2	1	1									X					X									24101589-003	
4	G101	WT	G					5	2	1	1		1									X											24101589-004	
5	G102	WT	G					7	2	2	2		1									X								X			24101589-005	
6	G103	WT	G	10-30-24	1706			7	2	2	2		1									X								X			24101589-006	
7	G105	WT	G	↓	1635			7	2	2	2		1									X								X			24101589-007	
8	G106	WT	G	↓	1332			7	2	2	2		1									X								X			24101589-008	
9	G107	WT	G	↓	1346			5	2	1	1		1									X											24101589-009	
10	G108	WT	G					5	2	1	1		1									X											24101589-010	
11	G109	WT	G					5	2	1	1		1									X											24101589-011	
12	G110	WT	G					5	2	1	1		1									X											24101589-012	
13	G111	WT	G					5	2	1	1		1									X											24101589-013	
14	G119	WT	G					5	2	1	1		1									X											24101589-014	
15	G120	WT	G					5	2	1	1		1									X											24101589-015	
16	G121	WT	G					5	2	1	1		1									X											24101589-016	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q4 Rev 0			S-L SD			10-30	1620	Garcia Denis			10/30/24	16:20	8.1					X																

G1220 was collected on 10/30/24 not 10/24/24 per Justin 10/30/24

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: Justin GLO					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-30-24				

PH 96651/98858 Temp Cooler | 8.1
 Added HNO₃ (99964) to 2 9.1
 G275, G275D. Added NaOH (99725) 3 14.1
 to 6153 4 16.7

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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 Galt					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-30-24				

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Page: 3 of 7

[illegible]

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	SD SD	10-30	1620	Josh Davis	10/30/24	16:20	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 Gold					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-30-24				

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: 4 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Profile #:			
		Project Number: 1940106781-003					

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										Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
												Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		[Signature]		10-30	1620	[Signature]		10/30/24	1620	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 Cole
SIGNATURE of SAMPLER:	[Signature]
DATE Signed (MM/DD/YY):	10-30-24

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

Page: 6 of 7

Company: Vistra Corp-Coffeeen		Report To: Brian Voelker	Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name: COF 2024 GW	Project Manager:	Site Location		
Requested Due Date/TAT:	10 day	Project Number: 1940106781-003	Profile #:	STATE:	IL	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS 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_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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)				
1	G407		WT	G				5	2		2		1					X															24101589-081			
2	G410		WT	G				4	1		2		1																			24101589-082				
3	G411		WT	G				4	1		2		1																			24101589-083				
4	L201		WT	G				17	10	2	1	3	1																			24101589-084				
5	NE Riser		WT	G				3	1		2																					24101589-085				
6	R104		WT	G	10-30-24	1302		7	2	2	2		1																			24101589-086				
7	R201		WT	G	10-30-24	1410		6	2	1	2		1																			24101589-087				
8	R205		WT	G				6	2	1	2		1																			24101589-088				
9	SG-02		WT	G				0																								24101589-089				
10	SG-03		WT	G				0																								24101589-090				
11	T127		WT	G				5	2	1	1		1																			24101589-091				
12	T128		WT	G				5	2	1	1		1																			24101589-092				
13	X201		WT	G				3	1		2																					24101589-093				
14	XSG-01		WT	G				0																								24101589-094				
15	Field Blank		WT	G				20	13	2	1	3	1																			24101589-095				
16	G102 Duplicate		WT	G				7	2	2	2		1																			24101589-096				
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION						DATE		TIME		SAMPLE CONDITIONS																
COF-24Q4 Rev 0			[Signature] SS			10-30		1620		[Signature] Denise						10/30/24		1620		> z																

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>John Cole</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>12-30-24</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:

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**
Jason Grieve: Jason.Grieve@visiracorp.com
Purchase Order No.:
Project Name: **COF 2024 GW**
Project Number: **1940108781-003**

Section C

Invoice Information:

Attention: **Brian Voelker**
Company Name: **Visira Corp**
Address: **see Section A**
Quote
Reference
Project
Invoice #:

Page: 7 of 7

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		PRESERVATIVES		ANALYSIS TEST		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	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
1	G200 Duplicate	WT	G				6	2	1	2	1							X					X	X				X		24101589-097	
2	G217 Duplicate	WT	G				6	2	1	2	1						X					X					X		24101589-098		
3	G301 Duplicate	WT	G				2	1		1							X			X									24101589-099		
4	R201 Duplicate	WT	G	10-30-24	1410		6	2	1	2	1							X					X	X			X		24101589-100		
5	Equipment Blank 1	WT	G				7	4	1	1	1						X	X	X	X	X	X	X	X	X	X	X	X	X	24101589-101	
6	Equipment Blank 2	WT	G				7	4	1	1	1						X	X	X	X	X	X	X	X	X	X	X	X	X	24101589-102	
7	Equipment Blank 3	WT	G				7	4	1	1	1						X	X	X	X	X	X	X	X	X	X	X	X	X	24101589-103	
8																															
9																															
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0	<i>[Signature]</i>	10-30	1622	<i>[Signature]</i>	10/30/24	16:20				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	<i>Justin Gelp</i>				
SIGNATURE of SAMPLER:	<i>[Signature]</i>	DATE signed (MM/DD/YYYY):	10-30-24		

24101589

Invoice information:

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

PH 96651/98858	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):				
	[Handwritten Signature]					
	[Handwritten Signature]					
	[Handwritten Signature]					

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Page: 2 of 7

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name: COF 2024 GW	Project Manager:	Site Location	IL	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:	STATE:		

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Lisha Gop</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>10-31-24</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: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A		REGULATORY AGENCY	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		Profile #:		Site Location IL	
						STATE:	

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		DW WT WW P SL OL WPE AR OT TSSUE	CODE			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		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: 4 of 7	
Company: Vistra Corp-Coffeeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Profile #:			
		Project Number: 1940106781-003					

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 WP AR OTHER OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test #	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)			
1	G275		WT	G				6	2	1	2		1																				24101589-049		
2	G275D		WT	G				3	1		2																						24101589-050		
3	G276		WT	G				6	2	1	2		1																				24101589-051		
4	G277		WT	G				6	2	1	2		1																				24101589-052		
5	G278		WT	G				6	2	1	2		1																				24101589-053		
6	G279		WT	G				6	2	1	2		1																				24101589-054		
7	G280		WT	G				6	2	1	2		1																				24101589-055		
8	G281		WT	G				5	2		2		1																				24101589-056		
9	G283		WT	G				3	1		2																						24101589-057		
10	G284		WT	G	10-31-24	1235		3	1		2																						24101589-058		
11	G285		WT	G				3	1		2																						24101589-059		
12	G301		WT	G				2	1		1																						24101589-060		
13	G302		WT	G				2	1		1																						24101589-061		
14	G303		WT	G				2	1		1																						24101589-062		
15	G305		WT	G				2	1		1																						24101589-063		
16	G306		WT	G				2	1		1																						24101589-064		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q4 Rev 0			S. S.			10-31		1600		Brian Voelker			10/31/24		1600																				

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Brian Voelker							
SIGNATURE of SAMPLER: <i>[Signature]</i>							
DATE Signed (MM/DD/YYYY): 10-31-24							

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: Vistra Corp-Coffeeen		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quota Reference:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		Profile #:			
						REGULATORY AGENCY	
						NPDES GROUND WATER DRINKING WATER	
						UST RCRA OTHER	
						Site Location	
						STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)				
1	G307	WT	G				2	1	1								X					X												24101589-065		
2	G307D	WT	G				2	1	1								X					X												24101589-066		
3	G308	WT	G				2	1	1								X					X												24101589-067		
4	G310	WT	G				2	1	1								X					X												24101589-068		
5	G312	WT	G				2	1	1								X					X												24101589-069		
6	G313	WT	G				2	1	1								X					X												24101589-070		
7	G314	WT	G				2	1	1								X					X												24101589-071		
8	G314D	WT	G				2	1	1								X					X												24101589-072		
9	G315	WT	G				2	1	1								X					X												24101589-073		
10	G316	WT	G				2	1	1								X					X												24101589-074		
11	G401	WT	G				5	2	2		1							X				X						X						24101589-075		
12	G402	WT	G				5	2	2		1							X				X						X						24101589-076		
13	G403	WT	G				5	2	2		1							X				X						X						24101589-077		
14	G404	WT	G				5	2	2		1							X				X						X						24101589-078		
15	G405	WT	G				5	2	2		1							X				X						X						24101589-079		
16	G406	WT	G				5	2	2		1							X				X						X						24101589-080		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																						
COF-24Q4 Rev 0		Sif SD		10-31		1600		Sif SD		10/31/16		1600		Y Z																						

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		[Signature]		10-31	1600	[Signature]		10/31/24	1600				
SAMPLER NAME AND SIGNATURE										Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)			
PRINT Name of SAMPLER: NA													
SIGNATURE of SAMPLER: NA													
										DATE Signed (MM/DD/YYYY):			

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company: **Vistra Corp-Coffee**
Address: **134 CIPS Lane**
Coffee, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B

Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies: samantha.davies@vistracorp.com**
Jason Grieve: Jason.Grieve@vistracorp.com
Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:
Project Name: **COF 2024 GW**
Project Number: **1940106781-003**

Section C

Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote Reference:
Project Manager:
Profile #:

Page: **6** of **7**

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		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.
ITEM #	SAMPLE ID (A-Z, 0-9 / . -) Sample IDs MUST BE UNIQUE	DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OL WPE AR OTHER TSSUE	OW WT WW P SL OL WP AR OT TB			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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
1	G407		WT	G			5	2								X															24101589-081			
2	G410		WT	G			4	1																							24101589-082			
3	G411		WT	G			4	1																							24101589-083			
4	L201		WT	G			17	10	2	1	3	1						X													24101589-084			
5	NE Riser		WT	G			3	1									X														24101589-085			
6	R104		WT	G			7	2	2									X													24101589-086			
7	R201		WT	G			6	2	1								X														24101589-087			
8	R205		WT	G			6	2	1																						24101589-088			
9	SG-02		WT	G			0									X	X														24101589-089			
10	SG-03		WT	G			0									X	X														24101589-090			
11	T127		WT	G			5	2	1									X													24101589-091			
12	T128		WT	G			5	2	1									X													24101589-092			
13	X201		WT	G			3	1										X						X		X					24101589-093			
14	XSG-01		WT	G			0									X															24101589-094			
15	Field Blank		WT	G			20	13	2	1	3	1				X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-095			
16	G102 Duplicate		WT	G	10-31-24	0954	7	2	2	2	1								X												24101589-096			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		STI SS	10-31	1600	Union Ovalle	10/31/24	1600				
SAMPLER NAME AND SIGNATURE								Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin CW											
SIGNATURE of SAMPLER: [Signature]											
DATE Signed (MM/DD/YY): 10-31-24											

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 Address: 134 CIPS Lane Coffeen, IL 62017 Email To: Brian.Voelker@VistraCorp.com Phone: (217) 753-8911 Fax: _____ Requested Due Date/TAT: 10 day		Report To: Brian Voelker Copy To: Sam Davies: samantha.davies@vistracorp.com Jason Grieve: Jason.Grieve@vistracorp.com Purchase Order No.: _____ Project Name: COF 2024 GW Project Number: 1940106781-003		Attention: Brian Voelker Company Name: Vistra Corp Address: see Section A Quote: _____ Project: _____ Profile #: _____		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3">REGULATORY AGENCY</th> </tr> <tr> <td>NPDES</td> <td>GROUND WATER</td> <td>DRINKING WATER</td> </tr> <tr> <td>UST</td> <td>RCRA</td> <td>OTHER</td> </tr> <tr> <td colspan="2">Site Location</td> <td>IL</td> </tr> <tr> <td colspan="2">STATE:</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:																									
Section D Required Client Information:		Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS		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)	SAMPLE TYPE (G=GRAB C=COMP)	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	Analysis Test #	Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
1	G200 Duplicate	WT	G			6	2 1 2 1				X					X			X			X			24101589-097
2	G217 Duplicate	WT	G	10-31-24	1053	6	2 1 2 1				X					X						X			24101589-098
3	G301 Duplicate	WT	G			2	1 1 1			X					X										24101589-099
4	R201 Duplicate	WT	G			6	2 1 2 1				X					X			X		X				24101589-100
5	Equipment Blank 1	WT	G			7	4 1 1 1			X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-101
6	Equipment Blank 2	WT	G			7	4 1 1 1			X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-102
7	Equipment Blank 3	WT	G			7	4 1 1 1			X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101589-103
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS															
COF-24Q4 Rev 0		[Signature]		10-31	1600	[Signature]		10-31	1600																
SAMPLER NAME AND SIGNATURE										Temp in °C		Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)									
PRINT Name of SAMPLER: Justin [Signature]																									
SIGNATURE of SAMPLER: [Signature]										DATE signed (MM/DD/YY): 10-31-24															

24101589 103

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911		Project Name: COF 2024 GW		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	AP2D		WT	G				3	1	2									X														24101589-001	
2	G1001		WT	G				2	1	1									X														24101589-002	
3	G1003		WT	G				2	1	1									X														24101589-003	
4	G101		WT	G				5	2	1	1	1																					24101589-004	
5	G102		WT	G				7	2	2	2		1																				24101589-005	
6	G103		WT	G				7	2	2	2		1																				24101589-006	
7	G105		WT	G				7	2	2	2		1																				24101589-007	
8	G106		WT	G				7	2	2	2		1																				24101589-008	
9	G107		WT	G				5	2	1	1		1																				24101589-009	
10	G108		WT	G				5	2	1	1		1																				24101589-010	
11	G109		WT	G				5	2	1	1		1																				24101589-011	
12	G110		WT	G				5	2	1	1		1																				24101589-012	
13	G111		WT	G				5	2	1	1		1																				24101589-013	
14	G119		WT	G				5	2	1	1		1																				24101589-014	
15	G120		WT	G				5	2	1	1		1																				24101589-015	
16	G121		WT	G				5	2	1	1		1																				24101589-016	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																
COF-24Q4 Rev 0			2150			11-4		1550		Jodie Davis				11-4-24		15:50		3.3 #5																

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		2410		11-4	1550	Jodie Davis		11-4	15:50	3.3			
										#5			
										Temp in °C			
										Received on Ice (Y/N)			
										Custody Sealed Cooler (Y/N)			
										Samples Intact (Y/N)			

Cooler #1 3.3c
Cooler #2 3.5c LTA5
Cooler #3 3.5c
Cooler #4 2.1c
Urn 11/5/24

Added NaOH (99725) to Samples G276, G407
HNO3 (9964) to Samples G314D, G316
PH 96651, 98858

JD 11/5/24

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Page: 2 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <u>Tracy Carroll</u>					
SIGNATURE of SAMPLER: <u>[Signature]</u>	DATE Signed (MM/DD/YY): <u>7/14/74</u>				

24101589-03

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-Coffeeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location: IL STATE:	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		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)																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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)					
1	G210	WT	G				6	2	1	2	1																										24101589-033
2	G211	WT	G				6	2	1	2	1																										24101589-034
3	G212	WT	G				6	2	1	2	1																										24101589-035
4	G213	WT	G				6	2	1	2	1																										24101589-036
5	G214	WT	G				6	2	1	2	1																										24101589-037
6	G215	WT	G				6	2	1	2	1																										24101589-038
7	G216	WT	G				6	2	1	2	1																										24101589-039
8	G217	WT	G				6	2	1	2	1																										24101589-040
9	G218	WT	G				6	2	1	2	1																										24101589-041
10	G219	WT	G				3	1		2																											24101589-042
11	G220	WT	G				3	1		2																											24101589-043
12	G270	WT	G				6	2	1	2	1																										24101589-044
13	G271	WT	G				6	2	1	2	1																										24101589-045
14	G272	WT	G				6	2	1	2	1																										24101589-046
15	G273	WT	G				6	2	1	2	1																										24101589-047
16	G274	WT	G				6	2	1	2	1																										24101589-048
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																							
COF-24Q4 Rev 0		27 GO		11-4		1550		Apoli Davis		11-4-24		15:50		> z																							

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS							
COF-24Q4 Rev 0		21 SO		11-4		15:50		Jodie Davis		11-424		15:50									
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: NA																					
SIGNATURE of SAMPLER: NA																					
														DATE Signed (MM/DD/YY):							

24101589-103

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Reference:		Site Location	
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Project Manager:		STATE: IL	
		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP 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							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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
SAMPLE ID (A-Z, 0-9 /, -) Sample IDs MUST BE UNIQUE		DATE	TIME	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.														
1	G275	WT	G				6	2	1	2		1																	24101589-049				
2	G275D	WT	G				3	1		2																			24101589-050				
3	G276	WT	G	11/4/24		1126	6	2	1	2		1																	24101589-051				
4	G277	WT	G				6	2	1	2		1																	24101589-052				
5	G278	WT	G				6	2	1	2		1																	24101589-053				
6	G279	WT	G				6	2	1	2		1																	24101589-054				
7	G280	WT	G				6	2	1	2		1																	24101589-055				
8	G281	WT	G				5	2		2		1																	24101589-056				
9	G283	WT	G				3	1		2																			24101589-057				
10	G284	WT	G				3	1		2																			24101589-058				
11	G285	WT	G				3	1		2																			24101589-059				
12	G301	WT	G				2	1		1																			24101589-060				
13	G302	WT	G				2	1		1																			24101589-061				
14	G303	WT	G				2	1		1																			24101589-062				
15	G305	WT	G				2	1		1																			24101589-063				
16	G306	WT	G	11-4-24		1019	2	1		1																			24101589-064				
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q4 Rev 0		21 SO			11-4	1550	Justin Davis			11/4/24	15:50																						

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Cole		DATE Signed (MM/DD/YY): 11-4-24	
SIGNATURE of SAMPLER: <i>Justin Cole</i>			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

24101589

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**
Jason Grieve: Jason.Grieve@vistracorp.com
Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:
Project Name: **COF 2024 GW**
Project Number: **1940106781-003**

Section C Invoice Information:

Attention: **Brian Voelker**
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	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G	11-4-24	1119		2	1								X																24101589-065
2	G307D	WT	G	11-4-24	1056		2	1								X																24101589-066
3	G308	WT	G	11-4-24	1156		2	1								X																24101589-067
4	G310	WT	G				2	1								X																24101589-068
5	G312	WT	G				2	1								X																24101589-069
6	G313	WT	G				2	1								X																24101589-070
7	G314	WT	G				2	1								X																24101589-071
8	G314D	WT	G	11-4-24	1350		2	1								X																24101589-072
9	G315	WT	G	11-4-24	1316		2	1								X																24101589-073
10	G316	WT	G	11-4-24	1236		2	1								X																24101589-074
11	G401	WT	G				5	2									X															24101589-075
12	G402	WT	G	11-4-24	1157		5	2								X																24101589-076
13	G403	WT	G		1106		5	2								X																24101589-077
14	G404	WT	G		1040		5	2								X																24101589-078
15	G405	WT	G		1021		5	2								X																24101589-079
16	G406	WT	G		1746		5	2								X																24101589-080

SAMPLER NAME AND SIGNATURE		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS	
PRINT Name of SAMPLER:	<i>Justin Gop</i>	DATE	TIME	Y	Z
SIGNATURE of SAMPLER:	<i>Just Gop</i>	DATE Signed (MM/DD/YY):	11-4-24		

CHAIN-OF-CUSTODY / Analytical Request Document

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24101589 103

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test 4	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		[Signature]		11-4	1850	[Signature]		11/4/24	15:50				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: [Signature]													
SIGNATURE of SAMPLER: [Signature]													

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Page: 7 of 7

CHAIN-OF-CUSTODY / Analytical Request Document

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GME
24101589
COF-845-103

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Profile #:			
		Project Number: 1940106781-003					

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	AP2D	WT	G				3	1	2										X													24101589-001		
2	G1001	WT	G				2	1	1										X													24101589-002		
3	G1003	WT	G				2	1	1										X													24101589-003		
4	G101	WT	G				5	2	1	1	1																					24101589-004		
5	G102	WT	G				7	2	2	2	1																					24101589-005		
6	G103	WT	G				7	2	2	2	1																					24101589-006		
7	G105	WT	G				7	2	2	2	1																					24101589-007		
8	G106	WT	G				7	2	2	2	1																					24101589-008		
9	G107	WT	G				5	2	1	1	1																					24101589-009		
10	G108	WT	G				5	2	1	1	1																					24101589-010		
11	G109	WT	G				5	2	1	1	1																					24101589-011		
12	G110	WT	G				5	2	1	1	1																					24101589-012		
13	G111	WT	G				5	2	1	1	1																					24101589-013		
14	G119	WT	G				5	2	1	1	1																					24101589-014		
15	G120	WT	G				5	2	1	1	1																					24101589-015		
16	G121	WT	G				5	2	1	1	1																					24101589-016		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																				
COF-24Q4 Rev 0		[Signature]		11-6		1545		[Signature]		11/6		1545		> z																				

Added HNO₃(99964) G312, G314, G401

NaOH(99725) G401

PH 96651, 98858

JD 11-7-24 8

Temp: 4.1

5.7

3.7

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: NA		DATE Signed (MM/DD/YYYY):	
SIGNATURE of SAMPLER: NA			
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: 2 of 7

COF-24Q4 Rev 0

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Tracy Carroll SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 11/16/24		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Purchase Order No.:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Quote Reference:			
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		Project Manager:			
				Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Requested Analysis Filtered (Y/N)															Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	G210	WT	G				6	2	1	2	1																							24101589-033
2	G211	WT	G				6	2	1	2	1																							24101589-034
3	G212	WT	G				6	2	1	2	1																							24101589-035
4	G213	WT	G				6	2	1	2	1																							24101589-036
5	G214	WT	G				6	2	1	2	1																							24101589-037
6	G215	WT	G				6	2	1	2	1																							24101589-038
7	G216	WT	G				6	2	1	2	1																							24101589-039
8	G217	WT	G				6	2	1	2	1																							24101589-040
9	G218	WT	G				6	2	1	2	1																							24101589-041
10	G219	WT	G				3	1		2																								24101589-042
11	G220	WT	G				3	1		2																								24101589-043
12	G270	WT	G				6	2	1	2	1																							24101589-044
13	G271	WT	G				6	2	1	2	1																							24101589-045
14	G272	WT	G				6	2	1	2	1																							24101589-046
15	G273	WT	G				6	2	1	2	1																							24101589-047
16	G274	WT	G				6	2	1	2	1																							24101589-048
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																
COF-24Q4 Rev 0		[Signature]				11-6		1545		[Signature]				11/6		1545		> z																

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
COF-24Q4 Rev 0		<i>[Signature]</i>		11-6	1545	<i>[Signature]</i>		11/6	1545		
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: NA SIGNATURE of SAMPLER: NA										DATE Signed (MM/DD/YY): Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)	

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7	
Company: Vistra Corp-Coffee		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffee, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A		REGULATORY AGENCY	
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com				NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Quote Reference:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Project Manager:		Site Location	
		Project Number: 1940108781-003		Profile #:		STATE: IL	

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	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)			
1	G275	WT	G				6	2	1	2		1																					24101589-049	
2	G275D	WT	G				3	1		2																							24101589-050	
3	G276	WT	G				6	2	1	2		1																					24101589-051	
4	G277	WT	G				6	2	1	2		1																					24101589-052	
5	G278	WT	G				6	2	1	2		1																					24101589-053	
6	G279	WT	G				6	2	1	2		1																					24101589-054	
7	G280	WT	G				6	2	1	2		1																					24101589-055	
8	G281	WT	G				5	2		2		1					X	X				X	X										24101589-056	
9	G283	WT	G				3	1		2																								24101589-057
10	G284	WT	G				3	1		2																								24101589-058
11	G285	WT	G				3	1		2																								24101589-059
12	G301	WT	G				2	1		1							X					X												24101589-060
13	G302	WT	G	11-6-24	1158		2	1		1							X					X												24101589-061
14	G303	WT	G	11-6-24	1348		2	1		1							X					X												24101589-062
15	G305	WT	G	11-6-24	1320		2	1		1							X					X												24101589-063
16	G306	WT	G				2	1		1							X					X												24101589-064

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS			
COF-24Q4 Rev 0		<i>Sam Davies</i>		11-6-24		1545		<i>Justin Cap</i>		11/6		1545					
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 Cap</i>																	
SIGNATURE of SAMPLER: <i>Justin Cap</i>										DATE Signed (MM/DD/YY): 11-6-24							

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Profile #:			
		Project Number: 1940106781-003					

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)												Project No./ Lab I.D.				
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000		COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	G307		WT	G						2	1		1							X															24101589-065	
2	G307D		WT	G						2	1		1							X															24101589-066	
3	G308		WT	G						2	1		1							X															24101589-067	
4	G310		WT	G	11-6-24		1121			2	1		1							X															24101589-068	
5	G312		WT	G	11-6-24		1252			2	1		1							X															24101589-069	
6	G313		WT	G						2	1		1							X															24101589-070	
7	G314		WT	G	11-6-24		1411			2	1		1							X															24101589-071	
8	G314D		WT	G						2	1		1							X															24101589-072	
9	G315		WT	G						2	1		1							X															24101589-073	
10	G316		WT	G						2	1		1							X															24101589-074	
11	G401		WT	G	11-6-24		1036			5	2		2		1					X															24101589-075	
12	G402		WT	G						5	2		2		1					X															24101589-076	
13	G403		WT	G						5	2		2		1					X															24101589-077	
14	G404		WT	G						5	2		2		1					X															24101589-078	
15	G405		WT	G						5	2		2		1					X															24101589-079	
16	G406		WT	G						5	2		2		1					X															24101589-080	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q4 Rev 0			SJS			11-6		1545		SJS			11/6		1545							> z														

SAMPLER NAME AND SIGNATURE				Temp in °C	Received on box (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin GAO							
SIGNATURE of SAMPLER: Justin GAO							
DATE Signed (MM/DD/YY): 11-6-24							

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE: IL	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Purchase Order No.:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information		Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test (Y/N)	Requested Analysis Filtered (Y/N)										Project No./ Lab I.D.			
	SAMPLE ID (A-Z, 0-9 / .)	Sample IDs MUST BE UNIQUE	MATRIX CODE	CODE			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102		COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	G407		WT	G						5	2																								24101589-081
2	G410		WT	G	11-6-24	0959				4	1																							24101589-082	
3	G411		WT	G	11-6-24	0922				4	1																							24101589-083	
4	L201		WT	G						17	10																							24101589-084	
5	NE Riser		WT	G						3	1																							24101589-085	
6	R104		WT	G						7	2																							24101589-086	
7	R201		WT	G						8	2																							24101589-087	
8	R205		WT	G	11/6/24	1253				6	2																							24101589-088	
9	SG-02		WT	G						0																								24101589-089	
10	SG-03		WT	G						0																								24101589-090	
11	T127		WT	G						5	2																							24101589-091	
12	T128		WT	G						5	2																							24101589-092	
13	X201		WT	G						3	1																							24101589-093	
14	XSG-01		WT	G						0																								24101589-094	
15	Field Blank		WT	G						20	13																							24101589-095	
16	G102 Duplicate		WT	G						7	2																							24101589-096	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE			TIME			ACCEPTED BY / AFFILIATION			DATE			TIME			SAMPLE CONDITIONS														
COF-24Q4 Rev 0			[Signature]			11-6			1545			[Signature]			11/6			1545																	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on box (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YYYY): 11-6-24					

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Analysis ID	Analysis Name	Requested Analysis Filtered (Y/N)
1	Analysis 1	
2	Analysis 2	
3	Analysis 3	
4	Analysis 4	
5	Analysis 5	
6	Analysis 6	
7	Analysis 7	
8	Analysis 8	
9	Analysis 9	
10	Analysis 10	
11	Analysis 11	
12	Analysis 12	
13	Analysis 13	
14	Analysis 14	
15	Analysis 15	
16	Analysis 16	
17	Analysis 17	
18	Analysis 18	
19	Analysis 19	
20	Analysis 20	
21	Analysis 21	
22	Analysis 22	
23	Analysis 23	
24	Analysis 24	
25	Analysis 25	
26	Analysis 26	
27	Analysis 27	
28	Analysis 28	
29	Analysis 29	
30	Analysis 30	
31	Analysis 31	
32	Analysis 32	
33	Analysis 33	
34	Analysis 34	
35	Analysis 35	
36	Analysis 36	
37	Analysis 37	
38	Analysis 38	
39	Analysis 39	
40	Analysis 40	
41	Analysis 41	
42	Analysis 42	
43	Analysis 43	
44	Analysis 44	
45	Analysis 45	
46	Analysis 46	
47	Analysis 47	
48	Analysis 48	
49	Analysis 49	
50	Analysis 50	
51	Analysis 51	
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79	Analysis 79	
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81	Analysis 81	
82	Analysis 82	
83	Analysis 83	
84	Analysis 84	
85	Analysis 85	
86	Analysis 86	
87	Analysis 87	
88	Analysis 88	
89	Analysis 89	
90	Analysis 90	
91	Analysis 91	
92	Analysis 92	
93	Analysis 93	
94	Analysis 94	
95	Analysis 95	
96	Analysis 96	
97	Analysis 97	
98	Analysis 98	
99	Analysis 99	
100	Analysis 100	

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: NA					
SIGNATURE OF SAMPLER: NA	DATE signed (MM/DD/YY):				

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Page: 1 of 1

PHV 96651/98858
OH8

Field Blank Fecal ran out of hold due to lab error. Jm 11/8/24

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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: Brett Gillman					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 1/7/24				

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: 5 of 7	
Company: Vistra Corp-Coffee		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffee, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.	
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)			
1	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	G307	WT	G				2	1		1																								24101589-065
2		G307D	WT	G				2	1		1																								24101589-066
3		G308	WT	G				2	1		1																								24101589-067
4		G310	WT	G				2	1		1																								24101589-068
5		G312	WT	G				2	1		1																								24101589-069
6		G313	WT	G		11-7-24	1140	2	1		1																								24101589-070
7		G314	WT	G				2	1		1																								24101589-071
8		G314D	WT	G				2	1		1																								24101589-072
9		G315	WT	G				2	1		1																								24101589-073
10		G316	WT	G				2	1		1																								24101589-074
11		G401	WT	G				5	2		2		1																						24101589-075
12		G402	WT	G				5	2		2		1																						24101589-076
13		G403	WT	G				5	2		2		1																						24101589-077
14		G404	WT	G				5	2		2		1																						24101589-078
15		G405	WT	G				5	2		2		1																						24101589-079
16		G406	WT	G				5	2		2		1																						24101589-080
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																	
COF-24Q4 Rev 0			Jesse Carrillo			11/7/24		1553		Jackie Davis				11/7/24		1533		> z																	

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS				
COF-24Q4 Rev 0		<i>Jason Grieve</i>		11/7/24	15:33	<i>Jackie Davis</i>		11/7/24	15:33					
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Justin Cop</i> SIGNATURE of SAMPLER: <i>Justin Cop</i>										DATE Signed (MM/DD/YY): <i>11-7-24</i>	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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Page: 6 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on (YY)	Custody Sealed Cooler (YY)	Samples Intact (YY)
PRINT Name of SAMPLER: Justin Cor					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 11-7-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 7 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		REGULATORY AGENCY	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		NPDES	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp		GROUND WATER	
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A		RCRA	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Name:		OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		Profile #:		Site Location	
						STATE: IL	

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes C=COMP)	SAMPLE TYPE (G=GRAB)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Y/N	Requested Analysis Filtered (Y/N)																Project No. / Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	SAMPLE ID (A-Z, 0-9 / -)	Sample IDs MUST BE UNIQUE	DRINKING WATER WT WASTE WATER WW PRODUCT SL OIL WPE AR OTHER TRESUE	CODE DW WT WW P SL OIL WPE 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		Jenny Carroll		11/7/24	1533	Jenny Carroll		11/7/24	15:33				
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>Jenny Carroll</i>													
SIGNATURE of SAMPLER: <i>Jenny Carroll</i> DATE Signed (MM/DD/YY): <i>11/7/24</i>													

December 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-24Q4

WorkOrder: 24101590

Dear Eric Bauer:

TEKLAB, INC received 64 samples on 11/7/2024 3:33:00 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: 24101590

Client Project: COF-24Q4

Report Date: 17-Dec-24

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Sample Summary	66
Receiving Check List	68
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24101590

Client Project: COF-24Q4

Report Date: 17-Dec-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: 24101590

Client Project: COF-24Q4

Report Date: 17-Dec-24

Qualifiers

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



Case Narrative

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

Client: Ramboll

Work Order: 24101590

Client Project: COF-24Q4

Report Date: 17-Dec-24

Cooler Receipt Temp: 14.9 °C

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

G1003 and G277 could not be collected; the wells were dry. G276 went dry during sample collection. Equipment Blanks were not needed (dedicated equipment, only, was employed).

Dates/times of collection per field file confirmation. EAH 11/14/24

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: 24101590

Client Project: COF-24Q4

Report Date: 17-Dec-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	6/30/2025	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2025	Collinsville
Oklahoma	ODEQ	9978	NELAP	12/31/2024	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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-001
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G1001
Collection Date: 11/07/2024 11:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:21	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-003
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G151
Collection Date: 10/30/2024 9:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:21	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-004
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G152
Collection Date: 11/06/2024 11:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:22	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-005	Client Sample ID: G153
Matrix: GROUNDWATER	Collection Date: 10/30/2024 10:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:22	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-006
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G154
Collection Date: 10/30/2024 10:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:22	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-007
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G155
Collection Date: 10/30/2024 9:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:22	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-008	Client Sample ID: G200
Matrix: GROUNDWATER	Collection Date: 10/29/2024 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:22	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-009
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G206
Collection Date: 10/31/2024 14:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:23	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-010	Client Sample ID: G206D
Matrix: GROUNDWATER	Collection Date: 10/31/2024 13:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:23	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-011	Client Sample ID: G209
Matrix: GROUNDWATER	Collection Date: 10/31/2024 13:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:23	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-012
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G212
Collection Date: 10/31/2024 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	12/02/2024 12:19	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-013
Matrix: GROUNDWATER
Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G213
Collection Date: 10/31/2024 11:37

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:19	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-014
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G215
Collection Date: 10/31/2024 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:20	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-015
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G217
Collection Date: 10/31/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:20	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-016
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G218
Collection Date: 10/31/2024 10:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:20	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-017
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G219
Collection Date: 10/31/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:20	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-018	Client Sample ID: G220
Matrix: GROUNDWATER	Collection Date: 10/30/2024 13:08

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:20	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-019	Client Sample ID: G270
Matrix: GROUNDWATER	Collection Date: 10/29/2024 14:01

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:20	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-020
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G271
Collection Date: 10/31/2024 14:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:20	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-021	Client Sample ID: G273
Matrix: GROUNDWATER	Collection Date: 10/31/2024 13:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/02/2024 12:20	R357464



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-022
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G275
Collection Date: 10/30/2024 10:04

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 12:08	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-023
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G275D
Collection Date: 10/30/2024 9:42

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 12:08	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-024
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G276
Collection Date: 11/04/2024 11:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 12:08	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-026
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G279
Collection Date: 10/30/2024 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	12/05/2024 12:08	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-027	Client Sample ID: G280
Matrix: GROUNDWATER	Collection Date: 10/30/2024 12:14

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 12:08	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-028
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G281
Collection Date: 10/30/2024 14:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 12:12	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-029
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G283
Collection Date: 11/07/2024 12:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 12:11	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-030
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G284
Collection Date: 10/31/2024 12:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 12:12	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-031	Client Sample ID: G285
Matrix: GROUNDWATER	Collection Date: 10/29/2024 11:34

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 12:12	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-032	Client Sample ID: G301
Matrix: GROUNDWATER	Collection Date: 11/07/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:35	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-033	Client Sample ID: G302
Matrix: GROUNDWATER	Collection Date: 11/06/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:35	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-034
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G303
Collection Date: 11/06/2024 13:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:36	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-035
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G305
Collection Date: 11/06/2024 13:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:36	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-036
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G306
Collection Date: 11/04/2024 10:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:36	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-037
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G307
Collection Date: 11/04/2024 11:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:36	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-038
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G307D
Collection Date: 11/04/2024 10:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:37	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll

Client Project: COF-24Q4

Lab ID: 24101590-039

Matrix: GROUNDWATER

Work Order: 24101590

Report Date: 17-Dec-24

Client Sample ID: G308

Collection Date: 11/04/2024 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	12/05/2024 13:37	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-040	Client Sample ID: G310
Matrix: GROUNDWATER	Collection Date: 11/06/2024 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	12/05/2024 13:38	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll

Client Project: COF-24Q4

Lab ID: 24101590-041

Matrix: GROUNDWATER

Work Order: 24101590

Report Date: 17-Dec-24

Client Sample ID: G312

Collection Date: 11/06/2024 12:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:38	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-042
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G313
Collection Date: 11/07/2024 11:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/05/2024 13:38	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-043
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G314
Collection Date: 11/06/2024 14:11

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:49	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-044
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G314D
Collection Date: 11/04/2024 13:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:49	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-045
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G315
Collection Date: 11/04/2024 13:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:49	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-046
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G316
Collection Date: 11/04/2024 12:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:49	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-047
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G401
Collection Date: 11/06/2024 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	12/04/2024 11:50	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-048
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G402
Collection Date: 11/04/2024 11:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:50	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-049
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G403
Collection Date: 11/04/2024 11:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:50	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-050
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G404
Collection Date: 11/04/2024 10:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:50	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-051
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G405
Collection Date: 11/04/2024 10:21

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:50	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-052
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G406
Collection Date: 11/04/2024 12:46

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:50	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-053
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G407
Collection Date: 11/04/2024 13:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:51	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-054
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G410
Collection Date: 11/06/2024 9:59

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:51	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-055
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G411
Collection Date: 11/06/2024 9:22

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:51	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-056
Matrix: GROUNDWATER
Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: R201
Collection Date: 10/30/2024 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:51	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-057
Matrix: AQUEOUS

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: Field Blank
Collection Date: 11/07/2024 12:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:51	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-058
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: G200 Duplicate
Collection Date: 10/29/2024 12:33

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:51	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-059	Client Sample ID: G217 Duplicate
Matrix: GROUNDWATER	Collection Date: 10/31/2024 10:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:52	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103
<http://www.teklabinc.com/>

Client: Ramboll	Work Order: 24101590
Client Project: COF-24Q4	Report Date: 17-Dec-24
Lab ID: 24101590-060	Client Sample ID: G301 Duplicate
Matrix: GROUNDWATER	Collection Date: 11/07/2024 13:18

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:56	R357675



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

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

Client: Ramboll
Client Project: COF-24Q4
Lab ID: 24101590-061
Matrix: GROUNDWATER

Work Order: 24101590
Report Date: 17-Dec-24
Client Sample ID: R201 Duplicate
Collection Date: 10/30/2024 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	12/04/2024 11:56	R357675



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101590
Report Date: 17-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24101590-001	G1001	Groundwater	1	11/07/2024 11:18
24101590-002	G1003	Groundwater	1	
24101590-003	G151	Groundwater	1	10/30/2024 9:16
24101590-004	G152	Groundwater	1	11/06/2024 11:30
24101590-005	G153	Groundwater	1	10/30/2024 10:45
24101590-006	G154	Groundwater	1	10/30/2024 10:21
24101590-007	G155	Groundwater	1	10/30/2024 9:51
24101590-008	G200	Groundwater	1	10/29/2024 12:33
24101590-009	G206	Groundwater	1	10/31/2024 14:12
24101590-010	G206D	Groundwater	1	10/31/2024 13:52
24101590-011	G209	Groundwater	1	10/31/2024 13:04
24101590-012	G212	Groundwater	1	10/31/2024 11:05
24101590-013	G213	Groundwater	1	10/31/2024 11:37
24101590-014	G215	Groundwater	1	10/31/2024 11:41
24101590-015	G217	Groundwater	1	10/31/2024 10:53
24101590-016	G218	Groundwater	1	10/31/2024 10:25
24101590-017	G219	Groundwater	1	10/31/2024 10:19
24101590-018	G220	Groundwater	1	10/30/2024 13:08
24101590-019	G270	Groundwater	1	10/29/2024 14:01
24101590-020	G271	Groundwater	1	10/31/2024 14:20
24101590-021	G273	Groundwater	1	10/31/2024 13:24
24101590-022	G275	Groundwater	1	10/30/2024 10:04
24101590-023	G275D	Groundwater	1	10/30/2024 9:42
24101590-024	G276	Groundwater	1	11/04/2024 11:26
24101590-025	G277	Groundwater	1	
24101590-026	G279	Groundwater	1	10/30/2024 11:21
24101590-027	G280	Groundwater	1	10/30/2024 12:14
24101590-028	G281	Groundwater	1	10/30/2024 14:25
24101590-029	G283	Groundwater	1	11/07/2024 12:11
24101590-030	G284	Groundwater	1	10/31/2024 12:35
24101590-031	G285	Groundwater	1	10/29/2024 11:34
24101590-032	G301	Groundwater	1	11/07/2024 13:18
24101590-033	G302	Groundwater	1	11/06/2024 11:58
24101590-034	G303	Groundwater	1	11/06/2024 13:48
24101590-035	G305	Groundwater	1	11/06/2024 13:20
24101590-036	G306	Groundwater	1	11/04/2024 10:19
24101590-037	G307	Groundwater	1	11/04/2024 11:19
24101590-038	G307D	Groundwater	1	11/04/2024 10:56
24101590-039	G308	Groundwater	1	11/04/2024 11:56



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q4

Work Order: 24101590
Report Date: 17-Dec-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24101590-040	G310	Groundwater	1	11/06/2024 11:21
24101590-041	G312	Groundwater	1	11/06/2024 12:52
24101590-042	G313	Groundwater	1	11/07/2024 11:40
24101590-043	G314	Groundwater	1	11/06/2024 14:11
24101590-044	G314D	Groundwater	1	11/04/2024 13:50
24101590-045	G315	Groundwater	1	11/04/2024 13:16
24101590-046	G316	Groundwater	1	11/04/2024 12:36
24101590-047	G401	Groundwater	1	11/06/2024 10:36
24101590-048	G402	Groundwater	1	11/04/2024 11:57
24101590-049	G403	Groundwater	1	11/04/2024 11:06
24101590-050	G404	Groundwater	1	11/04/2024 10:40
24101590-051	G405	Groundwater	1	11/04/2024 10:21
24101590-052	G406	Groundwater	1	11/04/2024 12:46
24101590-053	G407	Groundwater	1	11/04/2024 13:40
24101590-054	G410	Groundwater	1	11/06/2024 9:59
24101590-055	G411	Groundwater	1	11/06/2024 9:22
24101590-056	R201	Groundwater	1	10/30/2024 14:10
24101590-057	Field Blank	Aqueous	1	11/07/2024 12:55
24101590-058	G200 Duplicate	Groundwater	1	10/29/2024 12:33
24101590-059	G217 Duplicate	Groundwater	1	10/31/2024 10:53
24101590-060	G301 Duplicate	Groundwater	1	11/07/2024 13:18
24101590-061	R201 Duplicate	Groundwater	1	10/30/2024 14:10
24101590-062	Equipment Blank 1	Aqueous	1	
24101590-063	Equipment Blank 2	Aqueous	1	
24101590-064	Equipment Blank 3	Aqueous	1	



Receiving Check List

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

Client: Ramboll

Work Order: 24101590

Client Project: COF-24Q4

Report Date: 17-Dec-24

Carrier: Justin Colp

Received By: AMD

Completed by:

On:

29-Oct-24

Amber Dilallo

Reviewed by:

On:

12-Nov-24

Ellie Hopkins

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 14.9
Type of thermal preservation?	No ☐	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.

Samples were received on 10/29/24 at 1600 on ice. Cooler #1 14.9c. Cooler #2 12.1c. Additional Nitric Acid (99964) was needed upon arrival at the laboratory. pH strip #96651. - amberdilallo - 10/29/2024 4:39:36 PM

Samples were received on 10/30/24 at 1620 on ice (LTG #10). Cooler #1 = 8.1c. Cooler #2 = 9.1c. Cooler #3 = 14.1c. Cooler #4 = 16.7c. Additional Nitric Acid (99964) was needed in G153, G275, and G275D upon arrival at the laboratory. pH strip #96651. - NR/amberdilallo - 10/31/2024 8:29:27 AM

Samples were received on 10/31/24 at 1600 on ice [12.5C - LTG#9]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for G218. pH strip #96651. G220 received 10/30/24. Date and time for G213 per Brett Gillihan. - amberdilallo - 11/1/2024 10:06:52 AM

Samples were received on 11/4/24 at 1550 on ice [3.3C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for G314D and G316. pH strip #96651. Cooler #1 3.3c. Cooler #2 3.5c. Cooler #3 3.5c. Cooler #4 2.1c. - JD/amberdilallo - 11/5/2024 10:41:23 AM

Samples were received on 11/06/24 at 15.45 on ice Cooler #1 3.7C, Cooler #2 4.1C, Cooler #3 5.7 - LTG9. Ph strip #96651. Additional nitric acid (99964) was needed upon arrival at the laboratory for sample G503 and G314.- lhenson - 11/7/2024 10:31:50 AM

Samples were received on 11/7/24 at 1533 on ice [5.5C - LTG#5]. Additional Nitric Acid (99964) was needed upon arrival at the laboratory for G313. pH strip #96651. - amberdilallo - 11/8/2024 9:25:52 AM

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		Site Location	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)												Radium 226/228, only	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000			COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
1	AP2D		WT	G				0																									N/A	
2	G1001		WT	G				2																									24101590-001	
3	G1003		WT	G				2																									24101590-002	
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		10-29-24	0944	0																									N/A	
11	G109		WT	G			1005	0																										N/A
12	G110		WT	G			1033	0																										N/A
13	G111		WT	G			1056	0																										N/A
14	G119		WT	G			1247	0																										N/A
15	G120		WT	G			1308	0																										N/A
16	G121		WT	G			1330	0																										N/A

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	TECHNICAL SAMPLE CONDITIONS			
COF-24Q4 Rev 0		J. Colp		10-29	1600	J. Colp		10/29/24	1600	Temp in °C: 14.9 Received on Ice (Y/N): #5 Custody Sealed Cooler (Y/N): #5 Samples Intact (Y/N): #5			

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:				
J. Colp PH/ 96651 Added HNO ₃ (99%) Temp #1 14.9°C #2 12.1 to G285 2/2					

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@visstracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@visstracorp.com Rich Speraneo: Rich.Speraneo@visstracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		Site Location STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)														Radium 226/228, only	
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G122	WT	G	10-29-24	1413	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	10-29-24	1112	0																										N/A			
6	G151	WT	G			2			2																					X		24101590-003			
7	G152	WT	G			2			2																					X		24101590-004			
8	G153	WT	G			2			2																					X		24101590-005			
9	G154	WT	G			2			2																					X		24101590-006			
10	G155	WT	G			2			2																					X		24101590-007			
11	G200	WT	G	10-29-24	1233	2			2																					X		24101590-008			
12	G206	WT	G			2			2																					X		24101590-009			
13	G206D	WT	G			2			2																					X		24101590-010			
14	G207	WT	G			0																								X		N/A			
15	G208	WT	G			0																								X		N/A			
16	G209	WT	G			2			2																					X		24101590-011			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		J. Calp		10-29	1600	J. Calp		10/29/24	1600	Y N			
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Calp													
SIGNATURE of SAMPLER: [Signature]													
DATE Signed (MM/DD/YYYY): 10-29-24													

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Page: 3 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 Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-28-74				

24101590-103

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		Site Location: IL	
						STATE:	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DIPPING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLIDS SL OIL OL WPE WP AR AR OTHER OT TIS TIS	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)												Radium 226/228, only			
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275		WT	G				2		2																							24101590-022
2	G275D		WT	G				2		2																							24101590-023
3	G276		WT	G				2		2																							24101590-024
4	G277		WT	G				2		2																							24101590-025
5	G278		WT	G				0																									N/A
6	G279		WT	G				2		2																							24101590-026
7	G280		WT	G				2		2																							24101590-027
8	G281		WT	G				2		2																							24101590-028
9	G283		WT	G				2		2																							24101590-029
10	G284		WT	G				2		2																							24101590-030
11	G285		WT	G		10-29-24	1134	2		2																							24101590-031
12	G301		WT	G				2		2																							24101590-032
13	G302		WT	G				2		2																							24101590-033
14	G303		WT	G				2		2																							24101590-034
15	G305		WT	G				2		2																							24101590-035
16	G306		WT	G				2		2																							24101590-036
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																
COF-24Q4 Rev 0		J. Gelp			10-27		1600		Graham Dilallo				10/29/24		N/A		Y Z																

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		J. Gelp		10-29	1600	Justin Gelp		10/29/24	1600	Y Z			
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp													
SIGNATURE OF SAMPLER: [Signature]													
DATE Signed (MM/DD/YYYY): 10-29-24													

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@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: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

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	Requested Analysis Filtered (Y/N)																Radium 226/228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			MATRIX	CODE			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			DRAINING WATER WATER WASTE WATER PRODUCT SOLID/SOLID OL WPE AR OTHER TISSUE	DW WT WW P SL OL WP AR OT TS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		J. Corp		10/29	1600	Gordon Oilco		10/29/24	1600				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:													
SIGNATURE of SAMPLER:													
DATE Signed (MM/DD/YY):										10-29-24			

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

Section C

Page: 1 of 1

Company: Vistra Corp-Coffeeen		Report To: Brian Voelker		Invoice Information:			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Attention: Brian Voelker			
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY	
		Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911		Project Name: COF 2024 GW		Project Manager:		UST RCRA OTHER	
Fax:		Project Number: 1940106781-003		Profile #:		Site Location	
Requested Due Date/TAT: 10 day						STATE: IL	

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)												Radium 226/228, only			
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1		AP2D	WT	G				0																									N/A
2		G1001	WT	G				2																									24101590-001
3		G1003	WT	G				2																									24101590-002
4		G101	WT	G				0																									N/A
5		G102	WT	G				0																									N/A
6		G103	WT	G	10-30-24	1206		0																									N/A
7		G105	WT	G		1235		0																									N/A
8		G106	WT	G		1332		0																									N/A
9		G107	WT	G		1346		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-24Q4 Rev 0			24 SD			10-30	1620	Gordon Davis			10/30/24	16:20	8.1 #5 #10																				

Added HNO_3 (99964) + 0
2/2 6153 + 6275 ✓
1/2 6275 $\checkmark$
10/30

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Profile #:			
		Project Number: 1940106781-003					

Section D Required Client Information				Valid Matrix Codes MATRIX CODE		COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Radium 226/228, only													
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	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
								DRINKING WATER WATER WASTE WATER PRODUCT SOLID/SOLID OIL WPE AIR OTHER TISUE	DW WT WW P SL OL WP AR OT TS								COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
1	G122	WT	G			0																										N/A
2	G123	WT	G			0																										N/A
3	G124	WT	G	10-30-24	1133	0																										N/A
4	G125	WT	G			0																										N/A
5	G126	WT	G			0																										N/A
6	G151	WT	G	10-30-24	0916	2		2																						X		24101590-003
7	G152	WT	G			2		2																						X		24101590-004
8	G153	WT	G	10-30-24	1045	2		2																						X		24101590-005
9	G154	WT	G		1021	2		2																					X	X		24101590-006
10	G155	WT	G		0951	2		2																						X		24101590-007
11	G200	WT	G			2		2									X					X						X				24101590-008
12	G206	WT	G			2		2									X					X						X				24101590-009
13	G206D	WT	G			2		2									X					X										24101590-010
14	G207	WT	G			0																							X			N/A
15	G208	WT	G			0																							X			N/A
16	G209	WT	G			2		2									X					X						X				24101590-011
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS														
COF-24Q4 Rev 0				22 S		10-30		1620		Gpore Davis				10/30/24		16:28		> z														

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
COF-24Q4 Rev 0		21 S		10-30	1620	Cynthia Davis		10/30/24	16:20	Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)	
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <i>Justin Cole</i> SIGNATURE of SAMPLER: <i>[Signature]</i>										DATE Signed (MM/DD/YY): <i>10-30-24</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: 3 of 7	
Company: Vistra Corp-Coffeeen		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A		REGULATORY AGENCY	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		Site Location: IL	
						STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)																	Radium 226/228, only	
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.					
1	G210	WT	G				0																														N/A	
2	G211	WT	G				0																														N/A	
3	G212	WT	G				2	2																												24101590-012		
4	G213	WT	G				2	2																												24101590-013		
5	G214	WT	G				0																													N/A		
6	G215	WT	G				2	2																												24101590-014		
7	G216	WT	G				0																													N/A		
8	G217	WT	G				2	2																												24101590-015		
9	G218	WT	G				2	2																												24101590-016		
10	G219	WT	G				2	2																												24101590-017		
11	G220	WT	G	10-30-24	1308		2	2																												24101590-018		
12	G270	WT	G				2	2																												24101590-019		
13	G271	WT	G				2	2																												24101590-020		
14	G272	WT	G				0																													N/A		
15	G273	WT	G				2	2																												24101590-021		
16	G274	WT	G	10-30-24	918		0																													N/A		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																								
COF-24Q4 Rev 0		[Signature]		10-30		1620		[Signature]		10/30		16:20		> z																								

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS	
COF-24Q4 Rev 0		[Signature]		10-30	1620	[Signature]		10/30/24	16:20	> z	
SAMPLER NAME AND SIGNATURE										Temp in °C	
PRINT Name of SAMPLER: John G60										Received on Ice (Y/N)	
SIGNATURE of SAMPLER: [Signature]										Custody Sealed Cooler (Y/N)	
DATE Signed (MM/DD/YY): 10-30-24										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:

Company: **Vistra Corp-Coffee**
Address: **134 CIPS Lane**
Coffee, IL 62017
Email To: **Brian.Voelker@VistraCorp.com**
Phone: **(217) 753-8911** Fax:
Requested Due Date/TAT: **10 day**

Section B

Required Project Information:

Report To: **Brian Voelker**
Copy To: **Sam Davies: samantha.davies@vistracorp.com**
Jason Grieve: Jason.Grieve@vistracorp.com
Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:
Project Name: **COF 2024 GW**
Project Number: **1940106781-003**

Section C

Invoice Information:

Attention: **Brian Voelker**
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)												Radium 226/228, only													
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-105	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	G275	WT	G	10-30-24	1004		2																										24101590-022
2	G275D	WT	G	10-30-24	942		2																										24101590-023
3	G276	WT	G	10-30-24	Dry		2																										24101590-024
4	G277	WT	G				2																										24101590-025
5	G278	WT	G	10-30-24	1059		0																										N/A
6	G279	WT	G	10-30-24	1121		2																										24101590-026
7	G280	WT	G	10-30-24	1719		2											X	X			X	X	X	X	X	X	X	X				24101590-027
8	G281	WT	G	10-30-24	1425		2										X	X				X	X										24101590-028
9	G283	WT	G				2													X					X								24101590-029
10	G284	WT	G				2													X					X								24101590-030
11	G285	WT	G				2													X					X								24101590-031
12	G301	WT	G				2										X					X											24101590-032
13	G302	WT	G				2										X					X											24101590-033
14	G303	WT	G				2										X					X											24101590-034
15	G305	WT	G				2										X					X											24101590-035
16	G306	WT	G				2										X					X											24101590-036

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Justin Cobb**

SIGNATURE of SAMPLER: **Justin Cobb**

DATE Signed (MM/DD/YY): **10-30-24**

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Report To: Brian Voelker		Section C Invoice Information:		Page: 6 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			
						REGULATORY AGENCY	
						NPDES GROUND WATER DRINKING WATER	
						UST RCRA OTHER	
						Site Location	
						STATE: IL	

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Radium 226/228, only																
											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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		DATE	TIME																																	
1	G407		WT	G					2																										24101590-053	
2	G410		WT	G					2																										24101590-054	
3	G411		WT	G					2																										24101590-055	
4	L201		WT	G					0																										N/A	
5	NE Riser		WT	G					0																										N/A	
6	R104		WT	G	10-30-24	1302			0																										N/A	
7	R201		WT	G	10-30-24	1410			2																										24101590-056	
8	R205		WT	G					0																										N/A	
9	SG-02		WT	G					0																										N/A	
10	SG-03		WT	G					0																										N/A	
11	T127		WT	G					0																										N/A	
12	T128		WT	G					0																										N/A	
13	X201		WT	G					0																										N/A	
14	XSG-01		WT	G					0																										N/A	
15	Field Blank		WT	G					2																										24101590-057	
16	G200 Duplicate		WT	G					2																										24101590-058	
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q4 Rev 0			S-I SO			10-30		1620		Cafaris Davies			10/30/24		16:20		Y Z																			

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Gop		DATE Signed (MM/DD/YY): 10-30-24	
SIGNATURE of SAMPLER: [Signature]			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

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**
Jason Grieve: Jason.Grieve@vistracorp.com
Purchase Order No.:
Project Name: **COF 2024 GW**
Project Number: **1940106781-003**

Section C

Invoice Information:

Attention: **Brian Voelker**
Company Name: **Vistra Corp**
Address: **see Section A**
Quote
Project
Profile #:

Page: **7** of **7**

Section D Required Client Information		Valid Matrix Codes		COLLECTED		Preservatives		Requested Analysis Filtered (Y/N)		Radium 226/228, only																					
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	G217 Duplicate	WT	G			2		2									X														24101590-059
2	G301 Duplicate	WT	G			2		2							X					X											24101590-060
3	R201 Duplicate	WT	G	10/30/24	1410	2		2								X						X									24101590-061
4	Equipment Blank 1	WT	G			2		2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-062
5	Equipment Blank 2	WT	G			2		2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-063
6	Equipment Blank 3	WT	G			2		2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-064
7																															
8																															
9																															
10																															
11																															
12																															
13																															
14																															
15																															
16																															

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0	<i>Sam Davies</i>	10-30	1620	<i>Justin Cap</i>	10/30/24	16:20				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: *Justin Cap*

SIGNATURE of SAMPLER: *Justin Cap*

DATE Signed (MM/DD/YY): *10/30-24*

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffee		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffee, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			
						REGULATORY AGENCY	
						NPDES GROUND WATER DRINKING WATER	
						UST RCRA OTHER	
						Site Location	
						STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE 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)												Radium 226/228, only			
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D		WT	G				0											X														N/A
2	G1001		WT	G				2		2									X														24101590-001
3	G1003		WT	G				2		2									X														24101590-002
4	G101		WT	G	10-31-24	0936		0															X										N/A
5	G102		WT	G	10-31-24	0959		0																						X			N/A
6	G103		WT	G				0																						X			N/A
7	G105		WT	G				0																						X			N/A
8	G106		WT	G				0																						X			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-24Q4 Rev 0		Sil Sp		10-31	1600	Gina O'Leary		10/31/24	1600	12.5	>	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 Cobb													
SIGNATURE of SAMPLER: [Signature]													
										DATE Signed (MM/DD/YY): 10-31-24			

Added HNO3 (999wt)
to G218 1/2.
pH v lowest um 10/11/24

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

Page: 2 of 7

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-31-24				

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-Coffee		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp		REGULATORY AGENCY	
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		Profile #:		Site Location STATE: IL	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	Valid Matrix Codes CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Radium 226/228, only																
						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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G210	WT	G	10-31-24	1241	0																												N/A	
2	G211	WT	G	10-31-24	1206	0																												N/A	
3	G212	WT	G	10-31-24	1109	2				2												X												24101590-012	
4	G213	WT	G	10-31-24	1137	2				2												X												24101590-013	
5	G214	WT	G	10-31-24	1202	0																												N/A	
6	G215	WT	G	↓	1141	2				2												X												24101590-014	
7	G216	WT	G	↓	1116	0																												N/A	
8	G217	WT	G	↓	1053	2				2												X												24101590-015	
9	G218	WT	G	↓	1075	2				2												X												24101590-016	
10	G219	WT	G	10-31-24	1019	2				2																								24101590-017	
11	G220	WT	G	10-31-24	1308	2				2																								24101590-018	
12	G270	WT	G	10-31-24	1400	2				2																								24101590-019	
13	G271	WT	G	10-31-24	1354	2				2																								24101590-020	
14	G272	WT	G	10-31-24	1354	0																												N/A	
15	G273	WT	G	10-31-24	1324	2				2																								24101590-021	
16	G274	WT	G			0																												N/A	
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																	
COF-24Q4 Rev 0				BY [Signature]		10-31		1600		John O'Connell				10-31		1600		> z																	

G220 received 10/30/24.
DC tel time for G213
per Brett Gilligan. um 11/1/24

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: John O'Connell		DATE Signed (MM/DD/YY): 10-31-24	
SIGNATURE of SAMPLER: <i>[Signature]</i>			
Temp in °C	Received on for (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:

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**
Jason Grieve: Jason.Grieve@vistracorp.com
Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:
Project Name: **COF 2024 GW**
Project Number: **1940106781-003**

Section C

Invoice Information:

Attention: **Brian Voelker**
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		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)												Radium 226/228, only	
ITEM #	SAMPLE ID (A-Z 0-9 / -) Sample IDs MUST BE UNIQUE	DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OL WPE AIR OTHER TISSUE	CODE 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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106
1	G275		WT	G			2		2								X						X	X	X	X			24101590-022			
2	G275D		WT	G			2		2								X					X	X					24101590-023				
3	G276		WT	G			2		2								X					X	X	X	X			24101590-024				
4	G277		WT	G			2		2								X					X	X	X	X			24101590-025				
5	G278		WT	G			0																		X			N/A				
6	G279		WT	G			2		2								X					X	X	X	X			24101590-026				
7	G280		WT	G			2		2								X	X		X	X	X	X	X	X			24101590-027				
8	G281		WT	G			2		2								X	X		X	X			X				24101590-028				
9	G283		WT	G			2		2									X				X	X					24101590-029				
10	G284		WT	G	10-31-24	1235	2		2									X				X	X					24101590-030				
11	G285		WT	G			2		2									X				X	X					24101590-031				
12	G301		WT	G			2		2								X			X								24101590-032				
13	G302		WT	G			2		2								X			X								24101590-033				
14	G303		WT	G			2		2								X			X								24101590-034				
15	G305		WT	G			2		2								X			X								24101590-035				
16	G306		WT	G			2		2								X			X								24101590-036				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
COF-24Q4 Rev 0	gjt sg	10-31	1600	Union Circular	10/31/24	1600	>	z	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on box (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Brian Voelker				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 10-31-24				

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-Coffeeen**
Address: **134 CIPS Lane**
Coffeeen, 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**
Jason Grieve: Jason.Grieve@vistracorp.com
Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:
Project Name: **COF 2024 GW**
Project Number: **1940106781-003**

Section C

Invoice Information:

Attention: **Brian Voelker**
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		SAMPLE TEMP AT COLLECTION		# OF CONTAINERS		Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)														Radium 226/228, only
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Y/N	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	G307	WT	G					2										X						X									24101590-037		
2	G307D	WT	G					2										X						X									24101590-038		
3	G308	WT	G					2										X						X									24101590-039		
4	G310	WT	G					2										X						X									24101590-040		
5	G312	WT	G					2										X						X									24101590-041		
6	G313	WT	G					2										X						X									24101590-042		
7	G314	WT	G					2										X						X									24101590-043		
8	G314D	WT	G					2										X						X									24101590-044		
9	G315	WT	G					2										X						X									24101590-045		
10	G316	WT	G					2										X						X									24101590-046		
11	G401	WT	G					2											X						X					X			24101590-047		
12	G402	WT	G					2											X						X					X			24101590-048		
13	G403	WT	G					2											X						X					X			24101590-049		
14	G404	WT	G					2											X						X					X			24101590-050		
15	G405	WT	G					2											X						X					X			24101590-051		
16	G406	WT	G					2											X						X					X			24101590-052		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **NA**

SIGNATURE of SAMPLER: **NA**

DATE Signed
(MM/DD/YY):

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: 6 of 7

Company: Vistra Corp-Coffeeen		Report To: Brian Voelker	Attention: Brian Voelker			
Address: 134 CIPS Lana		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name: COF 2024 GW	Project Manager:	Site Location		
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:	STATE:	IL	

Section D Required Client Information		Valid Matrix Codes MATRIX CODE		COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)										Radium 226/228, only	
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE	CODE	DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106
1	G407	WT	G			2	2								X					X						X				24101590-053
2	G410	WT	G			2	2																		X				24101590-054	
3	G411	WT	G			2	2																		X				24101590-055	
4	L201	WT	G			0												X											N/A	
5	NE Riser	WT	G			0										X					X								N/A	
6	R104	WT	G			0												X								X			N/A	
7	R201	WT	G			2	2								X					X		X				X			24101590-056	
8	R205	WT	G			0																				X			N/A	
9	SG-02	WT	G			0								X	X				X	X									N/A	
10	SG-03	WT	G			0								X	X				X	X									N/A	
11	T127	WT	G			0												X											N/A	
12	T128	WT	G			0												X											N/A	
13	X201	WT	G			0											X				X		X						N/A	
14	XSG-01	WT	G			0								X					X										N/A	
15	Field Blank	WT	G			2	2							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24101590-057
16	G200 Duplicate	WT	G			2	2								X					X		X				X				24101590-058

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
COF-24Q4 Rev 0		ST SO	10-31	1600	Unbranded	10/31/14	1600	>	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: NA					
SIGNATURE of SAMPLER: NA	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 B

Section C

Required Project Information:

Invoice Information:

Page: 7 of 7

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 134 CIPS Lane Coffeen, IL 62017		Copy To: Sam Davies: samantha.davies@vistracorp.com Jason Grieve: Jason.Grieve@vistracorp.com	Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Address: see Section A	NPDES UST	GROUND WATER RCRA	DRINKING WATER OTHER
Phone: (217) 753-8911	Fax:	Project Name: COF 2024 GW	Quote Reference: Project Material	Site Location: STATE: IL		
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003	Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes		MATRIX CODE	MATRIX CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Radium 226/228, only	
		MATRIX	CODE							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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
		DRAWING WATER WATER WASTE WATER PRODUCT SOL/SOLID OIL WIPE AIR OTHER TISSUE	DW WT WW PW SL PL WP AR OT TS							Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G217 Duplicate	WT	G	10-31-24	1053			2																X			24101590-059									
2	G301 Duplicate	WT	G					2																X			24101590-060									
3	R201 Duplicate	WT	G					2																			24101590-061									
4	Equipment Blank 1	WT	G					2															X	X	X		24101590-062									
5	Equipment Blank 2	WT	G					2															X	X	X	X	24101590-063									
6	Equipment Blank 3	WT	G					2															X	X	X	X	24101590-064									
7																																				
8																																				
9																																				
10																																				
11																																				
12																																				
13																																				
14																																				
15																																				
16																																				
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																						
COF-24Q4 Rev 0		Zell & S		10-31		1600		Union Electric		10/31/24		1600		>		z																				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed (Y/N)	Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp						
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 10-31-24					

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: Brian Voelker		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		Jason Grieve; Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo; Rich.Speraneo@vistracorp.com					
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Quote Reference:			
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Project Manager:			
		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL-SOLID SL OIL OL WPE WP AIR AR OTHER OT 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)												Radium 226/228, only			
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	AP2D	WT	G				0																										N/A
2	G1001	WT	G				2		2										X													24101590-001	
3	G1003	WT	G				2		2										X													24101590-002	
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-24Q4 Rev 0		S.I. SD		11-4		1550		Jackie Davis		11-4-24		1550		3.3 #5				> 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: NA					
SIGNATURE of SAMPLER: NA					
DATE Signed (M/DD/YY):					

Cooler #1 3.3c LTC5
Cooler #2 3.5c
Cooler #3 3.5c
Cooler #4 2.1c
Jm 11/5/24

Added HNO₃ (99964) to Samples G314D 2/2, G316 2/2
PH 96651
JD 11/5/24

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Page: 2 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 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)														Radium 226/228, only		
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	G122		WT	G				0																								N/A		
2	G123		WT	G	11/4/24	1339		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	24101590-003			
7	G152		WT	G				2		2																				X	24101590-004			
8	G153		WT	G				2		2																				X	24101590-005			
9	G154		WT	G				2		2																			X	X	24101590-006			
10	G155		WT	G				2		2																			X	X	24101590-007			
11	G200		WT	G				2		2																				X	24101590-008			
12	G206		WT	G				2		2																				X	24101590-009			
13	G206D		WT	G				2		2																					X	24101590-010		
14	G207		WT	G	11/4/24	1235		0																						X	N/A			
15	G208		WT	G				0																						X	N/A			
16	G209		WT	G				2		2																				X	24101590-011			
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q4 Rev 0			[Signature]			11-4	1899	[Signature]			11-4-24	15:50	Y Z																					

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: <i>Brett Gilligan</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>11-4-24</i>				

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 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 SOLID/SOIL SL OIL OL WPE WP AIR AR OTHER OT TISSUE TB	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Analysis Test	Requested Analysis Filtered (Y/N)																Radium 226/228, only	
											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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G210	WT	G						0																X		N/A											
2	G211	WT	G						0															X		N/A												
3	G212	WT	G						2		2								X					X		24101590-012												
4	G213	WT	G						2		2								X					X		24101590-013												
5	G214	WT	G						0															X		N/A												
6	G215	WT	G						2		2								X					X		24101590-014												
7	G216	WT	G						0															X		N/A												
8	G217	WT	G						2		2								X					X		24101590-015												
9	G218	WT	G						2		2								X					X		24101590-016												
10	G219	WT	G						2		2										X					24101590-017												
11	G220	WT	G						2		2										X					24101590-018												
12	G270	WT	G						2		2						X		X		X	X	X	X		24101590-019												
13	G271	WT	G						2		2								X		X			X		24101590-020												
14	G272	WT	G						0															X		N/A												
15	G273	WT	G						2		2								X		X			X		24101590-021												
16	G274	WT	G						0															X		N/A												
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																						
COF-24Q4 Rev 0		[Signature]			11-4		1550		Jade Davis			11-4-24		15:50		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: NA					
SIGNATURE of SAMPLER: NA	DATE Signed (MM/DD/YY):				

24101590-103

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Manager:			
Requested Due Date/TAT: 10 day		Project Name: COF 2024 GW		Profile #:			
		Project Number: 1940106781-003					

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 SOLIDS SL OIL OL WPE WPE 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)												Radium 226/228, only			
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G275	WT	G				2		2												X					X		X				24101590-022	
2	G275D	WT	G				2		2												X				X		X					24101590-023	
3	G276	WT	G		11/2/24	7:26	2		2												X				X		X					24101590-024	
4	G277	WT	G				2		2												X				X		X					24101590-025	
5	G278	WT	G				0																					X				N/A	
6	G279	WT	G				2		2												X				X	X	X					24101590-026	
7	G280	WT	G				2		2											X	X			X	X	X						24101590-027	
8	G281	WT	G				2		2										X	X					X							24101590-028	
9	G283	WT	G				2		2												X			X		X						24101590-029	
10	G284	WT	G				2		2												X			X		X						24101590-030	
11	G285	WT	G				2		2												X			X		X						24101590-031	
12	G301	WT	G				2		2										X				X									24101590-032	
13	G302	WT	G				2		2										X				X									24101590-033	
14	G303	WT	G				2		2										X				X									24101590-034	
15	G305	WT	G				2		2										X				X									24101590-035	
16	G306	WT	G		11-4-24	10:19	2		2										X				X									24101590-036	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q4 Rev 0		S J SO		11-4		1550		Darius		11-4-24		15:50																					

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		[Signature]		11-4	15:50	[Signature]		11-4-24	15:50	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 Col													
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 11-4-24													

24101590 103

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: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		STATE: IL	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Radium 226/228, only				
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	G307		WT	G	11-4-24	1119		2																										24101590-037
2	G307D		WT	G	11-4-24	1056		2																										24101590-038
3	G308		WT	G	11-4-24	1156		2																										24101590-039
4	G310		WT	G				2																										24101590-040
5	G312		WT	G				2																										24101590-041
6	G313		WT	G				2																										24101590-042
7	G314		WT	G	11-4-24	1350		2																										24101590-043
8	G314D		WT	G				2																										24101590-044
9	G315		WT	G	11-4-24	1314		2																										24101590-045
10	G316		WT	G	11-4-24	1236		2																										24101590-046
11	G401		WT	G				2																										24101590-047
12	G402		WT	G	11-4-24	1157		2																										24101590-048
13	G403		WT	G		1106		2																										24101590-049
14	G404		WT	G		1040		2																										24101590-050
15	G405		WT	G		1021		2																										24101590-051
16	G406		WT	G		1246		2																										24101590-052
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																			
COF-24Q4 Rev 0					27			11-4	1550	Open in Dress			11-4-24	15:50											> 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 Cap					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 10-11-4-24					

Received G314D, not G314. 8m 11/5/24

24101590 15-103

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: Visira Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@visiracorp.com		Company Name: Visira Corp			
Coffeen, IL 62017		Jason Griewe: Jason.Griewe@visiracorp.com Rich Speraneo: Rich.Speraneo@visiracorp.com		Address: see Section A			
Email To: Brian.Voelker@VisiraCorp.com		Purchase Order No.:		Quote Reference:		Site Location	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		STATE: IL	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL CL WPE WP AR AR OTHER OT TISSUE TB	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)																Radium 226/228, only		
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
1	G407	WT	G	11-4-24	1340	2	2												X														24101590-053			
2	G410	WT	G			2	2																	X									24101590-054			
3	G411	WT	G			2	2																		X								24101590-055			
4	L201	WT	G			0																											N/A			
5	NE Riser	WT	G			0														X													N/A			
6	R104	WT	G			0																											N/A			
7	R201	WT	G			2	2													X													24101590-056			
8	R205	WT	G			0																											N/A			
9	SG-02	WT	G			0																											N/A			
10	SG-03	WT	G			0														X	X												N/A			
11	T127	WT	G			0																											N/A			
12	T128	WT	G			0															X												N/A			
13	X201	WT	G			0																X											N/A			
14	XSG-01	WT	G			0																											N/A			
15	Field Blank	WT	G			2	2													X	X	X	X	X	X	X	X	X	X	X	X		24101590-057			
16	G200 Duplicate	WT	G			2	2														X					X					X		24101590-058			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q4 Rev 0		21 SG			11-4		1550		Javier Davis				11-4-24		15:50		Y Z																			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		21 SO		11-4	1550	Patrick Davis		11-4-24	15:50				
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): 11-4-24													

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-Coffeeen		Report To: Brian Voelker		Attention: Brian Voelker		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE: IL	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOIL/SOLID SL CL WPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Radium 226/228, only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	G217 Duplicate		WT	G				2		2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</

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: NA							
SIGNATURE of SAMPLER: NA 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: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Address: see Section A		REGULATORY AGENCY	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:		Site Location STATE: IL	

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 AIR OTHER 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)														Radium 226/228, only			
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	AP2D		WT	G				0											X					X									N/A		
2	G1001		WT	G				2		2									X					X									24101590-001		
3	G1003		WT	G				2		2									X					X									24101590-002		
4	G101		WT	G				0														X											N/A		
5	G102		WT	G				0														X								X			N/A		
6	G103		WT	G				0														X								X			N/A		
7	G105		WT	G				0														X								X			N/A		
8	G106		WT	G				0														X								X			N/A		
9	G107		WT	G				0														X											N/A		
10	G108		WT	G				0														X											N/A		
11	G109		WT	G				0														X											N/A		
12	G110		WT	G				0														X											N/A		
13	G111		WT	G				0														X											N/A		
14	G119		WT	G				0														X											N/A		
15	G120		WT	G				0														X											N/A		
16	G121		WT	G				0														X											N/A		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																						
COF-24Q4 Rev 0			22 SO			11-6	1545	22 SO			11/6	1545	3.7																						

PHW 96651
Added HNO3(99964) to
G303 and G314
24 11/7/24

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: NA					
SIGNATURE of SAMPLER: NA					
DATE Signed (MM/DD/YY):					

Cooler #1 3.7
#2 4.1
#3 5.7

6169

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Page: 2 of 7

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q4 Rev 0	[Signature]	11-6	1545	[Signature]	11/6	1545	> z

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Tracy Carroll SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 11/6/24		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Quote Reference:			
Phone: (217) 753-8911 Fax:		Purchase Order No.:		Project Name: COF 2024 GW		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		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 AR OTHER ISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)																Radium 226/228, only	
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G210	WT	G				0																										N/A		
2	G211	WT	G				0																										N/A		
3	G212	WT	G				2		2																								24101590-012		
4	G213	WT	G				2		2																								24101590-013		
5	G214	WT	G				0																										N/A		
6	G215	WT	G				2		2																								24101590-014		
7	G216	WT	G				0																										N/A		
8	G217	WT	G				2		2																								24101590-015		
9	G218	WT	G				2		2																								24101590-016		
10	G219	WT	G				2		2																								24101590-017		
11	G220	WT	G				2		2																								24101590-018		
12	G270	WT	G				2		2																								24101590-019		
13	G271	WT	G				2		2																								24101590-020		
14	G272	WT	G				0																										N/A		
15	G273	WT	G				2		2																								24101590-021		
16	G274	WT	G				0																										N/A		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION				DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q4 Rev 0			[Signature]			11-6	1545	[Signature]				11/6	1545	> z																					

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0				11-6	1545			11/6	1545	Y Z 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: NA SIGNATURE of SAMPLER: NA										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: 4 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker		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		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Purchase Order No.:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Reference:			
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		Project Manager:			
				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	Analysis Test												Radium 226/228, only				
											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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102			COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)
DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	Project No./ Lab I.D.				
1	G275	WT	G						2																							24101590-022				
2	G275D	WT	G						2																							24101590-023				
3	G276	WT	G						2																							24101590-024				
4	G277	WT	G						2																							24101590-025				
5	G278	WT	G						0																							N/A				
6	G279	WT	G						2																							24101590-026				
7	G280	WT	G						2																							24101590-027				
8	G281	WT	G						2																							24101590-028				
9	G283	WT	G						2																							24101590-029				
10	G284	WT	G						2																							24101590-030				
11	G285	WT	G						2																							24101590-031				
12	G301	WT	G						2																							24101590-032				
13	G302	WT	G	11-6-24	1158				2																							24101590-033				
14	G303	WT	G	11-6-24	1348				2																							24101590-034				
15	G305	WT	G	11-6-24	1320				2																							24101590-035				
16	G306	WT	G						2																							24101590-036				
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																
COF-24Q4 Rev 0				S-I SO				11-6		1545		Lester				11/6		1545		Y Z																

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Justin Gal		DATE Signed (MM/DD/YY): 11-6-24	
SIGNATURE of SAMPLER: [Signature]			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

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 Gop					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 1-6-74				

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Page: 6 of 7

Company: Vistra Corp-Coffeeen		Report To: Brian Voelker	Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com	Company Name: Vistra Corp	REGULATORY AGENCY		
Coffeeen, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		UST	RCRA	OTHER
Phone: (217) 753-8911	Fax:	Project Name: COF 2024 GW	Quote Reference:	Site Location		
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Project Manager:	STATE:	IL	
		Profile #:				

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Valid Matrix Codes MATRIX CODE DRAINAGE WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL CL CL WPE WP AP 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)																Radium 226/228, only	
					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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	G407		WT	G				2									X												24101590-053						
2	G410		WT	G	11-6-24	0959		2																X				24101590-054							
3	G411		WT	G	11-6-24	0922		2																X				24101590-055							
4	L201		WT	G				0																				N/A							
5	NE Riser		WT	G				0									X											N/A							
6	R104		WT	G				0																				N/A							
7	R201		WT	G				2										X			X				X			24101590-056							
8	R205		WT	G	11/6/24	1253		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																				N/A							
14	XSG-01		WT	G				0									X											N/A							
15	Field Blank		WT	G				2									X	X	X	X	X	X	X	X	X	X		24101590-057							
16	G200 Duplicate		WT	G				2										X			X				X			24101590-058							
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION						DATE	TIME	SAMPLE CONDITIONS																	
COF-24Q4 Rev 0					[Signature]			11-6	1545	[Signature]						11/6	1545	> z																	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Colp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 11-6-24				

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

Pago: 7 of 7

Company: Vistra Corp-Coffeeen		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 134 CIPS Lane Coffeeen, IL 62017		Copy To: Sam Davies: samantha.davies@vistracorp.com Jason Grieve: Jason.Grieve@vistracorp.com	Company Name: Vistra Corp Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Quote Reference:	NPDES	GROUND WATER	DRINKING WATER
Phone: (217) 753-8911	Fax:	Project Name: COF 2024 GW	Project Address:	UST	RCRA	OTHER
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003	Profile #:	Site Location	IL	
				STATE:		

ITEM #	Section D Required Client Information		Valid Matrix Codes MATRIX CODE		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Requested Analysis Filtered (Y/N)												Radium 226/228, only			
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE		DRINKING WATER WATER WASTE WATER PRODUCT SOL/SOLID OK WPE AR OTHER TSSUE	CODE DW WT WWF P SL OL WP AR OT TS					COLLECTED	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
MATRIX CODE (see valid codes)	SAMPLE TYPE (G=GRAB C=COMP)																																
1	G217 Duplicate	WT	G				2		2					X											X			24101590-059					
2	G301 Duplicate	WT	G				2		2				X				X										24101590-060						
3	R201 Duplicate	WT	G				2		2					X					X				X		X		24101590-061						
4	Equipment Blank 1	WT	G				2		2				X	X	X	X	X	X	X	X	X	X	X	X	X	X	24101590-062						
5	Equipment Blank 2	WT	G				2		2				X	X	X	X	X	X	X	X	X	X	X	X	X	X	24101590-063						
6	Equipment Blank 3	WT	G				2		2				X	X	X	X	X	X	X	X	X	X	X	X	X	X	24101590-064						
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q4 Rev 0		[Signature]			11-6	1545	[Signature]			11/6	1545	> 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: NA					
SIGNATURE of SAMPLER: NA	DATE Signed (MM/DD/YYYY):				

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

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>Brad Gillman</i>					
SIGNATURE of SAMPLER: <i>Brad Gillman</i>	DATE Signed (MM/DD/YY): <i>11-7-24</i>				

added HNO₃ (999164) 1/2
to G313. Gm 11/8/24

CHAIN-OF-CUSTODY / Analytical Request Document

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEE POWER PLANT, GMF GYPSUM PLANT AND
24101590
COF-845-103Section A
Required Client Information:

Company:	Vistra Corp-Coffeeen
Address:	134 CIPS Lane
	Coffeeen, 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
	Jason Grieve: Jason.Grieve@vistracorp.com
	Rich Speraneo: Rich.Speraneo@vistracorp.com
Purchase Order No.:	
Project Name:	COF 2024 GW
Project Number:	1940106781-003

Section C
Invoice Information:

Attention:	Brian Voelker
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)												Radium 226/228, only													
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE	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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.	
1	G275	WT	G				2		2											X					X		X						24101590-022
2	G275D	WT	G				2		2										X					X		X							24101590-023
3	G276	WT	G				2		2										X					X		X		X					24101590-024
4	G277	WT	G		12:24		2		2										X					X		X		X					24101590-025
5	G278	WT	G				0																						X				N/A
6	G279	WT	G				2		2										X				X		X	X	X						24101590-026
7	G280	WT	G				2		2									X	X			X		X	X	X	X						24101590-027
8	G281	WT	G				2		2									X	X			X	X					X					24101590-028
9	G283	WT	G	11/7/24	12:11		2		2											X				X		X							24101590-029
10	G284	WT	G				2		2										X					X		X							24101590-030
11	G285	WT	G				2		2										X					X		X							24101590-031
12	G301	WT	G	11/7/24	13:18		2		2									X				X											24101590-032
13	G302	WT	G				2		2									X				X											24101590-033
14	G303	WT	G				2		2									X				X											24101590-034
15	G305	WT	G				2		2									X				X											24101590-035
16	G306	WT	G				2		2									X				X											24101590-036
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																					
COF-24Q4 Rev 0				Jung Carroll		11/7/24	15:55	Jockie Davis		11/7/24	15:33																						

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed
(MM/DD/YY):

Temp in °C

Received on
Ice (Y/N)Custody
Sealed Cooler
(Y/N)Samples
Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 5 of 7	
Company: Vistra Corp-Coffee		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffee, IL 62017		Jason Grieve: Jason.Grieve@vistracorp.com		Address: see Section A		REGULATORY AGENCY	
Email To: Brian.Voelker@VistraCorp.com		Rich Speraneo: Rich.Speraneo@vistracorp.com		Purchase Order No.:		NPDES GROUND WATER DRINKING WATER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Quote Reference:		UST RCRA OTHER	
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		Project Manager:		Site Location	
				Profile #:		STATE: IL	

Section D Required Client Information		Valid Matrix Codes		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)												Radium 226/228, only												
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-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.
1	G307	WT	G				2		2							X						X										24101590-037
2	G307D	WT	G				2		2							X						X										24101590-038
3	G308	WT	G				2		2							X						X										24101590-039
4	G310	WT	G				2		2							X						X										24101590-040
5	G312	WT	G				2		2							X						X										24101590-041
6	G313	WT	G	11-7-24	1140		2		2							X						X										24101590-042
7	G314	WT	G				2		2							X						X										24101590-043
8	G314D	WT	G				2		2							X						X										24101590-044
9	G315	WT	G				2		2							X						X										24101590-045
10	G316	WT	G				2		2							X						X										24101590-048
11	G401	WT	G				2		2								X						X									24101590-047
12	G402	WT	G				2		2								X						X									24101590-048
13	G403	WT	G				2		2								X						X									24101590-049
14	G404	WT	G				2		2								X						X									24101590-050
15	G405	WT	G				2		2								X						X									24101590-051
16	G406	WT	G				2		2								X						X									24101590-052

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q4 Rev 0		Justin Grieve		11/7/24	1533	Jason Davies		11/14/24	15:33				
SAMPLER NAME AND SIGNATURE										Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gp													
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 11-7-24													

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

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

Page: 6 of 6

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 Gil					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 11-7-27				

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

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

Page: 7 of 7

invoice information:

Company: Vistra Corp-Coffeen		Report To: Brian Voelker	Attention: Brian Voelker	REGULATORY AGENCY		
Address: 134 CIPS Lane Coffeen, IL 62017		Copy To: Sam Davies: samantha.davies@vistracorp.com Jason Grieve: Jason.Grieve@vistracorp.com	Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:	Address: see Section A	NPDES	GROUND WATER	DRINKING WATER
Phone: (217) 753-8911	Fax:	Project Name: COF 2024 GW	Quote Reference: Project History Profile #:	UST	RCRA	OTHER
Requested Due Date/TAT: 10 day		Project Number: 1940108781-003		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: Tracy Correll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 11/17/24				

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 12/11/2024 4:25:26 PM

JOB DESCRIPTION

Radium-226 and Radium-228
24101590

JOB NUMBER

160-56264-1

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
12/11/2024 4:25:26 PM

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

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
GREEN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-56264-1

Job ID: 160-56264-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24101590

Report Number: 160-56264-1

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.

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.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

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

Receipt

The samples were received on 11/14/2024 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 19.8°C, 19.8°C, 20.0°C, 20.0°C, 20.0°C and 20.2°C.

Receipt Exceptions

Due to the high volume of samples received, the job was split into three parts with staggered due dates.

Method 903.0 - Radium-226 (GFPC)

Samples 24101590-001 (160-56264-1), 24101590-003 (160-56264-2), 24101590-004 (160-56264-3), 24101590-005 (160-56264-4), 24101590-006 (160-56264-5), 24101590-007 (160-56264-6), 24101590-008 (160-56264-7), 24101590-009 (160-56264-8), 24101590-010 (160-56264-9), 24101590-011 (160-56264-10), 24101590-012 (160-56264-11), 24101590-013 (160-56264-12), 24101590-014 (160-56264-13), 24101590-015 (160-56264-14), 24101590-016 (160-56264-15), 24101590-017 (160-56264-16), 24101590-018 (160-56264-17), 24101590-019 (160-56264-18), 24101590-020 (160-56264-19) and 24101590-021 (160-56264-20) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/10/2024.

Method 904.0 - Radium-228 (GFPC)

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
DOWHEN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-56264-1

Job ID: 160-56264-1 (Continued)

Eurofins St. Louis

Samples 24101590-001 (160-56264-1), 24101590-003 (160-56264-2), 24101590-004 (160-56264-3), 24101590-005 (160-56264-4), 24101590-006 (160-56264-5), 24101590-007 (160-56264-6), 24101590-008 (160-56264-7), 24101590-009 (160-56264-8), 24101590-010 (160-56264-9), 24101590-011 (160-56264-10), 24101590-012 (160-56264-11), 24101590-013 (160-56264-12), 24101590-014 (160-56264-13), 24101590-015 (160-56264-14), 24101590-016 (160-56264-15), 24101590-017 (160-56264-16), 24101590-018 (160-56264-17), 24101590-019 (160-56264-18), 24101590-020 (160-56264-19) and 24101590-021 (160-56264-20) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/2/2024.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24101590-004 (160-56264-3), 24101590-005 (160-56264-4), 24101590-006 (160-56264-5), 24101590-007 (160-56264-6), 24101590-011 (160-56264-10) and 24101590-016 (160-56264-15). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24101590-001 (160-56264-1), 24101590-006 (160-56264-5), 24101590-008 (160-56264-7), 24101590-009 (160-56264-8), 24101590-010 (160-56264-9), 24101590-011 (160-56264-10), 24101590-012 (160-56264-11), 24101590-013 (160-56264-12), 24101590-014 (160-56264-13), 24101590-015 (160-56264-14), 24101590-016 (160-56264-15), 24101590-017 (160-56264-16), 24101590-018 (160-56264-17), 24101590-019 (160-56264-18), 24101590-020 (160-56264-19) and 24101590-021 (160-56264-20) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/6/2024 and 12/11/2024.

Eurofins St. Louis

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: Teklab Sampling Team

Project#	24101590

Contact:	Elizabeth Hurley	Email:	EHurley@TekLabInc.com
Requested Due Date:	Standard TAT	Billing/PO:	37245

Phone: (618) 344-1004 ext. 33

Comments: Please Issue reports and invoices via email only

Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.

Method changes require Teklab authorization. Samples collected from an IL site.

Batch QC is required for all analyses requested. Vistra-EDD requested.

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
	24101590-001	11/7/24 1118	HNO3	Groundwater
			HNO3	Groundwater
	24101590-003	10/30/24 0916	HNO3	Groundwater
	24101590-004	11/6/24 1130	HNO3	Groundwater
	24101590-005	10/30/24 1045	HNO3	Groundwater
	24101590-006	10/30/24 1021	HNO3	Groundwater
	24101590-007	10/30/24 0951	HNO3	Groundwater
	24101590-008	10/29/24 1233	HNO3	Groundwater
	24101590-009	10/31/24 1412	HNO3	Groundwater
	24101590-010	10/31/24 1352	HNO3	Groundwater
	24101590-011	10/31/24 1304	HNO3	Groundwater

[illegible]

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/14/27 1000	<i>[Signature]</i>	11/14/27 1000
<i>[Signature]</i>	11/14/27 1230	Chevenne Forrest	11/14/24 1230

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Cooler Temp: Sampler: Teklab Sampling Team

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
	Method changes require Teklab authorization. Samples collected from an IL site.
	Batch QC is required for all analyses requested. Vistra-EDD requested.

Phone: (618) 344-1004 ext. 33

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>	11/14/24 1000	<i>[Signature]</i>	11/18/24 1600
<i>[Signature]</i>	11/15/24	<i>[Signature]</i>	11/19/24 1230
		Cheyenne Forest	

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

Pg 4 of 6

Are the samples chilled?		YES ☐	NO ☒	With: ☐ Ice ☐ Blue Ice ☐ Lab ☐ Field
TekLab Inc 5445 Horseshoe Lake Road Collinsville, IL 62234				
Project#	24101590	Cooler Temp:		Sampler: QC Level: 2
Comments: Please Issue reports and invoices via email only Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects. Method changes require Teklab authorization. Samples collected from an IL site. Batch QC is required for all analyses requested. Vistra-EDD requested.				
Contact:	Elizabeth Hurley	Email:	EHurley@TekLabInc.com	
Requested Due Date:	Standard TAT	Billing/PO:	37245	
			Phone: (618) 344-1004 ext. 33	

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
	24101590-034	11/6/24 1348	HNO3	Groundwater
	24101590-035	11/6/24 1320	HNO3	Groundwater
	24101590-036	11/4/24 1019	HNO3	Groundwater
	24101590-037	11/4/24 1119	HNO3	Groundwater
	24101590-038	11/4/24 1056	HNO3	Groundwater
	24101590-039	11/4/24 1156	HNO3	Groundwater
	24101590-040	11/6/24 1121	HNO3	Groundwater
	24101590-041	11/6/24 1252	HNO3	Groundwater
	24101590-042	11/7/24 1140	HNO3	Groundwater
	24101590-043	11/6/24 1411	HNO3	Groundwater
	24101590-044	11/4/24 1350	HNO3	Groundwater

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.

Relinquished By	Date/Time	Received By	Date/Time
<i>Maya D. Jones</i>	11/14/27 1000	<i>Maya D. Jones</i>	11/14/27 1000
	11/18/27 1230		11/18/27 1230
		Gheyenne Forrest	

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

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.

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/4/24 1:00	<i>[Signature]</i>	11/4/24 1:05
<i>[Signature]</i>	11/4/24	<i>[Signature]</i>	11/19/24 1230
		Cheyenne Forrest	

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#		24101590		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 methods specified for Vistra/Ramboll projects Method changes require Teklab authorization. Samples collected from an IL site. Batch QC is required for all analyses requested. Vistra-EDD requested.											
Contact:		Elizabeth Hurley		Email:		EHurley@TekLabInc.com					
Requested Due Date:		Standard TAT		Billing/PO:		37245					
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
	24101590-056	10/30/24 1410	HNO3	Groundwater
	24101590-057	11/7/24 1255	HNO3	Aqueous
	24101590-058	10/29/24 1233	HNO3	Groundwater
	24101590-059	10/31/24 1053	HNO3	Groundwater
	24101590-060	11/7/24 1318	HNO3	Groundwater
	24101590-061	10/30/24 1410	HNO3	Groundwater
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Groundwater
			HNO3	Groundwater

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.

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/6/79	<i>[Signature]</i>	11/14/79
	11/28/79	<i>[Signature]</i>	11/14/79
		Cheyenne Forrest	12/8 1230

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56264-1

SDG Number: 24101590

Login Number: 56264

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
COP-845-160
SDG: 24101590

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.
☼	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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

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

Method	Method Description	Protocol	Laboratory
903.0	Radium-226 (GFPC)	EPA	EET SL
904.0	Radium-228 (GFPC)	EPA	EET SL
Ra226_Ra228 Pos	Combined Radium-226 and Radium-228	TAL-STL	EET SL
PrecSep_0	Preparation, Precipitate Separation	None	EET SL
PrecSep-21	Preparation, Precipitate Separation (21-Day In-Growth)	None	EET SL

Protocol References:

EPA = US Environmental Protection Agency
None = None
TAL-STL = TestAmerica Laboratories, St. Louis, Facility Standard Operating Procedure.

Laboratory References:

EET SL = Eurofins St. Louis, 13715 Rider Trail North, Earth City, MO 63045, TEL (314)298-8566

Sample Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-56264-1
SDG: 24101590

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56264-1	24101590-001	Water	11/07/24 11:18	11/14/24 12:30
160-56264-2	24101590-003	Water	10/30/24 09:16	11/14/24 12:30
160-56264-3	24101590-004	Water	11/06/24 11:30	11/14/24 12:30
160-56264-4	24101590-005	Water	10/30/24 10:45	11/14/24 12:30
160-56264-5	24101590-006	Water	10/30/24 10:21	11/14/24 12:30
160-56264-6	24101590-007	Water	10/30/24 09:51	11/14/24 12:30
160-56264-7	24101590-008	Water	10/29/24 12:33	11/14/24 12:30
160-56264-8	24101590-009	Water	10/31/24 14:12	11/14/24 12:30
160-56264-9	24101590-010	Water	10/31/24 13:52	11/14/24 12:30
160-56264-10	24101590-011	Water	10/31/24 13:04	11/14/24 12:30
160-56264-11	24101590-012	Water	10/31/24 11:05	11/14/24 12:30
160-56264-12	24101590-013	Water	10/31/24 11:37	11/14/24 12:30
160-56264-13	24101590-014	Water	10/31/24 11:41	11/14/24 12:30
160-56264-14	24101590-015	Water	10/31/24 10:53	11/14/24 12:30
160-56264-15	24101590-016	Water	10/31/24 10:25	11/14/24 12:30
160-56264-16	24101590-017	Water	10/31/24 10:19	11/14/24 12:30
160-56264-17	24101590-018	Water	10/30/24 13:08	11/14/24 12:30
160-56264-18	24101590-019	Water	10/29/24 14:01	11/14/24 12:30
160-56264-19	24101590-020	Water	10/31/24 14:20	11/14/24 12:30
160-56264-20	24101590-021	Water	10/31/24 13:24	11/14/24 12:30

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-001

Lab Sample ID: 160-56264-1

Date Collected: 11/07/24 11:18

Matrix: Water

Date Received: 11/14/24 12:30

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	0.319		0.136	0.139	1.00	0.159	pCi/L	11/18/24 09:29	12/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.4		30 - 110					11/18/24 09:29	12/10/24 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	1.19		0.588	0.598	1.00	0.822	pCi/L	11/18/24 11:27	12/02/24 12:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	71.4		30 - 110					11/18/24 11:27	12/02/24 12:21	1
Y Carrier	74.0		30 - 110					11/18/24 11:27	12/02/24 12:21	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	1.50		0.604	0.614	5.00	0.822	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-003

Lab Sample ID: 160-56264-2

Date Collected: 10/30/24 09:16

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0980	U	0.0936	0.0940	1.00	0.146	pCi/L	11/18/24 09:29	12/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.0		30 - 110					11/18/24 09:29	12/10/24 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	0.0900	U	0.344	0.344	1.00	0.621	pCi/L	11/18/24 11:27	12/02/24 12:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.0		30 - 110					11/18/24 11:27	12/02/24 12:21	1
Y Carrier	80.4		30 - 110					11/18/24 11:27	12/02/24 12:21	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-004

Lab Sample ID: 160-56264-3

Date Collected: 11/06/24 11:30

Matrix: Water

Date Received: 11/14/24 12:30

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	0.234		0.131	0.133	1.00	0.163	pCi/L	11/18/24 09:29	12/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		30 - 110					11/18/24 09:29	12/10/24 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	0.451	U G	0.626	0.627	1.00	1.05	pCi/L	11/18/24 11:27	12/02/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.9		30 - 110					11/18/24 11:27	12/02/24 12:22	1
Y Carrier	71.4		30 - 110					11/18/24 11:27	12/02/24 12:22	1

Client Sample ID: 24101590-005

Lab Sample ID: 160-56264-4

Date Collected: 10/30/24 10:45

Matrix: Water

Date Received: 11/14/24 12:30

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	0.138	U	0.102	0.102	1.00	0.141	pCi/L	11/18/24 09:29	12/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/18/24 09:29	12/10/24 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	-0.181	U G	0.563	0.563	1.00	1.09	pCi/L	11/18/24 11:27	12/02/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/18/24 11:27	12/02/24 12:22	1
Y Carrier	63.2		30 - 110					11/18/24 11:27	12/02/24 12:22	1

Client Sample ID: 24101590-006

Lab Sample ID: 160-56264-5

Date Collected: 10/30/24 10:21

Matrix: Water

Date Received: 11/14/24 12:30

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	0.442		0.249	0.252	1.00	0.334	pCi/L	11/18/24 09:29	12/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					11/18/24 09:29	12/10/24 10:24	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-006

Lab Sample ID: 160-56264-5

Date Collected: 10/30/24 10:21

Matrix: Water

Date Received: 11/14/24 12:30

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	0.854	U G	0.769	0.773	1.00	1.21	pCi/L	11/18/24 11:27	12/02/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					11/18/24 11:27	12/02/24 12:22	1
Y Carrier	75.1		30 - 110					11/18/24 11:27	12/02/24 12:22	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.30		0.808	0.813	5.00	1.21	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-007

Lab Sample ID: 160-56264-6

Date Collected: 10/30/24 09:51

Matrix: Water

Date Received: 11/14/24 12:30

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	0.227	U	0.190	0.191	1.00	0.283	pCi/L	11/18/24 09:29	12/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	66.6		30 - 110					11/18/24 09:29	12/10/24 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	0.660	U G	1.07	1.07	1.00	1.83	pCi/L	11/18/24 11:27	12/02/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	66.6		30 - 110					11/18/24 11:27	12/02/24 12:22	1
Y Carrier	65.4		30 - 110					11/18/24 11:27	12/02/24 12:22	1

Client Sample ID: 24101590-008

Lab Sample ID: 160-56264-7

Date Collected: 10/29/24 12:33

Matrix: Water

Date Received: 11/14/24 12:30

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	0.161		0.102	0.104	1.00	0.140	pCi/L	11/18/24 09:29	12/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					11/18/24 09:29	12/10/24 10:24	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-008

Lab Sample ID: 160-56264-7

Date Collected: 10/29/24 12:33

Matrix: Water

Date Received: 11/14/24 12:30

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	0.433	U	0.477	0.479	1.00	0.781	pCi/L	11/18/24 11:27	12/02/24 12:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					11/18/24 11:27	12/02/24 12:22	1
Y Carrier	74.8		30 - 110					11/18/24 11:27	12/02/24 12:22	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.594	U	0.488	0.490	5.00	0.781	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-009

Lab Sample ID: 160-56264-8

Date Collected: 10/31/24 14:12

Matrix: Water

Date Received: 11/14/24 12:30

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	0.121		0.0853	0.0860	1.00	0.119	pCi/L	11/18/24 09:29	12/10/24 10:24	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					11/18/24 09:29	12/10/24 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	-0.106	U	0.333	0.333	1.00	0.659	pCi/L	11/18/24 11:27	12/02/24 12:23	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					11/18/24 11:27	12/02/24 12:23	1
Y Carrier	72.1		30 - 110					11/18/24 11:27	12/02/24 12:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.121	U	0.344	0.344	5.00	0.659	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-010

Lab Sample ID: 160-56264-9

Date Collected: 10/31/24 13:52

Matrix: Water

Date Received: 11/14/24 12:30

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	0.132	U	0.111	0.112	1.00	0.168	pCi/L	11/18/24 09:29	12/10/24 10:24	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-010

Lab Sample ID: 160-56264-9

Date Collected: 10/31/24 13:52

Matrix: Water

Date Received: 11/14/24 12:30

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110	11/18/24 09:29	12/10/24 10:24	1

Method: EPA 904.0 - Radium-228 (GFPC)

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.0189	U	0.424	0.424	1.00	0.796	pCi/L	11/18/24 11:27	12/02/24 12:23	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	91.9		30 - 110							
Y Carrier	76.3		30 - 110							
								11/18/24 11:27	12/02/24 12:23	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.132	U	0.438	0.439	5.00	0.796	pCi/L		12/06/24 18:04	1

Client Sample ID: 24101590-011

Lab Sample ID: 160-56264-10

Date Collected: 10/31/24 13:04

Matrix: Water

Date Received: 11/14/24 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.249		0.154	0.156	1.00	0.220	pCi/L	11/18/24 09:29	12/10/24 10:25	1
Carrier	%Yield	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
Ba Carrier	83.8		30 - 110				11/18/24 09:29	12/10/24 10:25	1	

Method: EPA 904.0 - Radium-228 (GFPC)

			Count Uncert.	Total Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.689	U G	0.771	0.773	1.00	1.26	pCi/L	11/18/24 11:27	12/02/24 12:23	1
Carrier	%Yield	Qualifier					Prepared	Analyzed	Dil Fac	
Ba Carrier	83.8		30 - 110				11/18/24 11:27	12/02/24 12:23	1	
Y Carrier	61.3		30 - 110				11/18/24 11:27	12/02/24 12:23	1	

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.938	U	0.786	0.789	5.00	1.26	pCi/L		12/11/24 15:48	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-012

Lab Sample ID: 160-56264-11

Date Collected: 10/31/24 11:05

Matrix: Water

Date Received: 11/14/24 12:30

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	0.147		0.102	0.103	1.00	0.146	pCi/L	11/18/24 09:29	12/10/24 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.5		30 - 110					11/18/24 09:29	12/10/24 10:21	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	-0.183	U	0.452	0.452	1.00	0.884	pCi/L	11/18/24 11:27	12/02/24 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.5		30 - 110					11/18/24 11:27	12/02/24 12:19	1
Y Carrier	62.1		30 - 110					11/18/24 11:27	12/02/24 12:19	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	0.147	U	0.463	0.464	5.00	0.884	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-013

Lab Sample ID: 160-56264-12

Date Collected: 10/31/24 11:37

Matrix: Water

Date Received: 11/14/24 12:30

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	0.240		0.117	0.119	1.00	0.148	pCi/L	11/18/24 09:29	12/10/24 10:21	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					11/18/24 09:29	12/10/24 10:21	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0381	U	0.374	0.374	1.00	0.687	pCi/L	11/18/24 11:27	12/02/24 12:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.7		30 - 110					11/18/24 11:27	12/02/24 12:19	1
Y Carrier	75.1		30 - 110					11/18/24 11:27	12/02/24 12:19	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	0.278	U	0.392	0.392	5.00	0.687	pCi/L		12/11/24 15:48	1

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Client Sample Results

ATTACHMENT B.
 245 QUARTERLY REPORT - QUARTER 4, 2024
 COFFEEN POWER PLANT, GMF GYPSUM STACK POND
 Job ID: 160-56264-1
 SDG: 24101590

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

Client Sample ID: 24101590-014

Lab Sample ID: 160-56264-13

Date Collected: 10/31/24 11:41

Matrix: Water

Date Received: 11/14/24 12:30

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	0.122	U	0.0898	0.0905	1.00	0.131	pCi/L	11/18/24 09:29	12/10/24 10:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110					11/18/24 09:29	12/10/24 10:22	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.113	U	0.387	0.387	1.00	0.745	pCi/L	11/18/24 11:27	12/02/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.1		30 - 110					11/18/24 11:27	12/02/24 12:20	1
Y Carrier	67.7		30 - 110					11/18/24 11:27	12/02/24 12:20	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	0.122	U	0.397	0.397	5.00	0.745	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-015

Lab Sample ID: 160-56264-14

Date Collected: 10/31/24 10:53

Matrix: Water

Date Received: 11/14/24 12:30

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		0.106	0.108	1.00	0.126	pCi/L	11/18/24 09:29	12/10/24 10:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					11/18/24 09:29	12/10/24 10:22	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	0.336	U	0.406	0.407	1.00	0.671	pCi/L	11/18/24 11:27	12/02/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.1		30 - 110					11/18/24 11:27	12/02/24 12:20	1
Y Carrier	71.0		30 - 110					11/18/24 11:27	12/02/24 12:20	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	0.565	U	0.420	0.421	5.00	0.671	pCi/L		12/11/24 15:48	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-016

Lab Sample ID: 160-56264-15

Date Collected: 10/31/24 10:25

Matrix: Water

Date Received: 11/14/24 12:30

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	0.447		0.210	0.214	1.00	0.255	pCi/L	11/18/24 09:29	12/10/24 10:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					11/18/24 09:29	12/10/24 10:22	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	0.897	U G	0.793	0.797	1.00	1.24	pCi/L	11/18/24 11:27	12/02/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.3		30 - 110					11/18/24 11:27	12/02/24 12:20	1
Y Carrier	67.7		30 - 110					11/18/24 11:27	12/02/24 12:20	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	1.34		0.820	0.825	5.00	1.24	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-017

Lab Sample ID: 160-56264-16

Date Collected: 10/31/24 10:19

Matrix: Water

Date Received: 11/14/24 12:30

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	0.146		0.0944	0.0953	1.00	0.130	pCi/L	11/18/24 09:29	12/10/24 10:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		30 - 110					11/18/24 09:29	12/10/24 10:22	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	0.483	0.484	1.00	0.815	pCi/L	11/18/24 11:27	12/02/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		30 - 110					11/18/24 11:27	12/02/24 12:20	1
Y Carrier	61.7		30 - 110					11/18/24 11:27	12/02/24 12:20	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	0.478	U	0.492	0.493	5.00	0.815	pCi/L		12/11/24 15:48	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-018

Lab Sample ID: 160-56264-17

Date Collected: 10/30/24 13:08

Matrix: Water

Date Received: 11/14/24 12:30

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	0.267		0.105	0.108	1.00	0.108	pCi/L	11/18/24 09:29	12/10/24 10:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					11/18/24 09:29	12/10/24 10:22	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	0.305	U	0.439	0.440	1.00	0.740	pCi/L	11/18/24 11:27	12/02/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.6		30 - 110					11/18/24 11:27	12/02/24 12:20	1
Y Carrier	64.7		30 - 110					11/18/24 11:27	12/02/24 12:20	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	0.572	U	0.451	0.453	5.00	0.740	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-019

Lab Sample ID: 160-56264-18

Date Collected: 10/29/24 14:01

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0954	U	0.109	0.109	1.00	0.177	pCi/L	11/18/24 09:29	12/10/24 10:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	67.1		30 - 110					11/18/24 09:29	12/10/24 10:22	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	0.199	U	0.459	0.459	1.00	0.813	pCi/L	11/18/24 11:27	12/02/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	67.1		30 - 110					11/18/24 11:27	12/02/24 12:20	1
Y Carrier	67.3		30 - 110					11/18/24 11:27	12/02/24 12:20	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	0.295	U	0.472	0.472	5.00	0.813	pCi/L		12/11/24 15:48	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Client Sample ID: 24101590-020

Lab Sample ID: 160-56264-19

Date Collected: 10/31/24 14:20

Matrix: Water

Date Received: 11/14/24 12:30

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	0.107	U	0.0839	0.0844	1.00	0.123	pCi/L	11/18/24 09:29	12/10/24 10:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					11/18/24 09:29	12/10/24 10:22	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	-0.0410	U	0.323	0.323	1.00	0.618	pCi/L	11/18/24 11:27	12/02/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					11/18/24 11:27	12/02/24 12:20	1
Y Carrier	72.9		30 - 110					11/18/24 11:27	12/02/24 12:20	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	0.107	U	0.334	0.334	5.00	0.618	pCi/L		12/11/24 15:48	1

Client Sample ID: 24101590-021

Lab Sample ID: 160-56264-20

Date Collected: 10/31/24 13:24

Matrix: Water

Date Received: 11/14/24 12:30

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	0.124	0.124	1.00	0.183	pCi/L	11/18/24 09:29	12/10/24 10:22	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.5		30 - 110					11/18/24 09:29	12/10/24 10:22	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	0.188	U	0.549	0.550	1.00	0.971	pCi/L	11/18/24 11:27	12/02/24 12:20	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.5		30 - 110					11/18/24 11:27	12/02/24 12:20	1
Y Carrier	76.3		30 - 110					11/18/24 11:27	12/02/24 12:20	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	0.344	U	0.563	0.564	5.00	0.971	pCi/L		12/11/24 15:48	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-689146/1-A
Matrix: Water
Analysis Batch: 692849

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689146

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.001506	U	0.0473	0.0473	1.00	0.0997	pCi/L	11/18/24 09:29	12/10/24 10:17	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110					11/18/24 09:29	12/10/24 10:17	1

Lab Sample ID: LCS 160-689146/2-A
Matrix: Water
Analysis Batch: 692849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689146

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.039		0.974	1.00	0.119	pCi/L	94	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	90.9		30 - 110							

Lab Sample ID: 160-56264-2 DU
Matrix: Water
Analysis Batch: 692926

Client Sample ID: 24101590-003
Prep Type: Total/NA
Prep Batch: 689146

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0980	U	0.06093	U	0.0763	1.00	0.126	pCi/L	0.22	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	78.0		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-689167/1-A
Matrix: Water
Analysis Batch: 691381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689167

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.05415	U	0.357	0.357	1.00	0.669	pCi/L	11/18/24 11:27	12/02/24 12:21	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.2		30 - 110					11/18/24 11:27	12/02/24 12:21	1
Y Carrier	72.9		30 - 110					11/18/24 11:27	12/02/24 12:21	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-689167/2-A
Matrix: Water
Analysis Batch: 691381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689167

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.30	9.883		1.38	1.00	0.636	pCi/L	119	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	90.9		30 - 110									
Y Carrier	74.4		30 - 110									

Lab Sample ID: 160-56264-2 DU
Matrix: Water
Analysis Batch: 691381

Client Sample ID: 24101590-003
Prep Type: Total/NA
Prep Batch: 689167

Analyte	Sample Result	Sample Qual		DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit		RER	RER Limit
Radium-228	0.0900	U		0.07778	U	0.386	1.00	0.704	pCi/L		0.02	1
	DU	DU										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	78.0		30 - 110									
Y Carrier	70.7		30 - 110									

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-56264-1
SDG: 24101590

Rad

Prep Batch: 689146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-1	24101590-001	Total/NA	Water	PrecSep-21	
160-56264-2	24101590-003	Total/NA	Water	PrecSep-21	
160-56264-3	24101590-004	Total/NA	Water	PrecSep-21	
160-56264-4	24101590-005	Total/NA	Water	PrecSep-21	
160-56264-5	24101590-006	Total/NA	Water	PrecSep-21	
160-56264-6	24101590-007	Total/NA	Water	PrecSep-21	
160-56264-7	24101590-008	Total/NA	Water	PrecSep-21	
160-56264-8	24101590-009	Total/NA	Water	PrecSep-21	
160-56264-9	24101590-010	Total/NA	Water	PrecSep-21	
160-56264-10	24101590-011	Total/NA	Water	PrecSep-21	
160-56264-11	24101590-012	Total/NA	Water	PrecSep-21	
160-56264-12	24101590-013	Total/NA	Water	PrecSep-21	
160-56264-13	24101590-014	Total/NA	Water	PrecSep-21	
160-56264-14	24101590-015	Total/NA	Water	PrecSep-21	
160-56264-15	24101590-016	Total/NA	Water	PrecSep-21	
160-56264-16	24101590-017	Total/NA	Water	PrecSep-21	
160-56264-17	24101590-018	Total/NA	Water	PrecSep-21	
160-56264-18	24101590-019	Total/NA	Water	PrecSep-21	
160-56264-19	24101590-020	Total/NA	Water	PrecSep-21	
160-56264-20	24101590-021	Total/NA	Water	PrecSep-21	
MB 160-689146/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-689146/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56264-2 DU	24101590-003	Total/NA	Water	PrecSep-21	

Prep Batch: 689167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-1	24101590-001	Total/NA	Water	PrecSep_0	
160-56264-2	24101590-003	Total/NA	Water	PrecSep_0	
160-56264-3	24101590-004	Total/NA	Water	PrecSep_0	
160-56264-4	24101590-005	Total/NA	Water	PrecSep_0	
160-56264-5	24101590-006	Total/NA	Water	PrecSep_0	
160-56264-6	24101590-007	Total/NA	Water	PrecSep_0	
160-56264-7	24101590-008	Total/NA	Water	PrecSep_0	
160-56264-8	24101590-009	Total/NA	Water	PrecSep_0	
160-56264-9	24101590-010	Total/NA	Water	PrecSep_0	
160-56264-10	24101590-011	Total/NA	Water	PrecSep_0	
160-56264-11	24101590-012	Total/NA	Water	PrecSep_0	
160-56264-12	24101590-013	Total/NA	Water	PrecSep_0	
160-56264-13	24101590-014	Total/NA	Water	PrecSep_0	
160-56264-14	24101590-015	Total/NA	Water	PrecSep_0	
160-56264-15	24101590-016	Total/NA	Water	PrecSep_0	
160-56264-16	24101590-017	Total/NA	Water	PrecSep_0	
160-56264-17	24101590-018	Total/NA	Water	PrecSep_0	
160-56264-18	24101590-019	Total/NA	Water	PrecSep_0	
160-56264-19	24101590-020	Total/NA	Water	PrecSep_0	
160-56264-20	24101590-021	Total/NA	Water	PrecSep_0	
MB 160-689167/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689167/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56264-2 DU	24101590-003	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-1
SDG: 24101590

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)					
160-56264-1	24101590-001	71.4					
160-56264-2	24101590-003	80.0					
160-56264-2 DU	24101590-003	78.0					
160-56264-3	24101590-004	74.9					
160-56264-4	24101590-005	84.3					
160-56264-5	24101590-006	78.7					
160-56264-6	24101590-007	66.6					
160-56264-7	24101590-008	85.1					
160-56264-8	24101590-009	83.5					
160-56264-9	24101590-010	91.9					
160-56264-10	24101590-011	83.8					
160-56264-11	24101590-012	79.5					
160-56264-12	24101590-013	78.7					
160-56264-13	24101590-014	86.1					
160-56264-14	24101590-015	85.1					
160-56264-15	24101590-016	85.3					
160-56264-16	24101590-017	81.5					
160-56264-17	24101590-018	84.6					
160-56264-18	24101590-019	67.1					
160-56264-19	24101590-020	87.8					
160-56264-20	24101590-021	80.5					
LCS 160-689146/2-A	Lab Control Sample	90.9					
MB 160-689146/1-A	Method Blank	96.2					
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)				
160-56264-1	24101590-001	71.4	74.0				
160-56264-2	24101590-003	80.0	80.4				
160-56264-2 DU	24101590-003	78.0	70.7				
160-56264-3	24101590-004	74.9	71.4				
160-56264-4	24101590-005	84.3	63.2				
160-56264-5	24101590-006	78.7	75.1				
160-56264-6	24101590-007	66.6	65.4				
160-56264-7	24101590-008	85.1	74.8				
160-56264-8	24101590-009	83.5	72.1				
160-56264-9	24101590-010	91.9	76.3				
160-56264-10	24101590-011	83.8	61.3				
160-56264-11	24101590-012	79.5	62.1				
160-56264-12	24101590-013	78.7	75.1				
160-56264-13	24101590-014	86.1	67.7				
160-56264-14	24101590-015	85.1	71.0				
160-56264-15	24101590-016	85.3	67.7				
160-56264-16	24101590-017	81.5	61.7				

Eurofins St. Louis

Tracer/Carrier Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-56264-1
SDG: 24101590

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)
160-56264-17	24101590-018	84.6	64.7
160-56264-18	24101590-019	67.1	67.3
160-56264-19	24101590-020	87.8	72.9
160-56264-20	24101590-021	80.5	76.3
LCS 160-689167/2-A	Lab Control Sample	90.9	74.4
MB 160-689167/1-A	Method Blank	96.2	72.9

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 12/16/2024 10:08:59 AM

JOB DESCRIPTION

Radium-226 and Radium-228
24101590

JOB NUMBER

160-56264-2

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
12/16/2024 10:08:59 AM

Authorized for release by
Erika Smith, Project Manager
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(314)298-8566

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
DOWHEN POWER PLANT, GMF GYPSUM STACK POND
C-06045-0034

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

Job ID: 160-56264-2

Job ID: 160-56264-2

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24101590

Report Number: 160-56264-2

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.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

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.

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.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

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

Receipt

The samples were received on 11/14/2024 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 19.8°C, 19.8°C, 20.0°C, 20.0°C, 20.0°C and 20.2°C.

Receipt Exceptions

Due to the high volume of samples received, the job was split into three parts with staggered due dates.

Method 903.0 - Radium-226 (GFPC)

Samples 24101590-022 (160-56264-21), 24101590-023 (160-56264-22), 24101590-024 (160-56264-23), 24101590-026 (160-56264-24), 24101590-027 (160-56264-25), 24101590-028 (160-56264-26), 24101590-029 (160-56264-27), 24101590-030 (160-56264-28), 24101590-031 (160-56264-29), 24101590-032 (160-56264-30), 24101590-033 (160-56264-31), 24101590-034 (160-56264-32), 24101590-035 (160-56264-33), 24101590-036 (160-56264-34), 24101590-037 (160-56264-35), 24101590-038 (160-56264-36), 24101590-039 (160-56264-37), 24101590-040 (160-56264-38) and 24101590-041 (160-56264-39) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/10/2024.

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
DOWHEN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-56264-2

Job ID: 160-56264-2 (Continued)

Eurofins St. Louis

Method 904.0 - Radium-228 (GFPC)

Samples 24101590-022 (160-56264-21), 24101590-023 (160-56264-22), 24101590-024 (160-56264-23), 24101590-026 (160-56264-24), 24101590-027 (160-56264-25), 24101590-028 (160-56264-26), 24101590-029 (160-56264-27), 24101590-030 (160-56264-28), 24101590-031 (160-56264-29), 24101590-032 (160-56264-30), 24101590-033 (160-56264-31), 24101590-034 (160-56264-32), 24101590-035 (160-56264-33), 24101590-036 (160-56264-34), 24101590-037 (160-56264-35), 24101590-038 (160-56264-36), 24101590-039 (160-56264-37), 24101590-040 (160-56264-38) and 24101590-041 (160-56264-39) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/5/2024.

The detection goal was not met for the following samples due to the reduced sample volume attributed to the presence of matrix interferences: 24101590-023 (160-56264-22), 24101590-030 (160-56264-28), 24101590-031 (160-56264-29), 24101590-036 (160-56264-34) and 24101590-037 (160-56264-35). Analytical results are reported with the detection limit achieved.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24101590-022 (160-56264-21), 24101590-023 (160-56264-22), 24101590-024 (160-56264-23), 24101590-026 (160-56264-24), 24101590-027 (160-56264-25), 24101590-028 (160-56264-26), 24101590-029 (160-56264-27), 24101590-030 (160-56264-28), 24101590-031 (160-56264-29), 24101590-032 (160-56264-30), 24101590-033 (160-56264-31), 24101590-034 (160-56264-32), 24101590-035 (160-56264-33), 24101590-036 (160-56264-34), 24101590-037 (160-56264-35), 24101590-038 (160-56264-36), 24101590-039 (160-56264-37), 24101590-040 (160-56264-38) and 24101590-041 (160-56264-39) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/13/2024 and 12/15/2024.

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TEKLAB, INC. Chain of Custody

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

Are the samples chilled?		YES ☐	NO ☒	With: ☐ Ice ☐ Blue Ice ☐		Preserved in: ☐ Lab ☐ Field	
Teklab Inc 5445 Horseshoe Lake Road Collinsville, IL 62234				Cooler Temp:			
Project# 24101590				Sampler:			
Comments: Please issue reports and invoices via email only				QC Level: 2			
Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects				Method changes require Teklab authorization. Samples collected from an IL site.			
Batch QC is required for all analyses requested. Vistra-EDD requested				Vistra-EDD requested			
Contact: Elizabeth Hurley		Email: EHurley@TekLabInc.com		Phone: (618) 344-1004 ext. 33			
Requested Due Date: Standard TAT		Billing/PO: 37245					

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
	24101590-001	11/7/24 1118	HNO3	Groundwater
			HNO3	Groundwater
	24101590-003	10/30/24 0916	HNO3	Groundwater
	24101590-004	11/6/24 1130	HNO3	Groundwater
	24101590-005	10/30/24 1045	HNO3	Groundwater
	24101590-006	10/30/24 1021	HNO3	Groundwater
	24101590-007	10/30/24 0951	HNO3	Groundwater
	24101590-008	10/29/24 1233	HNO3	Groundwater
	24101590-009	10/31/24 1412	HNO3	Groundwater
	24101590-010	10/31/24 1352	HNO3	Groundwater
	24101590-011	10/31/24 1304	HNO3	Groundwater

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.

PLEASE NOTE:

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/14/27 1230	<i>[Signature]</i>	11/14/27 1230
		Cheyenne Forrest	11/14/24 1230

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Cooler Temp:		Sampler:	Teklab Sampling Team

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
	Method changes require Teklab authorization. Samples collected from an IL site.
	Batch QC is required for all analyses requested. Vistra-EDD requested

Phone: (618) 344-1004 ext. 33

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
	24101590-012	10/31/24 1105	HNO3	Groundwater
	24101590-013	10/31/24 1137	HNO3	Groundwater
	24101590-014	10/31/24 1141	HNO3	Groundwater
	24101590-015	10/31/24 1053	HNO3	Groundwater
	24101590-016	10/31/24 1025	HNO3	Groundwater
	24101590-017	10/31/24 1019	HNO3	Groundwater
	24101590-018	10/30/24 1308	HNO3	Groundwater
	24101590-019	10/29/24 1401	HNO3	Groundwater
	24101590-020	10/31/24 1420	HNO3	Groundwater
	24101590-021	10/31/24 1324	HNO3	Groundwater
	24101590-022	10/30/24 1004	HNO3	Groundwater

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

Ra226/228 Radium 226 Radium 228

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/14/24	<i>[Signature]</i>	11/18/24
	11/17/24	<i>[Signature]</i>	11/19/24
		Cheyenne Forrest	12/30

ATTACHMENT B.
QUARTER 4, 2024
SUM STACK POND
COF-845-103

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# 24101590				Comments: Please issue reports and invoices via email only					
				Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects					
				Method changes require Teklab authorization. Samples collected from an IL site.					
				Batch QC is required for all analyses requested. Vistra-EDD requested					
Contact: Elizabeth Hurley Standard TAT				Email: EHurley@TekLabinc.com		Phone: (618) 344-1004 ext. 33			
Requested Due Date: 37245				Billing/PO: 37245					

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
	24101590-045	11/4/24 1316	HNO3	Groundwater
	24101590-046	11/4/24 1236	HNO3	Groundwater
	24101590-047	11/6/24 1036	HNO3	Groundwater
	24101590-048	11/4/24 1157	HNO3	Groundwater
	24101590-049	11/4/24 1106	HNO3	Groundwater
	24101590-050	11/4/24 1040	HNO3	Groundwater
	24101590-051	11/4/24 1021	HNO3	Groundwater
	24101590-052	11/4/24 1246	HNO3	Groundwater
	24101590-053	11/4/24 1340	HNO3	Groundwater
	24101590-054	11/6/24 0959	HNO3	Groundwater
	24101590-055	11/6/24 0922	HNO3	Groundwater

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.

*Relinquished By	Date/Time	Received By	Date/Time
[Signature]	11/14/24 1:00 11/14/24	[Signature]	11/14/24 1:06 11/14/24 1230
		Cheyenne Forrest	

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

Cooler Temp:	
Sampler:	Teklab Sampling Team

24101590

Email:	EHurley@TekLabInc.com
Billing/PO:	37245

(618) 344-1004 ext. 33

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
	24101590-056	10/30/24 1410	HNO3	Groundwater
	24101590-057	11/7/24 1255	HNO3	Aqueous
	24101590-058	10/29/24 1233	HNO3	Groundwater
	24101590-059	10/31/24 1053	HNO3	Groundwater
	24101590-060	11/7/24 1318	HNO3	Groundwater
	24101590-061	10/30/24 1410	HNO3	Groundwater
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Groundwater
			HNO3	Groundwater

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.

Received By

Date/Time

110
41230

1001

1

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56264-2

SDG Number: 24101590

Login Number: 56264

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins St. Louis

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
COP-845-168
SDG: 24101590

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.
☼	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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56264-21	24101590-022	Water	10/30/24 10:04	11/14/24 12:30
160-56264-22	24101590-023	Water	10/30/24 09:42	11/14/24 12:30
160-56264-23	24101590-024	Water	11/04/24 11:26	11/14/24 12:30
160-56264-24	24101590-026	Water	10/30/24 11:21	11/14/24 12:30
160-56264-25	24101590-027	Water	10/30/24 12:14	11/14/24 12:30
160-56264-26	24101590-028	Water	10/30/24 14:25	11/14/24 12:30
160-56264-27	24101590-029	Water	11/07/24 12:11	11/14/24 12:30
160-56264-28	24101590-030	Water	10/31/24 12:35	11/14/24 12:30
160-56264-29	24101590-031	Water	10/29/24 11:34	11/14/24 12:30
160-56264-30	24101590-032	Water	11/07/24 13:18	11/14/24 12:30
160-56264-31	24101590-033	Water	11/06/24 11:58	11/14/24 12:30
160-56264-32	24101590-034	Water	11/06/24 13:48	11/14/24 12:30
160-56264-33	24101590-035	Water	11/06/24 13:20	11/14/24 12:30
160-56264-34	24101590-036	Water	11/04/24 10:19	11/14/24 12:30
160-56264-35	24101590-037	Water	11/04/24 11:19	11/14/24 12:30
160-56264-36	24101590-038	Water	11/04/24 10:56	11/14/24 12:30
160-56264-37	24101590-039	Water	11/04/24 11:56	11/14/24 12:30
160-56264-38	24101590-040	Water	11/06/24 11:21	11/14/24 12:30
160-56264-39	24101590-041	Water	11/06/24 12:52	11/14/24 12:30

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-022

Lab Sample ID: 160-56264-21

Date Collected: 10/30/24 10:04

Matrix: Water

Date Received: 11/14/24 12:30

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	0.144	U	0.134	0.134	1.00	0.208	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					11/18/24 09:39	12/10/24 20:06	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	0.481	0.481	1.00	0.857	pCi/L	11/18/24 09:42	12/05/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.1		30 - 110					11/18/24 09:42	12/05/24 12:08	1
Y Carrier	86.0		30 - 110					11/18/24 09:42	12/05/24 12:08	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	0.278	U	0.499	0.499	5.00	0.857	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-023

Lab Sample ID: 160-56264-22

Date Collected: 10/30/24 09:42

Matrix: Water

Date Received: 11/14/24 12:30

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.223	U	0.234	0.235	1.00	0.372	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	39.2		30 - 110					11/18/24 09:39	12/10/24 20:06	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	0.447	U G	0.986	0.986	1.00	1.73	pCi/L	11/18/24 09:42	12/05/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	39.2		30 - 110					11/18/24 09:42	12/05/24 12:08	1
Y Carrier	79.3		30 - 110					11/18/24 09:42	12/05/24 12:08	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	0.670	U	1.01	1.01	5.00	1.73	pCi/L		12/13/24 17:32	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-024

Lab Sample ID: 160-56264-23

Date Collected: 11/04/24 11:26

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0297	U	0.0771	0.0771	1.00	0.141	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					11/18/24 09:39	12/10/24 20:06	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	-0.0413	U	0.269	0.269	1.00	0.523	pCi/L	11/18/24 09:42	12/05/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					11/18/24 09:42	12/05/24 12:08	1
Y Carrier	81.9		30 - 110					11/18/24 09:42	12/05/24 12:08	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	0.0297	U	0.280	0.280	5.00	0.523	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-026

Lab Sample ID: 160-56264-24

Date Collected: 10/30/24 11:21

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0433	U	0.0828	0.0829	1.00	0.147	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					11/18/24 09:39	12/10/24 20:06	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	0.0914	U	0.322	0.322	1.00	0.586	pCi/L	11/18/24 09:42	12/05/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					11/18/24 09:42	12/05/24 12:08	1
Y Carrier	75.1		30 - 110					11/18/24 09:42	12/05/24 12:08	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	0.135	U	0.332	0.333	5.00	0.586	pCi/L		12/13/24 17:32	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-027

Lab Sample ID: 160-56264-25

Date Collected: 10/30/24 12:14

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0509	U	0.0937	0.0938	1.00	0.167	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					11/18/24 09:39	12/10/24 20:06	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	-0.237	U	0.435	0.436	1.00	0.872	pCi/L	11/18/24 09:42	12/05/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.3		30 - 110					11/18/24 09:42	12/05/24 12:08	1
Y Carrier	85.2		30 - 110					11/18/24 09:42	12/05/24 12:08	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	0.0509	U	0.445	0.446	5.00	0.872	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-028

Lab Sample ID: 160-56264-26

Date Collected: 10/30/24 14:25

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0876	U	0.0997	0.100	1.00	0.162	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					11/18/24 09:39	12/10/24 20:06	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	0.131	U	0.388	0.388	1.00	0.685	pCi/L	11/18/24 09:42	12/05/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					11/18/24 09:42	12/05/24 12:12	1
Y Carrier	86.4		30 - 110					11/18/24 09:42	12/05/24 12:12	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.219	U	0.401	0.401	5.00	0.685	pCi/L		12/13/24 17:32	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-029

Lab Sample ID: 160-56264-27

Date Collected: 11/07/24 12:11

Matrix: Water

Date Received: 11/14/24 12:30

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	0.301		0.136	0.138	1.00	0.159	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.7		30 - 110					11/18/24 09:39	12/10/24 20:06	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	0.805		0.522	0.527	1.00	0.779	pCi/L	11/18/24 09:42	12/05/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.7		30 - 110					11/18/24 09:42	12/05/24 12:11	1
Y Carrier	81.5		30 - 110					11/18/24 09:42	12/05/24 12:11	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.11		0.539	0.545	5.00	0.779	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-030

Lab Sample ID: 160-56264-28

Date Collected: 10/31/24 12:35

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0647	U	0.124	0.125	1.00	0.221	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		30 - 110					11/18/24 09:39	12/10/24 20:06	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	0.153	U G	0.762	0.762	1.00	1.35	pCi/L	11/18/24 09:42	12/05/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	74.2		30 - 110					11/18/24 09:42	12/05/24 12:12	1
Y Carrier	80.4		30 - 110					11/18/24 09:42	12/05/24 12:12	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.218	U	0.772	0.772	5.00	1.35	pCi/L		12/13/24 17:32	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-031

Lab Sample ID: 160-56264-29

Date Collected: 10/29/24 11:34

Matrix: Water

Date Received: 11/14/24 12:30

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	0.530		0.200	0.206	1.00	0.215	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.2		30 - 110					11/18/24 09:39	12/10/24 20:14	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	2.02	G	0.959	0.977	1.00	1.37	pCi/L	11/18/24 09:42	12/05/24 12:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.2		30 - 110					11/18/24 09:42	12/05/24 12:12	1
Y Carrier	76.3		30 - 110					11/18/24 09:42	12/05/24 12:12	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.55		0.980	0.998	5.00	1.37	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-032

Lab Sample ID: 160-56264-30

Date Collected: 11/07/24 13:18

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0249	U	0.0822	0.0822	1.00	0.154	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/18/24 09:39	12/10/24 20:14	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	-0.00882	U	0.360	0.360	1.00	0.682	pCi/L	11/18/24 09:42	12/05/24 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.3		30 - 110					11/18/24 09:42	12/05/24 13:35	1
Y Carrier	83.0		30 - 110					11/18/24 09:42	12/05/24 13:35	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	0.0249	U	0.369	0.369	5.00	0.682	pCi/L		12/13/24 17:32	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-033

Lab Sample ID: 160-56264-31

Date Collected: 11/06/24 11:58

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0648	U	0.101	0.101	1.00	0.173	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					11/18/24 09:39	12/10/24 20:14	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	0.208	U	0.370	0.371	1.00	0.639	pCi/L	11/18/24 09:42	12/05/24 13:35	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.6		30 - 110					11/18/24 09:42	12/05/24 13:35	1
Y Carrier	83.7		30 - 110					11/18/24 09:42	12/05/24 13:35	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	0.273	U	0.384	0.385	5.00	0.639	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-034

Lab Sample ID: 160-56264-32

Date Collected: 11/06/24 13:48

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0642	U	0.0974	0.0975	1.00	0.167	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					11/18/24 09:39	12/10/24 20:14	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	0.384	U	0.448	0.450	1.00	0.737	pCi/L	11/18/24 09:42	12/05/24 13:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.3		30 - 110					11/18/24 09:42	12/05/24 13:36	1
Y Carrier	75.9		30 - 110					11/18/24 09:42	12/05/24 13:36	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	0.448	U	0.458	0.460	5.00	0.737	pCi/L		12/13/24 17:32	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-035

Lab Sample ID: 160-56264-33

Date Collected: 11/06/24 13:20

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0398	U	0.0925	0.0926	1.00	0.167	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110					11/18/24 09:39	12/10/24 20:14	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	-0.0129	U	0.479	0.479	1.00	0.887	pCi/L	11/18/24 09:42	12/05/24 13:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.2		30 - 110					11/18/24 09:42	12/05/24 13:36	1
Y Carrier	80.4		30 - 110					11/18/24 09:42	12/05/24 13:36	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	0.0398	U	0.488	0.488	5.00	0.887	pCi/L		12/13/24 17:32	1

Client Sample ID: 24101590-036

Lab Sample ID: 160-56264-34

Date Collected: 11/04/24 10:19

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0960	U	0.132	0.132	1.00	0.223	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		30 - 110					11/18/24 09:39	12/10/24 20:14	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	0.486	U G	0.627	0.629	1.00	1.04	pCi/L	11/18/24 09:42	12/05/24 13:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.2		30 - 110					11/18/24 09:42	12/05/24 13:36	1
Y Carrier	76.6		30 - 110					11/18/24 09:42	12/05/24 13:36	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	0.582	U	0.641	0.643	5.00	1.04	pCi/L		12/13/24 17:32	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-037

Lab Sample ID: 160-56264-35

Date Collected: 11/04/24 11:19

Matrix: Water

Date Received: 11/14/24 12:30

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	0.115	U	0.112	0.112	1.00	0.172	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					11/18/24 09:39	12/10/24 20:14	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	1.06	G	0.701	0.708	1.00	1.05	pCi/L	11/18/24 09:42	12/05/24 13:36	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					11/18/24 09:42	12/05/24 13:36	1
Y Carrier	78.5		30 - 110					11/18/24 09:42	12/05/24 13:36	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	1.18		0.710	0.717	5.00	1.05	pCi/L		12/15/24 11:36	1

Client Sample ID: 24101590-038

Lab Sample ID: 160-56264-36

Date Collected: 11/04/24 10:56

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0545	U	0.0776	0.0778	1.00	0.132	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					11/18/24 09:39	12/10/24 20:14	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	0.0304	U	0.355	0.355	1.00	0.666	pCi/L	11/18/24 09:42	12/05/24 13:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.1		30 - 110					11/18/24 09:42	12/05/24 13:37	1
Y Carrier	78.1		30 - 110					11/18/24 09:42	12/05/24 13:37	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	0.0850	U	0.363	0.363	5.00	0.666	pCi/L		12/15/24 11:36	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-039

Lab Sample ID: 160-56264-37

Date Collected: 11/04/24 11:56

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0415	U	0.0755	0.0756	1.00	0.135	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.5		30 - 110					11/18/24 09:39	12/10/24 20:14	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	0.161	U	0.499	0.500	1.00	0.886	pCi/L	11/18/24 09:42	12/05/24 13:37	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	78.5		30 - 110					11/18/24 09:42	12/05/24 13:37	1
Y Carrier	78.5		30 - 110					11/18/24 09:42	12/05/24 13:37	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	0.202	U	0.505	0.506	5.00	0.886	pCi/L		12/15/24 11:36	1

Client Sample ID: 24101590-040

Lab Sample ID: 160-56264-38

Date Collected: 11/06/24 11:21

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0181	U	0.0700	0.0700	1.00	0.138	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					11/18/24 09:39	12/10/24 20:14	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	2.95		0.782	0.828	1.00	0.874	pCi/L	11/18/24 09:42	12/05/24 13:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	75.4		30 - 110					11/18/24 09:42	12/05/24 13:38	1
Y Carrier	83.7		30 - 110					11/18/24 09:42	12/05/24 13:38	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.96		0.785	0.831	5.00	0.874	pCi/L		12/15/24 11:36	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Client Sample ID: 24101590-041

Lab Sample ID: 160-56264-39

Date Collected: 11/06/24 12:52

Matrix: Water

Date Received: 11/14/24 12:30

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	0.117	U	0.116	0.117	1.00	0.184	pCi/L	11/18/24 09:39	12/10/24 20:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					11/18/24 09:39	12/10/24 20:14	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	2.35		0.686	0.719	1.00	0.782	pCi/L	11/18/24 09:42	12/05/24 13:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.8		30 - 110					11/18/24 09:42	12/05/24 13:38	1
Y Carrier	79.6		30 - 110					11/18/24 09:42	12/05/24 13:38	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	2.47		0.696	0.728	5.00	0.782	pCi/L		12/15/24 11:36	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-689149/1-A
Matrix: Water
Analysis Batch: 692927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689149

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.001743	U	0.0776	0.0776	1.00	0.154	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					11/18/24 09:39	12/10/24 20:06	1

Lab Sample ID: LCS 160-689149/2-A
Matrix: Water
Analysis Batch: 692927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689149

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.866		0.981	1.00	0.160	pCi/L	93	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	85.3		30 - 110							

Lab Sample ID: 160-56264-39 DU
Matrix: Water
Analysis Batch: 692926

Client Sample ID: 24101590-041
Prep Type: Total/NA
Prep Batch: 689149

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.117	U	0.04171	U	0.0736	1.00	0.130	pCi/L	0.40	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	88.1		30 - 110							

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-689150/1-A
Matrix: Water
Analysis Batch: 691990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689150

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2221	U	0.236	0.236	1.00	0.535	pCi/L	11/18/24 09:42	12/05/24 12:08	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					11/18/24 09:42	12/05/24 12:08	1
Y Carrier	80.7		30 - 110					11/18/24 09:42	12/05/24 12:08	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-689150/2-A
Matrix: Water
Analysis Batch: 691990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689150

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.29	9.021		1.30	1.00	0.608	pCi/L	109	75 - 125		
	LCS	LCS										
Carrier	%Yield	Qualifier	Limits									
Ba Carrier	85.3		30 - 110									
Y Carrier	80.4		30 - 110									

Lab Sample ID: 160-56264-39 DU
Matrix: Water
Analysis Batch: 691936

Client Sample ID: 24101590-041
Prep Type: Total/NA
Prep Batch: 689150

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit		RER	RER Limit
Radium-228	2.35		1.835		0.583	1.00	0.613	pCi/L		0.40	1
	DU	DU									
Carrier	%Yield	Qualifier	Limits								
Ba Carrier	88.1		30 - 110								
Y Carrier	82.6		30 - 110								

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEIN POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-56264-2
SDG: 24101590

Rad

Prep Batch: 689149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-21	24101590-022	Total/NA	Water	PrecSep-21	
160-56264-22	24101590-023	Total/NA	Water	PrecSep-21	
160-56264-23	24101590-024	Total/NA	Water	PrecSep-21	
160-56264-24	24101590-026	Total/NA	Water	PrecSep-21	
160-56264-25	24101590-027	Total/NA	Water	PrecSep-21	
160-56264-26	24101590-028	Total/NA	Water	PrecSep-21	
160-56264-27	24101590-029	Total/NA	Water	PrecSep-21	
160-56264-28	24101590-030	Total/NA	Water	PrecSep-21	
160-56264-29	24101590-031	Total/NA	Water	PrecSep-21	
160-56264-30	24101590-032	Total/NA	Water	PrecSep-21	
160-56264-31	24101590-033	Total/NA	Water	PrecSep-21	
160-56264-32	24101590-034	Total/NA	Water	PrecSep-21	
160-56264-33	24101590-035	Total/NA	Water	PrecSep-21	
160-56264-34	24101590-036	Total/NA	Water	PrecSep-21	
160-56264-35	24101590-037	Total/NA	Water	PrecSep-21	
160-56264-36	24101590-038	Total/NA	Water	PrecSep-21	
160-56264-37	24101590-039	Total/NA	Water	PrecSep-21	
160-56264-38	24101590-040	Total/NA	Water	PrecSep-21	
160-56264-39	24101590-041	Total/NA	Water	PrecSep-21	
MB 160-689149/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-689149/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56264-39 DU	24101590-041	Total/NA	Water	PrecSep-21	

Prep Batch: 689150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-21	24101590-022	Total/NA	Water	PrecSep_0	
160-56264-22	24101590-023	Total/NA	Water	PrecSep_0	
160-56264-23	24101590-024	Total/NA	Water	PrecSep_0	
160-56264-24	24101590-026	Total/NA	Water	PrecSep_0	
160-56264-25	24101590-027	Total/NA	Water	PrecSep_0	
160-56264-26	24101590-028	Total/NA	Water	PrecSep_0	
160-56264-27	24101590-029	Total/NA	Water	PrecSep_0	
160-56264-28	24101590-030	Total/NA	Water	PrecSep_0	
160-56264-29	24101590-031	Total/NA	Water	PrecSep_0	
160-56264-30	24101590-032	Total/NA	Water	PrecSep_0	
160-56264-31	24101590-033	Total/NA	Water	PrecSep_0	
160-56264-32	24101590-034	Total/NA	Water	PrecSep_0	
160-56264-33	24101590-035	Total/NA	Water	PrecSep_0	
160-56264-34	24101590-036	Total/NA	Water	PrecSep_0	
160-56264-35	24101590-037	Total/NA	Water	PrecSep_0	
160-56264-36	24101590-038	Total/NA	Water	PrecSep_0	
160-56264-37	24101590-039	Total/NA	Water	PrecSep_0	
160-56264-38	24101590-040	Total/NA	Water	PrecSep_0	
160-56264-39	24101590-041	Total/NA	Water	PrecSep_0	
MB 160-689150/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689150/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56264-39 DU	24101590-041	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

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)					
160-56264-21	24101590-022	84.1					
160-56264-22	24101590-023	39.2					
160-56264-23	24101590-024	91.4					
160-56264-24	24101590-026	82.3					
160-56264-25	24101590-027	83.3					
160-56264-26	24101590-028	88.4					
160-56264-27	24101590-029	76.7					
160-56264-28	24101590-030	74.2					
160-56264-29	24101590-031	76.2					
160-56264-30	24101590-032	84.3					
160-56264-31	24101590-033	87.6					
160-56264-32	24101590-034	81.3					
160-56264-33	24101590-035	79.2					
160-56264-34	24101590-036	78.2					
160-56264-35	24101590-037	84.8					
160-56264-36	24101590-038	87.1					
160-56264-37	24101590-039	78.5					
160-56264-38	24101590-040	75.4					
160-56264-39	24101590-041	81.8					
160-56264-39 DU	24101590-041	88.1					
LCS 160-689149/2-A	Lab Control Sample	85.3					
MB 160-689149/1-A	Method Blank	88.4					

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)				
160-56264-21	24101590-022	84.1	86.0				
160-56264-22	24101590-023	39.2	79.3				
160-56264-23	24101590-024	91.4	81.9				
160-56264-24	24101590-026	82.3	75.1				
160-56264-25	24101590-027	83.3	85.2				
160-56264-26	24101590-028	88.4	86.4				
160-56264-27	24101590-029	76.7	81.5				
160-56264-28	24101590-030	74.2	80.4				
160-56264-29	24101590-031	76.2	76.3				
160-56264-30	24101590-032	84.3	83.0				
160-56264-31	24101590-033	87.6	83.7				
160-56264-32	24101590-034	81.3	75.9				
160-56264-33	24101590-035	79.2	80.4				
160-56264-34	24101590-036	78.2	76.6				
160-56264-35	24101590-037	84.8	78.5				
160-56264-36	24101590-038	87.1	78.1				
160-56264-37	24101590-039	78.5	78.5				
160-56264-38	24101590-040	75.4	83.7				

Eurofins St. Louis

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-2
SDG: 24101590

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)
160-56264-39	24101590-041	81.8	79.6
160-56264-39 DU	24101590-041	88.1	82.6
LCS 160-689150/2-A	Lab Control Sample	85.3	80.4
MB 160-689150/1-A	Method Blank	88.4	80.7
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 12/16/2024 10:17:02 AM

JOB DESCRIPTION

Radium-226 and Radium-228
24101590

JOB NUMBER

160-56264-3

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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12/16/2024 10:17:02 AM

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

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
DOWHEN POWER PLANT, GMF GYPSUM STACK POND
C-06045-203

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

Job ID: 160-56264-3

Job ID: 160-56264-3

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24101590

Report Number: 160-56264-3

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.

All soil/sediment sample results for radiochemistry analyses are based upon sample as dried and disaggregated with the exception of tritium, carbon-14, and iodine-129 by gamma spectroscopy unless requested as wet weight by the client.

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.

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.

This laboratory report is confidential and is intended for the sole use of Eurofins TestAmerica and its client.

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

Receipt

The samples were received on 11/14/2024 12:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved. The temperatures of the 6 coolers at receipt time were 19.8°C, 19.8°C, 20.0°C, 20.0°C, 20.0°C and 20.2°C.

Receipt Exceptions

Due to the high volume of samples received, the job was split into three parts with staggered due dates.

Method 903.0 - Radium-226 (GFPC)

Samples 24101590-042 (160-56264-40), 24101590-043 (160-56264-41), 24101590-044 (160-56264-42), 24101590-045 (160-56264-43), 24101590-046 (160-56264-44), 24101590-047 (160-56264-45), 24101590-048 (160-56264-46), 24101590-049 (160-56264-47), 24101590-050 (160-56264-48), 24101590-051 (160-56264-49), 24101590-052 (160-56264-50), 24101590-053 (160-56264-51), 24101590-054 (160-56264-52), 24101590-055 (160-56264-53), 24101590-056 (160-56264-54), 24101590-057 (160-56264-55), 24101590-058 (160-56264-56), 24101590-059 (160-56264-57), 24101590-060 (160-56264-58) and 24101590-061 (160-56264-59) were analyzed for Radium-226 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/10/2024.

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
DOWHEN POWER PLANT, GMF GYPSUM STACK POND
C-160-56264-3

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

Job ID: 160-56264-3

Job ID: 160-56264-3 (Continued)

Eurofins St. Louis

Method 904.0 - Radium-228 (GFPC)

Samples 24101590-042 (160-56264-40), 24101590-043 (160-56264-41), 24101590-044 (160-56264-42), 24101590-045 (160-56264-43), 24101590-046 (160-56264-44), 24101590-047 (160-56264-45), 24101590-048 (160-56264-46), 24101590-049 (160-56264-47), 24101590-050 (160-56264-48), 24101590-051 (160-56264-49), 24101590-052 (160-56264-50), 24101590-053 (160-56264-51), 24101590-054 (160-56264-52), 24101590-055 (160-56264-53), 24101590-056 (160-56264-54), 24101590-057 (160-56264-55), 24101590-058 (160-56264-56), 24101590-059 (160-56264-57), 24101590-060 (160-56264-58) and 24101590-061 (160-56264-59) were analyzed for Radium-228 (GFPC). The samples were prepared on 11/18/2024 and analyzed on 12/4/2024 and 12/5/2024.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24101590-042 (160-56264-40), 24101590-043 (160-56264-41), 24101590-044 (160-56264-42), 24101590-045 (160-56264-43), 24101590-046 (160-56264-44), 24101590-047 (160-56264-45), 24101590-048 (160-56264-46), 24101590-049 (160-56264-47), 24101590-050 (160-56264-48), 24101590-051 (160-56264-49), 24101590-052 (160-56264-50), 24101590-053 (160-56264-51), 24101590-054 (160-56264-52), 24101590-055 (160-56264-53), 24101590-056 (160-56264-54), 24101590-057 (160-56264-55), 24101590-058 (160-56264-56), 24101590-059 (160-56264-57), 24101590-060 (160-56264-58) and 24101590-061 (160-56264-59) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 12/15/2024.

Eurofins St. Louis

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice

Preserved in: ☐ Lab ☐ Field

Cooler Temp:		Sampler:	Teklab Sampling Team

Comments:	Please issue reports and invoices via email only
	Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects.
	Method changes require Teklab authorization. Samples collected from an IL site.
	Batch QC is required for all analyses requested. Vistra-EDD requested

Phone: (618) 344-1004 ext. 33

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
	24101590-012	10/31/24 1105	HNO3	Groundwater
	24101590-013	10/31/24 1137	HNO3	Groundwater
	24101590-014	10/31/24 1141	HNO3	Groundwater
	24101590-015	10/31/24 1053	HNO3	Groundwater
	24101590-016	10/31/24 1025	HNO3	Groundwater
	24101590-017	10/31/24 1019	HNO3	Groundwater
	24101590-018	10/30/24 1308	HNO3	Groundwater
	24101590-019	10/29/24 1401	HNO3	Groundwater
	24101590-020	10/31/24 1420	HNO3	Groundwater
	24101590-021	10/31/24 1324	HNO3	Groundwater
	24101590-022	10/30/24 1004	HNO3	Groundwater

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

Ra226/228 Radium 226 Radium 228

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/14/24	<i>[Signature]</i>	11/18/24
	11/17/24		11/19/24
		Cheyenne Forrest	12/30

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

Pg $\frac{4}{6}$ of $\frac{6}{6}$

Are the samples chilled?		YES ☐	NO ☒	With:	☐ Ice	☐ Blue Ice	☐ Lab	☐ Field
TekLab Inc 5445 Horseshoe Lake Road Collinsville, IL 62234				Cooler Temp:		Sampler:		QC Level:
Project#					Comments: Please Issue reports and invoices via email only Please analyze for Radium 226/228 per methods specified for Vistra/Ramboll projects. Method changes require Teklab authorization. Samples collected from an IL site. Batch QC is required for all analyses requested. Vistra-EDD requested.			
Contact: Elizabeth Hurley Standard TAT				Email: EHurley@TekLabInc.com Billing/PO: 37245	Phone: (618) 344-1004 ext. 33			
Requested Due Date:								

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
	24101590-034	11/6/24 1348	HNO3	Groundwater
	24101590-035	11/6/24 1320	HNO3	Groundwater
	24101590-036	11/4/24 1019	HNO3	Groundwater
	24101590-037	11/4/24 1119	HNO3	Groundwater
	24101590-038	11/4/24 1056	HNO3	Groundwater
	24101590-039	11/4/24 1156	HNO3	Groundwater
	24101590-040	11/6/24 1121	HNO3	Groundwater
	24101590-041	11/6/24 1252	HNO3	Groundwater
	24101590-042	11/7/24 1140	HNO3	Groundwater
	24101590-043	11/6/24 1411	HNO3	Groundwater
	24101590-044	11/4/24 1350	HNO3	Groundwater

Radium 226 Radium 228

Ra226/228

[illegible]

Pg 5 of 6

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

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
	24101590-045	11/4/24 1316	HNO ₃	Groundwater
	24101590-046	11/4/24 1236	HNO ₃	Groundwater
	24101590-047	11/6/24 1036	HNO ₃	Groundwater
	24101590-048	11/4/24 1157	HNO ₃	Groundwater
	24101590-049	11/4/24 1106	HNO ₃	Groundwater
	24101590-050	11/4/24 1040	HNO ₃	Groundwater
	24101590-051	11/4/24 1021	HNO ₃	Groundwater
	24101590-052	11/4/24 1246	HNO ₃	Groundwater
	24101590-053	11/4/24 1340	HNO ₃	Groundwater
	24101590-054	11/6/24 0959	HNO ₃	Groundwater
	24101590-055	11/6/24 0922	HNO ₃	Groundwater

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.

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/14/24	<i>[Signature]</i>	11/14/24
<i>[Signature]</i>	11/14/24	<i>[Signature]</i>	11/14/24
		Cheyenne Forrest	12/30

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#		24101590		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 methods specified for Vistra/Ramboll projects Method changes require Teklab authorization. Samples collected from an IL site. Batch QC is required for all analyses requested. Vistra-EDD requested.											
Contact:		Elizabeth Hurley		Email:		EHurley@TekLabInc.com					
Requested Due Date:		Standard TAT		Billing/PO:		37245					
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
	24101590-056	10/30/24 1410	HNO3	Groundwater
	24101590-057	11/7/24 1255	HNO3	Aqueous
	24101590-058	10/29/24 1233	HNO3	Groundwater
	24101590-059	10/31/24 1053	HNO3	Groundwater
	24101590-060	11/7/24 1318	HNO3	Groundwater
	24101590-061	10/30/24 1410	HNO3	Groundwater
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Aqueous
			HNO3	Groundwater
			HNO3	Groundwater

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.

*Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	11/6/79	<i>[Signature]</i>	11/14/79
	11/28/79	<i>[Signature]</i>	11/14/79
		Cheyenne Forrest	12/8 1230

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
COF-845-103

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-56264-3

SDG Number: 24101590

Login Number: 56264

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	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Eurofins St. Louis

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
COP-845-160
SDG: 24101590

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.
☼	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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-56264-40	24101590-042	Water	11/07/24 11:40	11/14/24 12:30
160-56264-41	24101590-043	Water	11/06/24 14:11	11/14/24 12:30
160-56264-42	24101590-044	Water	11/04/24 13:50	11/14/24 12:30
160-56264-43	24101590-045	Water	11/04/24 13:16	11/14/24 12:30
160-56264-44	24101590-046	Water	11/04/24 12:36	11/14/24 12:30
160-56264-45	24101590-047	Water	11/06/24 10:36	11/14/24 12:30
160-56264-46	24101590-048	Water	11/04/24 11:57	11/14/24 12:30
160-56264-47	24101590-049	Water	11/04/24 11:06	11/14/24 12:30
160-56264-48	24101590-050	Water	11/04/24 10:40	11/14/24 12:30
160-56264-49	24101590-051	Water	11/04/24 10:21	11/14/24 12:30
160-56264-50	24101590-052	Water	11/04/24 12:46	11/14/24 12:30
160-56264-51	24101590-053	Water	11/04/24 13:40	11/14/24 12:30
160-56264-52	24101590-054	Water	11/06/24 09:59	11/14/24 12:30
160-56264-53	24101590-055	Water	11/06/24 09:22	11/14/24 12:30
160-56264-54	24101590-056	Water	10/30/24 14:10	11/14/24 12:30
160-56264-55	24101590-057	Water	11/07/24 12:55	11/14/24 12:30
160-56264-56	24101590-058	Water	10/29/24 12:33	11/14/24 12:30
160-56264-57	24101590-059	Water	10/31/24 10:53	11/14/24 12:30
160-56264-58	24101590-060	Water	11/07/24 13:18	11/14/24 12:30
160-56264-59	24101590-061	Water	10/30/24 14:10	11/14/24 12:30

- 1
- 2
- 3
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- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-042

Lab Sample ID: 160-56264-40

Date Collected: 11/07/24 11:40

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0995	U	0.0983	0.0987	1.00	0.154	pCi/L	11/18/24 09:39	12/10/24 20:15	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					11/18/24 09:39	12/10/24 20:15	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	3.98		0.725	0.812	1.00	0.607	pCi/L	11/18/24 09:42	12/05/24 13:38	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					11/18/24 09:42	12/05/24 13:38	1
Y Carrier	86.4		30 - 110					11/18/24 09:42	12/05/24 13:38	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	4.08		0.732	0.818	5.00	0.607	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-043

Lab Sample ID: 160-56264-41

Date Collected: 11/06/24 14:11

Matrix: Water

Date Received: 11/14/24 12:30

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	0.265		0.111	0.114	1.00	0.116	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110					11/18/24 09:43	12/10/24 08:11	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	1.17		0.458	0.470	1.00	0.587	pCi/L	11/18/24 09:46	12/04/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.8		30 - 110					11/18/24 09:46	12/04/24 11:49	1
Y Carrier	83.4		30 - 110					11/18/24 09:46	12/04/24 11:49	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	1.44		0.471	0.484	5.00	0.587	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-044

Lab Sample ID: 160-56264-42

Date Collected: 11/04/24 13:50

Matrix: Water

Date Received: 11/14/24 12:30

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	0.883		0.196	0.212	1.00	0.160	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.7		30 - 110					11/18/24 09:43	12/10/24 08:11	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	0.908		0.438	0.446	1.00	0.615	pCi/L	11/18/24 09:46	12/04/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.7		30 - 110					11/18/24 09:46	12/04/24 11:49	1
Y Carrier	82.6		30 - 110					11/18/24 09:46	12/04/24 11:49	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	1.79		0.480	0.494	5.00	0.615	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-045

Lab Sample ID: 160-56264-43

Date Collected: 11/04/24 13:16

Matrix: Water

Date Received: 11/14/24 12:30

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		0.0974	0.0986	1.00	0.125	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					11/18/24 09:43	12/10/24 08:11	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	1.53		0.476	0.496	1.00	0.546	pCi/L	11/18/24 09:46	12/04/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.3		30 - 110					11/18/24 09:46	12/04/24 11:49	1
Y Carrier	84.1		30 - 110					11/18/24 09:46	12/04/24 11:49	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	1.70		0.486	0.506	5.00	0.546	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-046

Lab Sample ID: 160-56264-44

Date Collected: 11/04/24 12:36

Matrix: Water

Date Received: 11/14/24 12:30

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	0.154	U	0.132	0.133	1.00	0.200	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					11/18/24 09:43	12/10/24 08:11	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	1.36		0.602	0.615	1.00	0.816	pCi/L	11/18/24 09:46	12/04/24 11:49	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.1		30 - 110					11/18/24 09:46	12/04/24 11:49	1
Y Carrier	82.2		30 - 110					11/18/24 09:46	12/04/24 11:49	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	1.51		0.616	0.629	5.00	0.816	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-047

Lab Sample ID: 160-56264-45

Date Collected: 11/06/24 10:36

Matrix: Water

Date Received: 11/14/24 12:30

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		0.0893	0.0903	1.00	0.115	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					11/18/24 09:43	12/10/24 08:11	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	1.45		0.413	0.434	1.00	0.441	pCi/L	11/18/24 09:46	12/04/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.7		30 - 110					11/18/24 09:46	12/04/24 11:50	1
Y Carrier	88.2		30 - 110					11/18/24 09:46	12/04/24 11:50	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	1.60		0.423	0.443	5.00	0.441	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-048

Lab Sample ID: 160-56264-46

Date Collected: 11/04/24 11:57

Matrix: Water

Date Received: 11/14/24 12:30

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	0.240		0.115	0.117	1.00	0.141	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110					11/18/24 09:43	12/10/24 08:11	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	-0.0910	U	0.296	0.296	1.00	0.573	pCi/L	11/18/24 09:46	12/04/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.9		30 - 110					11/18/24 09:46	12/04/24 11:50	1
Y Carrier	86.7		30 - 110					11/18/24 09:46	12/04/24 11:50	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	0.240	U	0.318	0.318	5.00	0.573	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-049

Lab Sample ID: 160-56264-47

Date Collected: 11/04/24 11:06

Matrix: Water

Date Received: 11/14/24 12:30

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	0.173	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					11/18/24 09:43	12/10/24 08:11	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	0.199	U	0.341	0.342	1.00	0.583	pCi/L	11/18/24 09:46	12/04/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					11/18/24 09:46	12/04/24 11:50	1
Y Carrier	85.6		30 - 110					11/18/24 09:46	12/04/24 11:50	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	0.309	U	0.358	0.359	5.00	0.583	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-050

Lab Sample ID: 160-56264-48

Date Collected: 11/04/24 10:40

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0874	U	0.0799	0.0803	1.00	0.120	pCi/L	11/18/24 09:43	12/10/24 08:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.0		30 - 110					11/18/24 09:43	12/10/24 08:08	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	0.963		0.471	0.479	1.00	0.651	pCi/L	11/18/24 09:46	12/04/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.0		30 - 110					11/18/24 09:46	12/04/24 11:50	1
Y Carrier	79.3		30 - 110					11/18/24 09:46	12/04/24 11:50	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	1.05		0.478	0.486	5.00	0.651	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-051

Lab Sample ID: 160-56264-49

Date Collected: 11/04/24 10:21

Matrix: Water

Date Received: 11/14/24 12:30

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	0.114	U	0.0987	0.0993	1.00	0.151	pCi/L	11/18/24 09:43	12/10/24 08:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					11/18/24 09:43	12/10/24 08:08	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	0.536	U	0.362	0.366	1.00	0.538	pCi/L	11/18/24 09:46	12/04/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					11/18/24 09:46	12/04/24 11:50	1
Y Carrier	84.1		30 - 110					11/18/24 09:46	12/04/24 11:50	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	0.650		0.375	0.379	5.00	0.538	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-052

Lab Sample ID: 160-56264-50

Date Collected: 11/04/24 12:46

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0428	U	0.0623	0.0624	1.00	0.107	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					11/18/24 09:43	12/10/24 08:11	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	0.403	U	0.336	0.338	1.00	0.523	pCi/L	11/18/24 09:46	12/04/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					11/18/24 09:46	12/04/24 11:50	1
Y Carrier	86.0		30 - 110					11/18/24 09:46	12/04/24 11:50	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	0.446	U	0.342	0.344	5.00	0.523	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-053

Lab Sample ID: 160-56264-51

Date Collected: 11/04/24 13:40

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0857	U	0.0814	0.0818	1.00	0.125	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		30 - 110					11/18/24 09:43	12/10/24 08:11	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	-0.239	U	0.295	0.296	1.00	0.635	pCi/L	11/18/24 09:46	12/04/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	81.5		30 - 110					11/18/24 09:46	12/04/24 11:51	1
Y Carrier	78.1		30 - 110					11/18/24 09:46	12/04/24 11:51	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	0.0857	U	0.306	0.307	5.00	0.635	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-054

Lab Sample ID: 160-56264-52

Date Collected: 11/06/24 09:59

Matrix: Water

Date Received: 11/14/24 12:30

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	0.289		0.134	0.136	1.00	0.146	pCi/L	11/18/24 09:43	12/10/24 10:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					11/18/24 09:43	12/10/24 10:10	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	3.54		0.751	0.819	1.00	0.689	pCi/L	11/18/24 09:46	12/04/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.3		30 - 110					11/18/24 09:46	12/04/24 11:51	1
Y Carrier	84.5		30 - 110					11/18/24 09:46	12/04/24 11:51	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	3.83		0.763	0.830	5.00	0.689	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-055

Lab Sample ID: 160-56264-53

Date Collected: 11/06/24 09:22

Matrix: Water

Date Received: 11/14/24 12:30

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	0.126		0.0846	0.0854	1.00	0.113	pCi/L	11/18/24 09:43	12/10/24 10:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					11/18/24 09:43	12/10/24 10:10	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	0.0157	U	0.278	0.278	1.00	0.520	pCi/L	11/18/24 09:46	12/04/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.8		30 - 110					11/18/24 09:46	12/04/24 11:51	1
Y Carrier	87.1		30 - 110					11/18/24 09:46	12/04/24 11:51	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	0.141	U	0.291	0.291	5.00	0.520	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-056

Lab Sample ID: 160-56264-54

Date Collected: 10/30/24 14:10

Matrix: Water

Date Received: 11/14/24 12:30

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	0.203	U	0.148	0.149	1.00	0.219	pCi/L	11/18/24 09:43	12/10/24 10:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					11/18/24 09:43	12/10/24 10:10	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	0.735		0.487	0.491	1.00	0.726	pCi/L	11/18/24 09:46	12/04/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.8		30 - 110					11/18/24 09:46	12/04/24 11:51	1
Y Carrier	86.0		30 - 110					11/18/24 09:46	12/04/24 11:51	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	0.938		0.509	0.513	5.00	0.726	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-057

Lab Sample ID: 160-56264-55

Date Collected: 11/07/24 12:55

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0185	U	0.0840	0.0840	1.00	0.159	pCi/L	11/18/24 09:43	12/10/24 10:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		30 - 110					11/18/24 09:43	12/10/24 10:10	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	0.596	U	0.406	0.410	1.00	0.609	pCi/L	11/18/24 09:46	12/04/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	80.2		30 - 110					11/18/24 09:46	12/04/24 11:51	1
Y Carrier	85.6		30 - 110					11/18/24 09:46	12/04/24 11:51	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	0.615		0.415	0.419	5.00	0.609	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-058

Lab Sample ID: 160-56264-56

Date Collected: 10/29/24 12:33

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0982	U	0.0787	0.0792	1.00	0.112	pCi/L	11/18/24 09:43	12/10/24 10:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					11/18/24 09:43	12/10/24 10:09	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	0.439	U	0.337	0.339	1.00	0.513	pCi/L	11/18/24 09:46	12/04/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	83.5		30 - 110					11/18/24 09:46	12/04/24 11:51	1
Y Carrier	87.5		30 - 110					11/18/24 09:46	12/04/24 11:51	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	0.537		0.346	0.348	5.00	0.513	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-059

Lab Sample ID: 160-56264-57

Date Collected: 10/31/24 10:53

Matrix: Water

Date Received: 11/14/24 12:30

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	0.302		0.118	0.121	1.00	0.120	pCi/L	11/18/24 09:43	12/10/24 10:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					11/18/24 09:43	12/10/24 10:09	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	0.275	U	0.340	0.341	1.00	0.563	pCi/L	11/18/24 09:46	12/04/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					11/18/24 09:46	12/04/24 11:52	1
Y Carrier	78.1		30 - 110					11/18/24 09:46	12/04/24 11:52	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	0.576		0.360	0.362	5.00	0.563	pCi/L		12/15/24 11:38	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Client Sample ID: 24101590-060

Lab Sample ID: 160-56264-58

Date Collected: 11/07/24 13:18

Matrix: Water

Date Received: 11/14/24 12:30

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	0.0733	U	0.0666	0.0670	1.00	0.0983	pCi/L	11/18/24 09:43	12/10/24 10:09	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					11/18/24 09:43	12/10/24 10:09	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	0.0374	U	0.321	0.321	1.00	0.589	pCi/L	11/18/24 09:46	12/04/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.8		30 - 110					11/18/24 09:46	12/04/24 11:56	1
Y Carrier	82.2		30 - 110					11/18/24 09:46	12/04/24 11:56	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	0.111	U	0.328	0.328	5.00	0.589	pCi/L		12/15/24 11:38	1

Client Sample ID: 24101590-061

Lab Sample ID: 160-56264-59

Date Collected: 10/30/24 14:10

Matrix: Water

Date Received: 11/14/24 12:30

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	0.325		0.140	0.143	1.00	0.151	pCi/L	11/18/24 09:43	12/10/24 10:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					11/18/24 09:43	12/10/24 10:11	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	0.170	U	0.483	0.483	1.00	0.849	pCi/L	11/18/24 09:46	12/04/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					11/18/24 09:46	12/04/24 11:56	1
Y Carrier	82.6		30 - 110					11/18/24 09:46	12/04/24 11:56	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	0.495	U	0.503	0.504	5.00	0.849	pCi/L		12/15/24 11:38	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-689149/1-A
Matrix: Water
Analysis Batch: 692927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689149

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.001743	U	0.0776	0.0776	1.00	0.154	pCi/L	11/18/24 09:39	12/10/24 20:06	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					11/18/24 09:39	12/10/24 20:06	1

Lab Sample ID: LCS 160-689149/2-A
Matrix: Water
Analysis Batch: 692927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689149

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.866		0.981	1.00	0.160	pCi/L	93	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	85.3		30 - 110							

Lab Sample ID: MB 160-689151/1-A
Matrix: Water
Analysis Batch: 692926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689151

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.01816	U	0.0595	0.0595	1.00	0.114	pCi/L	11/18/24 09:43	12/10/24 08:11	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110					11/18/24 09:43	12/10/24 08:11	1

Lab Sample ID: LCS 160-689151/2-A
Matrix: Water
Analysis Batch: 692926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689151

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.652		1.04	1.00	0.120	pCi/L	101	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	93.9		30 - 110							

Lab Sample ID: 160-56264-48 DU
Matrix: Water
Analysis Batch: 692849

Client Sample ID: 24101590-050
Prep Type: Total/NA
Prep Batch: 689151

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0874	U	0.07573	U	0.100	1.00	0.167	pCi/L	0.06	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-56264-48 DU
Matrix: Water
Analysis Batch: 692849

Client Sample ID: 24101590-050
Prep Type: Total/NA
Prep Batch: 689151

Carrier	<i>DU</i> %Yield	<i>DU</i> Qualifier	Limits
Ba Carrier	87.8		30 - 110

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-689150/1-A
Matrix: Water
Analysis Batch: 691990

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689150

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.2221	U	0.236	0.236	1.00	0.535	pCi/L	11/18/24 09:42	12/05/24 12:08	1
Carrier	<i>MB</i> %Yield	<i>MB</i> Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.4		30 - 110					11/18/24 09:42	12/05/24 12:08	1
Y Carrier	80.7		30 - 110					11/18/24 09:42	12/05/24 12:08	1

Lab Sample ID: LCS 160-689150/2-A
Matrix: Water
Analysis Batch: 691990

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689150

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.29	9.021		1.30	1.00	0.608	pCi/L	109	75 - 125
Carrier	<i>LCS</i> %Yield	<i>LCS</i> Qualifier	Limits						
Ba Carrier	85.3		30 - 110						
Y Carrier	80.4		30 - 110						

Lab Sample ID: MB 160-689152/1-A
Matrix: Water
Analysis Batch: 691855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 689152

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2650	U	0.296	0.297	1.00	0.484	pCi/L	11/18/24 09:46	12/04/24 11:49	1
Carrier	<i>MB</i> %Yield	<i>MB</i> Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.7		30 - 110					11/18/24 09:46	12/04/24 11:49	1
Y Carrier	85.2		30 - 110					11/18/24 09:46	12/04/24 11:49	1

Lab Sample ID: LCS 160-689152/2-A
Matrix: Water
Analysis Batch: 691855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689152

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.29	9.524		1.27	1.00	0.474	pCi/L	115	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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-689152/2-A
Matrix: Water
Analysis Batch: 691855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 689152

LCS LCS			
Carrier	%Yield	Qualifier	Limits
Ba Carrier	93.9		30 - 110
Y Carrier	88.2		30 - 110

Lab Sample ID: 160-56264-48 DU
Matrix: Water
Analysis Batch: 691855

Client Sample ID: 24101590-050
Prep Type: Total/NA
Prep Batch: 689152

Analyte	Sample Sample		DU DU		Total	RL	MDC	Unit	RER	Limit
	Result	Qual	Result	Qual	Uncert. (2σ+/-)					
Radium-228	0.963		1.398		0.471	1.00	0.514	pCi/L	0.46	1
DU DU										
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.8		30 - 110							
Y Carrier	83.0		30 - 110							

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEE POWER PLANT, GMF GYPSUM STACK POND

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

Job ID: 160-56264-3
SDG: 24101590

Rad

Prep Batch: 689149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-40	24101590-042	Total/NA	Water	PrecSep-21	
MB 160-689149/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-689149/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 689150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-40	24101590-042	Total/NA	Water	PrecSep_0	
MB 160-689150/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689150/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 689151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-41	24101590-043	Total/NA	Water	PrecSep-21	
160-56264-42	24101590-044	Total/NA	Water	PrecSep-21	
160-56264-43	24101590-045	Total/NA	Water	PrecSep-21	
160-56264-44	24101590-046	Total/NA	Water	PrecSep-21	
160-56264-45	24101590-047	Total/NA	Water	PrecSep-21	
160-56264-46	24101590-048	Total/NA	Water	PrecSep-21	
160-56264-47	24101590-049	Total/NA	Water	PrecSep-21	
160-56264-48	24101590-050	Total/NA	Water	PrecSep-21	
160-56264-49	24101590-051	Total/NA	Water	PrecSep-21	
160-56264-50	24101590-052	Total/NA	Water	PrecSep-21	
160-56264-51	24101590-053	Total/NA	Water	PrecSep-21	
160-56264-52	24101590-054	Total/NA	Water	PrecSep-21	
160-56264-53	24101590-055	Total/NA	Water	PrecSep-21	
160-56264-54	24101590-056	Total/NA	Water	PrecSep-21	
160-56264-55	24101590-057	Total/NA	Water	PrecSep-21	
160-56264-56	24101590-058	Total/NA	Water	PrecSep-21	
160-56264-57	24101590-059	Total/NA	Water	PrecSep-21	
160-56264-58	24101590-060	Total/NA	Water	PrecSep-21	
160-56264-59	24101590-061	Total/NA	Water	PrecSep-21	
MB 160-689151/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-689151/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-56264-48 DU	24101590-050	Total/NA	Water	PrecSep-21	

Prep Batch: 689152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-41	24101590-043	Total/NA	Water	PrecSep_0	
160-56264-42	24101590-044	Total/NA	Water	PrecSep_0	
160-56264-43	24101590-045	Total/NA	Water	PrecSep_0	
160-56264-44	24101590-046	Total/NA	Water	PrecSep_0	
160-56264-45	24101590-047	Total/NA	Water	PrecSep_0	
160-56264-46	24101590-048	Total/NA	Water	PrecSep_0	
160-56264-47	24101590-049	Total/NA	Water	PrecSep_0	
160-56264-48	24101590-050	Total/NA	Water	PrecSep_0	
160-56264-49	24101590-051	Total/NA	Water	PrecSep_0	
160-56264-50	24101590-052	Total/NA	Water	PrecSep_0	
160-56264-51	24101590-053	Total/NA	Water	PrecSep_0	
160-56264-52	24101590-054	Total/NA	Water	PrecSep_0	
160-56264-53	24101590-055	Total/NA	Water	PrecSep_0	
160-56264-54	24101590-056	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 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

Rad (Continued)

Prep Batch: 689152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-56264-55	24101590-057	Total/NA	Water	PrecSep_0	
160-56264-56	24101590-058	Total/NA	Water	PrecSep_0	
160-56264-57	24101590-059	Total/NA	Water	PrecSep_0	
160-56264-58	24101590-060	Total/NA	Water	PrecSep_0	
160-56264-59	24101590-061	Total/NA	Water	PrecSep_0	
MB 160-689152/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-689152/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-56264-48 DU	24101590-050	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

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)					
160-56264-40	24101590-042	89.9					
160-56264-41	24101590-043	86.8					
160-56264-42	24101590-044	94.7					
160-56264-43	24101590-045	88.3					
160-56264-44	24101590-046	88.1					
160-56264-45	24101590-047	98.7					
160-56264-46	24101590-048	91.9					
160-56264-47	24101590-049	90.9					
160-56264-48	24101590-050	84.0					
160-56264-48 DU	24101590-050	87.8					
160-56264-49	24101590-051	90.9					
160-56264-50	24101590-052	89.3					
160-56264-51	24101590-053	81.5					
160-56264-52	24101590-054	89.3					
160-56264-53	24101590-055	89.8					
160-56264-54	24101590-056	87.8					
160-56264-55	24101590-057	80.2					
160-56264-56	24101590-058	83.5					
160-56264-57	24101590-059	85.5					
160-56264-58	24101590-060	88.8					
160-56264-59	24101590-061	92.4					
LCS 160-689149/2-A	Lab Control Sample	85.3					
LCS 160-689151/2-A	Lab Control Sample	93.9					
MB 160-689149/1-A	Method Blank	88.4					
MB 160-689151/1-A	Method Blank	96.7					

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)				
160-56264-40	24101590-042	89.9	86.4				
160-56264-41	24101590-043	86.8	83.4				
160-56264-42	24101590-044	94.7	82.6				
160-56264-43	24101590-045	88.3	84.1				
160-56264-44	24101590-046	88.1	82.2				
160-56264-45	24101590-047	98.7	88.2				
160-56264-46	24101590-048	91.9	86.7				
160-56264-47	24101590-049	90.9	85.6				
160-56264-48	24101590-050	84.0	79.3				
160-56264-48 DU	24101590-050	87.8	83.0				
160-56264-49	24101590-051	90.9	84.1				
160-56264-50	24101590-052	89.3	86.0				
160-56264-51	24101590-053	81.5	78.1				
160-56264-52	24101590-054	89.3	84.5				
160-56264-53	24101590-055	89.8	87.1				

Eurofins St. Louis

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 4, 2024
COFFEEN POWER PLANT, GMF GYPSUM STACK POND
Job ID: 160-56264-3
SDG: 24101590

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)
160-56264-54	24101590-056	87.8	86.0
160-56264-55	24101590-057	80.2	85.6
160-56264-56	24101590-058	83.5	87.5
160-56264-57	24101590-059	85.5	78.1
160-56264-58	24101590-060	88.8	82.2
160-56264-59	24101590-061	92.4	82.6
LCS 160-689150/2-A	Lab Control Sample	85.3	80.4
LCS 160-689152/2-A	Lab Control Sample	93.9	88.2
MB 160-689150/1-A	Method Blank	88.4	80.7
MB 160-689152/1-A	Method Blank	96.7	85.2

Tracer/Carrier Legend

Ba = Ba Carrier

Y = Y Carrier

**ATTACHMENT C
COMPARISON TO BACKGROUND
QUARTER 4, 2024**

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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	E007	Antimony, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.001	0.003
G206	UA	E007	Arsenic, total	mg/L	11/18/15 - 10/31/24	25	65	CI around median	0.001	0.0110
G206	UA	E007	Barium, total	mg/L	11/18/15 - 10/31/24	25	3	CI around mean	0.0496	0.130
G206	UA	E007	Beryllium, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.001	0.001
G206	UA	E007	Boron, total	mg/L	11/18/15 - 10/31/24	32	80	CI around median	0.01	0.110
G206	UA	E007	Cadmium, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.001	0.001
G206	UA	E007	Chloride, total	mg/L	11/18/15 - 10/31/24	32	0	CB around linear reg	19.1	94.9
G206	UA	E007	Chromium, total	mg/L	11/18/15 - 10/31/24	25	81	CB around T-S line	0.00315	0.00960
G206	UA	E007	Cobalt, total	mg/L	11/18/15 - 10/31/24	25	97	CB around T-S line	0.00166	0.00370
G206	UA	E007	Fluoride, total	mg/L	11/18/15 - 10/31/24	33	9	CI around mean	0.373	0.552
G206	UA	E007	Lead, total	mg/L	11/18/15 - 10/31/24	25	94	CI around median	0.001	0.00590
G206	UA	E007	Lithium, total	mg/L	11/18/15 - 10/31/24	18	100	All ND - Last	0.003	0.02
G206	UA	E007	Mercury, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.0002	0.00110
G206	UA	E007	Molybdenum, total	mg/L	11/18/15 - 10/31/24	25	67	CI around median	0.001	0.0440
G206	UA	E007	pH (field)	SU	11/18/15 - 10/31/24	34	0	CI around median	7.1/7.2	6.8/7.4
G206	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 10/31/24	18	0	CI around mean	0.405	1.48
G206	UA	E007	Selenium, total	mg/L	11/18/15 - 10/31/24	25	84	CI around median	0.001	0.00350
G206	UA	E007	Sulfate, total	mg/L	11/18/15 - 10/31/24	32	0	CB around linear reg	134	387
G206	UA	E007	Thallium, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.002	0.001
G206	UA	E007	Total Dissolved Solids	mg/L	11/18/15 - 10/31/24	32	0	CB around T-S line	492	975
G206D	DA	E007	Antimony, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.001	0.003
G206D	DA	E007	Arsenic, total	mg/L	03/30/21 - 10/31/24	13	0	CI around mean	0.00601	0.0110
G206D	DA	E007	Barium, total	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	0.185	0.130
G206D	DA	E007	Beryllium, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.001	0.001
G206D	DA	E007	Boron, total	mg/L	03/30/21 - 10/31/24	13	0	CI around mean	0.115	0.110
G206D	DA	E007	Cadmium, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.001	0.001
G206D	DA	E007	Chloride, total	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	1.74	94.9

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
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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
G206D	DA	E007	Chromium, total	mg/L	03/30/21 - 10/31/24	13	77	CB around T-S line	-0.00395	0.00960
G206D	DA	E007	Cobalt, total	mg/L	03/30/21 - 10/31/24	13	92	CB around T-S line	0.00011	0.00370
G206D	DA	E007	Fluoride, total	mg/L	03/30/21 - 10/31/24	13	0	CI around mean	0.732	0.552
G206D	DA	E007	Lead, total	mg/L	03/30/21 - 10/31/24	13	85	CI around median	0.001	0.00590
G206D	DA	E007	Lithium, total	mg/L	03/30/21 - 10/31/24	13	92	CB around T-S line	-0.00564	0.02
G206D	DA	E007	Mercury, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.0002	0.00110
G206D	DA	E007	Molybdenum, total	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	0.00129	0.0440
G206D	DA	E007	pH (field)	SU	03/30/21 - 10/31/24	13	0	CI around mean	7.0/7.3	6.8/7.4
G206D	DA	E007	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 10/31/24	14	0	CI around mean	0.301	1.48
G206D	DA	E007	Selenium, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.001	0.00350
G206D	DA	E007	Sulfate, total	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	-94.9	387
G206D	DA	E007	Thallium, total	mg/L	03/30/21 - 10/31/24	13	100	All ND - Last	0.002	0.001
G206D	DA	E007	Total Dissolved Solids	mg/L	03/30/21 - 10/31/24	13	0	CB around linear reg	380	975
G209	UA	E007	Antimony, total	mg/L	11/18/15 - 10/31/24	25	97	CB around T-S line	0.00232	0.003
G209	UA	E007	Arsenic, total	mg/L	11/18/15 - 10/31/24	25	40	CI around median	0.0013	0.0110
G209	UA	E007	Barium, total	mg/L	11/18/15 - 10/31/24	25	0	CI around mean	0.0589	0.130
G209	UA	E007	Beryllium, total	mg/L	11/18/15 - 10/31/24	25	97	Most recent sample	0.001	0.001
G209	UA	E007	Boron, total	mg/L	11/18/15 - 10/31/24	32	60	CI around median	0.01	0.110
G209	UA	E007	Cadmium, total	mg/L	11/18/15 - 10/31/24	25	98	Most recent sample	0.001	0.001
G209	UA	E007	Chloride, total	mg/L	11/18/15 - 10/31/24	32	0	CB around T-S line	53.7	94.9
G209	UA	E007	Chromium, total	mg/L	11/18/15 - 10/31/24	25	70	CB around T-S line	0.0031	0.00960
G209	UA	E007	Cobalt, total	mg/L	11/18/15 - 10/31/24	25	89	CB around T-S line	0.00166	0.00370
G209	UA	E007	Fluoride, total	mg/L	11/18/15 - 10/31/24	33	7	CI around mean	0.393	0.552
G209	UA	E007	Lead, total	mg/L	11/18/15 - 10/31/24	25	88	CI around median	0.001	0.00590
G209	UA	E007	Lithium, total	mg/L	11/18/15 - 10/31/24	18	67	CI around median	0.0057	0.02
G209	UA	E007	Mercury, total	mg/L	11/18/15 - 10/31/24	25	97	Most recent sample	0.0002	0.00110
G209	UA	E007	Molybdenum, total	mg/L	11/18/15 - 10/31/24	25	7	CB around linear reg	0.00214	0.0440

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
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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
G209	UA	E007	pH (field)	SU	11/18/15 - 10/31/24	36	0	CB around linear reg	6.8/7.1	6.8/7.4
G209	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 10/31/24	18	0	CI around mean	0.522	1.48
G209	UA	E007	Selenium, total	mg/L	11/18/15 - 10/31/24	25	65	CI around median	0.001	0.00350
G209	UA	E007	Sulfate, total	mg/L	11/18/15 - 10/31/24	32	0	CB around T-S line	219	387
G209	UA	E007	Thallium, total	mg/L	11/18/15 - 10/31/24	25	95	CB around T-S line	0.001	0.001
G209	UA	E007	Total Dissolved Solids	mg/L	11/18/15 - 10/31/24	32	0	CI around mean	797	975
G212	UA	E007	Antimony, total	mg/L	11/18/15 - 10/31/24	25	100	All ND - Last	0.001	0.003
G212	UA	E007	Arsenic, total	mg/L	11/18/15 - 10/31/24	25	85	CI around median	0.001	0.0110
G212	UA	E007	Barium, total	mg/L	11/18/15 - 10/31/24	25	0	CI around mean	0.0494	0.130
G212	UA	E007	Beryllium, total	mg/L	11/18/15 - 10/31/24	25	97	CI around median	0.001	0.001
G212	UA	E007	Boron, total	mg/L	11/18/15 - 10/31/24	32	84	CB around T-S line	0.01	0.110
G212	UA	E007	Cadmium, total	mg/L	11/18/15 - 10/31/24	25	98	CI around median	0.001	0.001
G212	UA	E007	Chloride, total	mg/L	11/18/15 - 10/31/24	32	0	CB around linear reg	44.5	94.9
G212	UA	E007	Chromium, total	mg/L	11/18/15 - 10/31/24	25	84	CI around median	0.004	0.00960
G212	UA	E007	Cobalt, total	mg/L	11/18/15 - 10/31/24	25	97	CB around T-S line	0.00166	0.00370
G212	UA	E007	Fluoride, total	mg/L	11/18/15 - 10/31/24	32	16	CI around mean	0.305	0.552
G212	UA	E007	Lead, total	mg/L	11/18/15 - 10/31/24	25	85	CI around median	0.001	0.00590
G212	UA	E007	Lithium, total	mg/L	11/18/15 - 10/31/24	18	100	All ND - Last	0.003	0.02
G212	UA	E007	Mercury, total	mg/L	11/18/15 - 10/31/24	25	97	CI around median	0.0002	0.00110
G212	UA	E007	Molybdenum, total	mg/L	11/18/15 - 10/31/24	25	74	CI around median	0.001	0.0440
G212	UA	E007	pH (field)	SU	11/18/15 - 10/31/24	33	0	CI around mean	7.1/7.3	6.8/7.4
G212	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/18/15 - 10/31/24	18	0	CI around mean	0.43	1.48
G212	UA	E007	Selenium, total	mg/L	11/18/15 - 10/31/24	25	19	CB around T-S line	-0.0000646	0.00350
G212	UA	E007	Sulfate, total	mg/L	11/18/15 - 10/31/24	32	0	CI around mean	53.8	387
G212	UA	E007	Thallium, total	mg/L	11/18/15 - 10/31/24	25	97	CB around T-S line	0.001	0.001
G212	UA	E007	Total Dissolved Solids	mg/L	11/18/15 - 10/31/24	32	0	CB around T-S line	408	975
G213	UA	E007	Antimony, total	mg/L	10/13/20 - 10/31/24	17	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	E007	Arsenic, total	mg/L	10/13/20 - 10/31/24	17	70	CI around median	0.001	0.0110
G213	UA	E007	Barium, total	mg/L	10/13/20 - 10/31/24	17	0	CI around mean	0.0473	0.130
G213	UA	E007	Beryllium, total	mg/L	10/13/20 - 10/31/24	17	93	Most recent sample	0.001	0.001
G213	UA	E007	Boron, total	mg/L	10/13/20 - 10/31/24	17	90	CB around T-S line	0.01	0.110
G213	UA	E007	Cadmium, total	mg/L	10/13/20 - 10/31/24	17	98	Most recent sample	0.001	0.001
G213	UA	E007	Chloride, total	mg/L	10/13/20 - 10/31/24	17	0	CB around linear reg	47.1	94.9
G213	UA	E007	Chromium, total	mg/L	10/13/20 - 10/31/24	17	62	CI around median	0.0016	0.00960
G213	UA	E007	Cobalt, total	mg/L	10/13/20 - 10/31/24	17	86	CB around T-S line	0.000531	0.00370
G213	UA	E007	Fluoride, total	mg/L	10/13/20 - 10/31/24	17	14	CI around mean	0.262	0.552
G213	UA	E007	Lead, total	mg/L	10/13/20 - 10/31/24	17	70	CI around median	0.001	0.00590
G213	UA	E007	Lithium, total	mg/L	02/15/23 - 10/31/24	8	25	CI around median	0.0033	0.02
G213	UA	E007	Mercury, total	mg/L	10/13/20 - 10/31/24	17	100	All ND - Last	0.0002	0.00110
G213	UA	E007	Molybdenum, total	mg/L	10/13/20 - 10/31/24	17	84	CB around T-S line	0.001	0.0440
G213	UA	E007	pH (field)	SU	10/13/20 - 10/31/24	17	0	CI around mean	7.0/7.2	6.8/7.4
G213	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 10/31/24	8	0	CI around mean	-0.0601	1.48
G213	UA	E007	Selenium, total	mg/L	10/13/20 - 10/31/24	17	31	CI around median	0.001	0.00350
G213	UA	E007	Sulfate, total	mg/L	10/13/20 - 10/31/24	17	0	CB around linear reg	63	387
G213	UA	E007	Thallium, total	mg/L	10/13/20 - 10/31/24	17	97	CB around T-S line	0.001	0.001
G213	UA	E007	Total Dissolved Solids	mg/L	10/13/20 - 10/31/24	17	0	CI around mean	384	975
G215	UA	E007	Antimony, total	mg/L	11/24/15 - 10/31/24	25	97	CB around T-S line	0.0014	0.003
G215	UA	E007	Arsenic, total	mg/L	11/24/15 - 10/31/24	25	19	CB around T-S line	-0.00862	0.0110
G215	UA	E007	Barium, total	mg/L	11/24/15 - 10/31/24	25	0	CB around T-S line	-0.00904	0.130
G215	UA	E007	Beryllium, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.001	0.001
G215	UA	E007	Boron, total	mg/L	11/24/15 - 10/31/24	33	23	CB around linear reg	0.686	0.110
G215	UA	E007	Cadmium, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.001	0.001
G215	UA	E007	Chloride, total	mg/L	11/24/15 - 10/31/24	33	0	CB around T-S line	101	94.9
G215	UA	E007	Chromium, total	mg/L	11/24/15 - 10/31/24	25	92	CB around T-S line	0.00315	0.00960

ATTACHMENT C.
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G215	UA	E007	Cobalt, total	mg/L	11/24/15 - 10/31/24	25	92	CB around T-S line	0.00117	0.00370
G215	UA	E007	Fluoride, total	mg/L	11/24/15 - 10/31/24	33	18	CI around mean	0.312	0.552
G215	UA	E007	Lead, total	mg/L	11/24/15 - 10/31/24	25	85	CI around median	0.001	0.00590
G215	UA	E007	Lithium, total	mg/L	11/24/15 - 10/31/24	18	67	CI around median	0.0091	0.02
G215	UA	E007	Mercury, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.0002	0.00110
G215	UA	E007	Molybdenum, total	mg/L	11/24/15 - 10/31/24	25	89	CB around T-S line	0.001	0.0440
G215	UA	E007	pH (field)	SU	11/24/15 - 10/31/24	35	0	CB around linear reg	6.8/7.0	6.8/7.4
G215	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 10/31/24	18	0	CI around mean	0.423	1.48
G215	UA	E007	Selenium, total	mg/L	11/24/15 - 10/31/24	25	92	CI around median	0.001	0.00350
G215	UA	E007	Sulfate, total	mg/L	11/24/15 - 10/31/24	33	0	CB around linear reg	537	387
G215	UA	E007	Thallium, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.002	0.001
G215	UA	E007	Total Dissolved Solids	mg/L	11/24/15 - 10/31/24	33	0	CB around linear reg	1,280	975
G217	UA	E007	Antimony, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.001	0.003
G217	UA	E007	Arsenic, total	mg/L	10/14/20 - 10/31/24	17	85	CI around median	0.001	0.0110
G217	UA	E007	Barium, total	mg/L	10/14/20 - 10/31/24	17	0	CI around mean	0.0871	0.130
G217	UA	E007	Beryllium, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.001	0.001
G217	UA	E007	Boron, total	mg/L	10/14/20 - 10/31/24	17	68	CB around T-S line	0.015	0.110
G217	UA	E007	Cadmium, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.001	0.001
G217	UA	E007	Chloride, total	mg/L	10/14/20 - 10/31/24	17	0	CB around linear reg	129	94.9
G217	UA	E007	Chromium, total	mg/L	10/14/20 - 10/31/24	17	71	CB around T-S line	0.000389	0.00960
G217	UA	E007	Cobalt, total	mg/L	10/14/20 - 10/31/24	17	89	CB around T-S line	0.000529	0.00370
G217	UA	E007	Fluoride, total	mg/L	10/14/20 - 10/31/24	17	18	CI around median	0.3	0.552
G217	UA	E007	Lead, total	mg/L	10/14/20 - 10/31/24	17	90	CI around median	0.001	0.00590
G217	UA	E007	Lithium, total	mg/L	02/15/23 - 10/31/24	8	25	CI around median	0.0035	0.02
G217	UA	E007	Mercury, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.0002	0.00110
G217	UA	E007	Molybdenum, total	mg/L	10/14/20 - 10/31/24	17	90	CB around T-S line	0.001	0.0440
G217	UA	E007	pH (field)	SU	10/14/20 - 10/31/24	17	0	CI around mean	6.8/7.0	6.8/7.4

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
GMF GYPSUM STACK POND
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G217	UA	E007	Radium 226 + Radium 228, total	pCi/L	02/15/23 - 10/31/24	8	0	CI around mean	0.301	1.48
G217	UA	E007	Selenium, total	mg/L	10/14/20 - 10/31/24	17	79	Most recent sample	0.001	0.00350
G217	UA	E007	Sulfate, total	mg/L	10/14/20 - 10/31/24	17	0	CB around linear reg	465	387
G217	UA	E007	Thallium, total	mg/L	10/14/20 - 10/31/24	17	100	All ND - Last	0.002	0.001
G217	UA	E007	Total Dissolved Solids	mg/L	10/14/20 - 10/31/24	17	0	CB around linear reg	1,160	975
G218	UA	E007	Antimony, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.001	0.003
G218	UA	E007	Arsenic, total	mg/L	11/24/15 - 10/31/24	25	21	CI around geomean	0.00139	0.0110
G218	UA	E007	Barium, total	mg/L	11/24/15 - 10/31/24	25	0	CB around linear reg	0.072	0.130
G218	UA	E007	Beryllium, total	mg/L	11/24/15 - 10/31/24	25	97	CI around median	0.001	0.001
G218	UA	E007	Boron, total	mg/L	11/24/15 - 10/31/24	32	74	CB around T-S line	0.01	0.110
G218	UA	E007	Cadmium, total	mg/L	11/24/15 - 10/31/24	25	98	CI around median	0.001	0.001
G218	UA	E007	Chloride, total	mg/L	11/24/15 - 10/31/24	32	0	CB around linear reg	103	94.9
G218	UA	E007	Chromium, total	mg/L	11/24/15 - 10/31/24	25	70	CB around T-S line	0.00207	0.00960
G218	UA	E007	Cobalt, total	mg/L	11/24/15 - 10/31/24	25	86	CB around T-S line	0.00158	0.00370
G218	UA	E007	Fluoride, total	mg/L	11/24/15 - 10/31/24	33	16	CI around mean	0.314	0.552
G218	UA	E007	Lead, total	mg/L	11/24/15 - 10/31/24	25	92	CI around median	0.001	0.00590
G218	UA	E007	Lithium, total	mg/L	11/24/15 - 10/31/24	18	67	CI around median	0.0048	0.02
G218	UA	E007	Mercury, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.0002	0.00110
G218	UA	E007	Molybdenum, total	mg/L	11/24/15 - 10/31/24	25	89	CI around median	0.001	0.0440
G218	UA	E007	pH (field)	SU	11/24/15 - 10/31/24	34	0	CB around linear reg	6.8/7.0	6.8/7.4
G218	UA	E007	Radium 226 + Radium 228, total	pCi/L	11/24/15 - 10/31/24	18	0	CI around mean	0.635	1.48
G218	UA	E007	Selenium, total	mg/L	11/24/15 - 10/31/24	25	86	CI around median	0.001	0.00350
G218	UA	E007	Sulfate, total	mg/L	11/24/15 - 10/31/24	32	0	CB around linear reg	373	387
G218	UA	E007	Thallium, total	mg/L	11/24/15 - 10/31/24	25	100	All ND - Last	0.002	0.001
G218	UA	E007	Total Dissolved Solids	mg/L	11/24/15 - 10/31/24	33	0	CB around linear reg	986	975

ATTACHMENT C.
COMPARISON TO BACKGROUND - QUARTER 4, 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

Throughout this document, “exceedance” or “exceedances” is intended to refer only to potential exceedances of proposed applicable background statistics or Groundwater Protection Standards (GWPSs) as described in the proposed groundwater monitoring program which was submitted to the Illinois Environmental Protection Agency (IEPA) on October 25, 2021 as part of Illinois Power Generating Company’s (IPGC’s) operating permit application for the GMF Gypsum Stack Pond. That operating permit application, including the proposed groundwater monitoring program, remains under review by the IEPA and, therefore, IPGC has not identified any actual exceedances.

Events:

E007 = Quarter 4, 2024 sampling event

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 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

Statistical Result Code (if applicable):

NR¹ = Parameter not analyzed.

NS¹ = Well has been, or will be, abandoned; therefore, a sample was not collected.

NS² = Well either needs or was undergoing maintenance; therefore, a sample was not collected.

NS³ = The location was not accessible; therefore, a sample was not collected.

NS⁴ = The location could not be found; therefore, a sample was not collected.

NS⁵ = The location was damaged; therefore, a sample was not collected.

NS⁶ = Sampling pump could not yield a sample.

NS⁷ = Well was either dry or purged dry and did not recover sufficiently to yield adequate volume for a sample.

NS⁸ = A sample was not collected.

PM¹ = Parameter not analyzed as the well purged dry during sample collection and did not sufficiently recover to yield adequate sample volume for analysis.

For pH, the values presented are the lower / upper limits of the background determination