



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

November 12, 2024

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

Re: Coffeen Power Plant Ash Pond No. 1; IEPA ID # W1350150004-01

Dear Mr. LeCrone:

In accordance with Title 35 of the Illinois Administrative Code (35 I.A.C.) § 845.610(b)(3)(D), Illinois Power Generating Company is submitting groundwater monitoring data for the Quarter 3, 2024 sampling event at the Coffeen Power Plant Ash Pond No. 1 (AP1), identified by Illinois Environmental Protection Agency (IEPA) ID No. W1350150004-01. This data is being submitted and placed in the facility's operating record as required by 35 I.A.C. § 845.800(d)(15) within 60 days of receiving final laboratory analytical data. Results were compared with the groundwater protection standards (GWPSs) described in 35 I.A.C. § 845.600 to determine statistical exceedances of the GWPSs.

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

A Corrective Measures Assessment (CMA) for AP1 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 AP1. 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 3, 2024, Ash Pond No. 1, Coffeen Power Plant, Coffeen, Illinois

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

November 12, 2024

Samples were collected between July 30 and August 5, 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 September 13, 2024.

The monitoring well locations are included in **Figure 1. Attachment A** summarizes the groundwater elevation data for the Quarter 3, 2023 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 3, 2024 sampling event.

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

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

TABLES

Table 1	Field Parameters and Analytical Results - Quarter 3, 2024
Table 2	Comparison of Statistical Results to GWPS - Quarter 3, 2024

FIGURES

Figure 1	Monitoring Well Location Map

ATTACHMENTS

Attachment A	Groundwater Elevation Data - Quarter 3, 2024
Attachment B	Laboratory Reports and Field Data Sheets - Quarter 3, 2024
Attachment C	Comparison of Statistical Results to Background - Quarter 3, 2024

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

TABLES

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G281	Background	E006	07/30/2024	Antimony, total	0.0004 U	mg/L
G281	Background	E006	07/30/2024	Arsenic, total	0.00120	mg/L
G281	Background	E006	07/30/2024	Barium, total	0.0848	mg/L
G281	Background	E006	07/30/2024	Beryllium, total	0.0002 U	mg/L
G281	Background	E006	07/30/2024	Boron, total	0.0092 U	mg/L
G281	Background	E006	07/30/2024	Cadmium, total	0.0002 U	mg/L
G281	Background	E006	07/30/2024	Calcium, total	163	mg/L
G281	Background	E006	07/30/2024	Chloride, total	76.0	mg/L
G281	Background	E006	07/30/2024	Chromium, total	0.00360	mg/L
G281	Background	E006	07/30/2024	Cobalt, total	0.0008 J	mg/L
G281	Background	E006	07/30/2024	Dissolved Oxygen	1.14	mg/L
G281	Background	E006	07/30/2024	Fluoride, total	0.28 J	mg/L
G281	Background	E006	07/30/2024	Lead, total	0.00110	mg/L
G281	Background	E006	07/30/2024	Lithium, total	0.00700	mg/L
G281	Background	E006	07/30/2024	Mercury, total	0.00006 U	mg/L
G281	Background	E006	07/30/2024	Molybdenum, total	0.001 J	mg/L
G281	Background	E006	07/30/2024	Oxidation Reduction Potential	76.0	mV
G281	Background	E006	07/30/2024	pH (field)	7.0	SU
G281	Background	E006	07/30/2024	Radium 226 + Radium 228, total	0.667	pCi/L
G281	Background	E006	07/30/2024	Selenium, total	0.0006 U	mg/L
G281	Background	E006	07/30/2024	Specific Conductance @ 25C (field)	1,350	micromhos/cm
G281	Background	E006	07/30/2024	Sulfate, total	314	mg/L
G281	Background	E006	07/30/2024	Temperature	19.4	degrees C
G281	Background	E006	07/30/2024	Thallium, total	0.0011 J	mg/L
G281	Background	E006	07/30/2024	Total Dissolved Solids	996	mg/L
G281	Background	E006	07/30/2024	Turbidity, field	38.0	NTU
G306	Background	E006	08/01/2024	Antimony, total	0.0004 U	mg/L
G306	Background	E006	08/01/2024	Arsenic, total	0.0006 J	mg/L
G306	Background	E006	08/01/2024	Barium, total	0.0383	mg/L
G306	Background	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G306	Background	E006	08/01/2024	Boron, total	1.91	mg/L
G306	Background	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G306	Background	E006	08/01/2024	Calcium, total	92.0	mg/L
G306	Background	E006	08/01/2024	Chloride, total	3 J	mg/L
G306	Background	E006	08/01/2024	Chromium, total	0.00290	mg/L
G306	Background	E006	08/01/2024	Cobalt, total	0.0005 J	mg/L
G306	Background	E006	08/01/2024	Dissolved Oxygen	0.760	mg/L
G306	Background	E006	08/01/2024	Fluoride, total	0.14 J	mg/L
G306	Background	E006	08/01/2024	Lead, total	0.0007 J	mg/L
G306	Background	E006	08/01/2024	Lithium, total	0.00480	mg/L
G306	Background	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G306	Background	E006	08/01/2024	Molybdenum, total	0.0008 J	mg/L
G306	Background	E006	08/01/2024	Oxidation Reduction Potential	94.0	mV
G306	Background	E006	08/01/2024	pH (field)	6.3	SU
G306	Background	E006	08/01/2024	Radium 226 + Radium 228, total	0.204	pCi/L
G306	Background	E006	08/01/2024	Selenium, total	0.0006 U	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G306	Background	E006	08/01/2024	Specific Conductance @ 25C (field)	624	micromhos/cm
G306	Background	E006	08/01/2024	Sulfate, total	138	mg/L
G306	Background	E006	08/01/2024	Temperature	16.5	degrees C
G306	Background	E006	08/01/2024	Thallium, total	0.001 U	mg/L
G306	Background	E006	08/01/2024	Total Dissolved Solids	500	mg/L
G306	Background	E006	08/01/2024	Turbidity, field	210	NTU
G301	Compliance	E006	08/05/2024	Antimony, total	0.0004 U	mg/L
G301	Compliance	E006	08/05/2024	Arsenic, total	0.0004 U	mg/L
G301	Compliance	E006	08/05/2024	Barium, total	0.0136	mg/L
G301	Compliance	E006	08/05/2024	Beryllium, total	0.0002 U	mg/L
G301	Compliance	E006	08/05/2024	Boron, total	2.17	mg/L
G301	Compliance	E006	08/05/2024	Cadmium, total	0.0002 U	mg/L
G301	Compliance	E006	08/05/2024	Calcium, total	104	mg/L
G301	Compliance	E006	08/05/2024	Chloride, total	11.0	mg/L
G301	Compliance	E006	08/05/2024	Chromium, total	0.0008 J	mg/L
G301	Compliance	E006	08/05/2024	Cobalt, total	0.00120	mg/L
G301	Compliance	E006	08/05/2024	Dissolved Oxygen	0.280	mg/L
G301	Compliance	E006	08/05/2024	Fluoride, total	0.27 J	mg/L
G301	Compliance	E006	08/05/2024	Lead, total	0.0006 U	mg/L
G301	Compliance	E006	08/05/2024	Lithium, total	0.00430	mg/L
G301	Compliance	E006	08/05/2024	Mercury, total	0.00006 U	mg/L
G301	Compliance	E006	08/05/2024	Molybdenum, total	0.0006 U	mg/L
G301	Compliance	E006	08/05/2024	Oxidation Reduction Potential	-45.0	mV
G301	Compliance	E006	08/05/2024	pH (field)	6.5	SU
G301	Compliance	E006	08/05/2024	Radium 226 + Radium 228, total	0.76	pCi/L
G301	Compliance	E006	08/05/2024	Selenium, total	0.0006 U	mg/L
G301	Compliance	E006	08/05/2024	Specific Conductance @ 25C (field)	910	micromhos/cm
G301	Compliance	E006	08/05/2024	Sulfate, total	463	mg/L
G301	Compliance	E006	08/05/2024	Temperature	18.9	degrees C
G301	Compliance	E006	08/05/2024	Thallium, total	0.001 U	mg/L
G301	Compliance	E006	08/05/2024	Total Dissolved Solids	882	mg/L
G301	Compliance	E006	08/05/2024	Turbidity, field	5.20	NTU
G302	Compliance	E006	08/05/2024	Antimony, total	0.0009 J	mg/L
G302	Compliance	E006	08/05/2024	Arsenic, total	0.00100	mg/L
G302	Compliance	E006	08/05/2024	Barium, total	0.0295	mg/L
G302	Compliance	E006	08/05/2024	Beryllium, total	0.0002 U	mg/L
G302	Compliance	E006	08/05/2024	Boron, total	2.09	mg/L
G302	Compliance	E006	08/05/2024	Cadmium, total	0.0002 U	mg/L
G302	Compliance	E006	08/05/2024	Calcium, total	193	mg/L
G302	Compliance	E006	08/05/2024	Chloride, total	17.0	mg/L
G302	Compliance	E006	08/05/2024	Chromium, total	0.0007 U	mg/L
G302	Compliance	E006	08/05/2024	Cobalt, total	0.00150	mg/L
G302	Compliance	E006	08/05/2024	Dissolved Oxygen	0.500	mg/L
G302	Compliance	E006	08/05/2024	Fluoride, total	0.21 J	mg/L
G302	Compliance	E006	08/05/2024	Lead, total	0.0006 U	mg/L
G302	Compliance	E006	08/05/2024	Lithium, total	0.0136	mg/L

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COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G302	Compliance	E006	08/05/2024	Mercury, total	0.00006 U	mg/L
G302	Compliance	E006	08/05/2024	Molybdenum, total	0.001 J	mg/L
G302	Compliance	E006	08/05/2024	Oxidation Reduction Potential	-67.0	mV
G302	Compliance	E006	08/05/2024	pH (field)	6.6	SU
G302	Compliance	E006	08/05/2024	Radium 226 + Radium 228, total	0.523	pCi/L
G302	Compliance	E006	08/05/2024	Selenium, total	0.0006 U	mg/L
G302	Compliance	E006	08/05/2024	Specific Conductance @ 25C (field)	1,300	micromhos/cm
G302	Compliance	E006	08/05/2024	Sulfate, total	528	mg/L
G302	Compliance	E006	08/05/2024	Temperature	18.7	degrees C
G302	Compliance	E006	08/05/2024	Thallium, total	0.001 U	mg/L
G302	Compliance	E006	08/05/2024	Total Dissolved Solids	1,340	mg/L
G302	Compliance	E006	08/05/2024	Turbidity, field	14.0	NTU
G303	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G303	Compliance	E006	07/31/2024	Arsenic, total	0.00280	mg/L
G303	Compliance	E006	07/31/2024	Barium, total	0.0211	mg/L
G303	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G303	Compliance	E006	07/31/2024	Boron, total	2.66	mg/L
G303	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G303	Compliance	E006	07/31/2024	Calcium, total	189	mg/L
G303	Compliance	E006	07/31/2024	Chloride, total	28.0	mg/L
G303	Compliance	E006	07/31/2024	Chromium, total	0.00150 J	mg/L
G303	Compliance	E006	07/31/2024	Cobalt, total	0.00210	mg/L
G303	Compliance	E006	07/31/2024	Dissolved Oxygen	0.950	mg/L
G303	Compliance	E006	07/31/2024	Fluoride, total	0.24 J	mg/L
G303	Compliance	E006	07/31/2024	Lead, total	0.0007 J	mg/L
G303	Compliance	E006	07/31/2024	Lithium, total	0.0309	mg/L
G303	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G303	Compliance	E006	07/31/2024	Molybdenum, total	0.00220	mg/L
G303	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-37.0	mV
G303	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G303	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.494	pCi/L
G303	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G303	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,800	micromhos/cm
G303	Compliance	E006	07/31/2024	Sulfate, total	756	mg/L
G303	Compliance	E006	07/31/2024	Temperature	17.4	degrees C
G303	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G303	Compliance	E006	07/31/2024	Total Dissolved Solids	1,680	mg/L
G303	Compliance	E006	07/31/2024	Turbidity, field	60.0	NTU
G305	Compliance	E006	08/01/2024	Antimony, total	0.0004 U	mg/L
G305	Compliance	E006	08/01/2024	Arsenic, total	0.0004 U	mg/L
G305	Compliance	E006	08/01/2024	Barium, total	0.0223	mg/L
G305	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G305	Compliance	E006	08/01/2024	Boron, total	2.16	mg/L
G305	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G305	Compliance	E006	08/01/2024	Calcium, total	183	mg/L
G305	Compliance	E006	08/01/2024	Chloride, total	20.0	mg/L

TABLE 1.
FIELD PARAMETERS AND ANALYTICAL RESULTS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G305	Compliance	E006	08/01/2024	Chromium, total	0.0007 U	mg/L
G305	Compliance	E006	08/01/2024	Cobalt, total	0.0001 U	mg/L
G305	Compliance	E006	08/01/2024	Dissolved Oxygen	0.800	mg/L
G305	Compliance	E006	08/01/2024	Fluoride, total	0.47 J	mg/L
G305	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G305	Compliance	E006	08/01/2024	Lithium, total	0.00630	mg/L
G305	Compliance	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G305	Compliance	E006	08/01/2024	Molybdenum, total	0.0006 U	mg/L
G305	Compliance	E006	08/01/2024	Oxidation Reduction Potential	-52.0	mV
G305	Compliance	E006	08/01/2024	pH (field)	7.1	SU
G305	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	0.142	pCi/L
G305	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G305	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,480	micromhos/cm
G305	Compliance	E006	08/01/2024	Sulfate, total	916	mg/L
G305	Compliance	E006	08/01/2024	Temperature	18.3	degrees C
G305	Compliance	E006	08/01/2024	Thallium, total	0.001 U	mg/L
G305	Compliance	E006	08/01/2024	Total Dissolved Solids	1,480	mg/L
G305	Compliance	E006	08/01/2024	Turbidity, field	2.10	NTU
G307	Compliance	E006	08/01/2024	Antimony, total	0.0004 U	mg/L
G307	Compliance	E006	08/01/2024	Arsenic, total	0.0004 U	mg/L
G307	Compliance	E006	08/01/2024	Barium, total	0.0238	mg/L
G307	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G307	Compliance	E006	08/01/2024	Boron, total	2.13	mg/L
G307	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G307	Compliance	E006	08/01/2024	Calcium, total	151	mg/L
G307	Compliance	E006	08/01/2024	Chloride, total	11.0	mg/L
G307	Compliance	E006	08/01/2024	Chromium, total	0.0011 J	mg/L
G307	Compliance	E006	08/01/2024	Cobalt, total	0.00230	mg/L
G307	Compliance	E006	08/01/2024	Dissolved Oxygen	0.670	mg/L
G307	Compliance	E006	08/01/2024	Fluoride, total	0.35 J	mg/L
G307	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G307	Compliance	E006	08/01/2024	Lithium, total	0.00640	mg/L
G307	Compliance	E006	08/01/2024	Mercury, total	0.00012 J	mg/L
G307	Compliance	E006	08/01/2024	Molybdenum, total	0.0014 J	mg/L
G307	Compliance	E006	08/01/2024	Oxidation Reduction Potential	-103	mV
G307	Compliance	E006	08/01/2024	pH (field)	7.0	SU
G307	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	1.25	pCi/L
G307	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G307	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,000	micromhos/cm
G307	Compliance	E006	08/01/2024	Sulfate, total	489	mg/L
G307	Compliance	E006	08/01/2024	Temperature	21.2	degrees C
G307	Compliance	E006	08/01/2024	Thallium, total	0.0018 J	mg/L
G307	Compliance	E006	08/01/2024	Total Dissolved Solids	918	mg/L
G307	Compliance	E006	08/01/2024	Turbidity, field	9.30	NTU
G307D	Compliance	E006	08/01/2024	Antimony, total	0.0008 J	mg/L
G307D	Compliance	E006	08/01/2024	Arsenic, total	0.00180	mg/L

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

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G307D	Compliance	E006	08/01/2024	Barium, total	0.0183	mg/L
G307D	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G307D	Compliance	E006	08/01/2024	Boron, total	1.77	mg/L
G307D	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G307D	Compliance	E006	08/01/2024	Calcium, total	126	mg/L
G307D	Compliance	E006	08/01/2024	Chloride, total	12.0	mg/L
G307D	Compliance	E006	08/01/2024	Chromium, total	0.0007 U	mg/L
G307D	Compliance	E006	08/01/2024	Cobalt, total	0.0002 J	mg/L
G307D	Compliance	E006	08/01/2024	Dissolved Oxygen	2.32	mg/L
G307D	Compliance	E006	08/01/2024	Fluoride, total	0.47 J	mg/L
G307D	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G307D	Compliance	E006	08/01/2024	Lithium, total	0.0017 J	mg/L
G307D	Compliance	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G307D	Compliance	E006	08/01/2024	Molybdenum, total	0.00280	mg/L
G307D	Compliance	E006	08/01/2024	Oxidation Reduction Potential	-56.0	mV
G307D	Compliance	E006	08/01/2024	pH (field)	7.1	SU
G307D	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	1.72	pCi/L
G307D	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G307D	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,060	micromhos/cm
G307D	Compliance	E006	08/01/2024	Sulfate, total	571	mg/L
G307D	Compliance	E006	08/01/2024	Temperature	19.7	degrees C
G307D	Compliance	E006	08/01/2024	Thallium, total	0.0012 J	mg/L
G307D	Compliance	E006	08/01/2024	Total Dissolved Solids	954	mg/L
G307D	Compliance	E006	08/01/2024	Turbidity, field	30.0	NTU
G308	Compliance	E006	08/01/2024	Antimony, total	0.0005 J	mg/L
G308	Compliance	E006	08/01/2024	Arsenic, total	0.0004 U	mg/L
G308	Compliance	E006	08/01/2024	Barium, total	0.0165	mg/L
G308	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G308	Compliance	E006	08/01/2024	Boron, total	2.65	mg/L
G308	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G308	Compliance	E006	08/01/2024	Calcium, total	186	mg/L
G308	Compliance	E006	08/01/2024	Chloride, total	9.00	mg/L
G308	Compliance	E006	08/01/2024	Chromium, total	0.0008 J	mg/L
G308	Compliance	E006	08/01/2024	Cobalt, total	0.0002 J	mg/L
G308	Compliance	E006	08/01/2024	Dissolved Oxygen	0.310	mg/L
G308	Compliance	E006	08/01/2024	Fluoride, total	0.590	mg/L
G308	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G308	Compliance	E006	08/01/2024	Lithium, total	0.00680	mg/L
G308	Compliance	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G308	Compliance	E006	08/01/2024	Molybdenum, total	0.00190	mg/L
G308	Compliance	E006	08/01/2024	Oxidation Reduction Potential	-11.0	mV
G308	Compliance	E006	08/01/2024	pH (field)	7.0	SU
G308	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	1.18	pCi/L
G308	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G308	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,540	micromhos/cm
G308	Compliance	E006	08/01/2024	Sulfate, total	847	mg/L

TABLE 1.
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COFFEEN, IL

Well ID	Well Type	Event	Date	Parameter	Result	Unit
G308	Compliance	E006	08/01/2024	Temperature	17.8	degrees C
G308	Compliance	E006	08/01/2024	Thallium, total	0.001 U	mg/L
G308	Compliance	E006	08/01/2024	Total Dissolved Solids	1,510	mg/L
G308	Compliance	E006	08/01/2024	Turbidity, field	3.30	NTU
G310	Compliance	E006	08/01/2024	Antimony, total	0.0004 U	mg/L
G310	Compliance	E006	08/01/2024	Arsenic, total	0.0004 U	mg/L
G310	Compliance	E006	08/01/2024	Barium, total	0.0148	mg/L
G310	Compliance	E006	08/01/2024	Beryllium, total	0.0002 U	mg/L
G310	Compliance	E006	08/01/2024	Boron, total	1.94	mg/L
G310	Compliance	E006	08/01/2024	Cadmium, total	0.0002 U	mg/L
G310	Compliance	E006	08/01/2024	Calcium, total	152	mg/L
G310	Compliance	E006	08/01/2024	Chloride, total	12.0	mg/L
G310	Compliance	E006	08/01/2024	Chromium, total	0.0007 U	mg/L
G310	Compliance	E006	08/01/2024	Cobalt, total	0.00130	mg/L
G310	Compliance	E006	08/01/2024	Dissolved Oxygen	0.450	mg/L
G310	Compliance	E006	08/01/2024	Fluoride, total	0.28 J	mg/L
G310	Compliance	E006	08/01/2024	Lead, total	0.0006 U	mg/L
G310	Compliance	E006	08/01/2024	Lithium, total	0.00660	mg/L
G310	Compliance	E006	08/01/2024	Mercury, total	0.00006 U	mg/L
G310	Compliance	E006	08/01/2024	Molybdenum, total	0.0006 U	mg/L
G310	Compliance	E006	08/01/2024	Oxidation Reduction Potential	40.0	mV
G310	Compliance	E006	08/01/2024	pH (field)	6.9	SU
G310	Compliance	E006	08/01/2024	Radium 226 + Radium 228, total	0.105	pCi/L
G310	Compliance	E006	08/01/2024	Selenium, total	0.0006 U	mg/L
G310	Compliance	E006	08/01/2024	Specific Conductance @ 25C (field)	1,180	micromhos/cm
G310	Compliance	E006	08/01/2024	Sulfate, total	579	mg/L
G310	Compliance	E006	08/01/2024	Temperature	18.4	degrees C
G310	Compliance	E006	08/01/2024	Thallium, total	0.001 U	mg/L
G310	Compliance	E006	08/01/2024	Total Dissolved Solids	1,060	mg/L
G310	Compliance	E006	08/01/2024	Turbidity, field	3.40	NTU
G312	Compliance	E006	08/05/2024	Antimony, total	0.0005 J	mg/L
G312	Compliance	E006	08/05/2024	Arsenic, total	0.0005 J	mg/L
G312	Compliance	E006	08/05/2024	Barium, total	0.0265	mg/L
G312	Compliance	E006	08/05/2024	Beryllium, total	0.0002 U	mg/L
G312	Compliance	E006	08/05/2024	Boron, total	3.83	mg/L
G312	Compliance	E006	08/05/2024	Cadmium, total	0.0002 U	mg/L
G312	Compliance	E006	08/05/2024	Calcium, total	246	mg/L
G312	Compliance	E006	08/05/2024	Chloride, total	28.0	mg/L
G312	Compliance	E006	08/05/2024	Chromium, total	0.0007 U	mg/L
G312	Compliance	E006	08/05/2024	Cobalt, total	0.00290	mg/L
G312	Compliance	E006	08/05/2024	Dissolved Oxygen	0.850	mg/L
G312	Compliance	E006	08/05/2024	Fluoride, total	0.18 J	mg/L
G312	Compliance	E006	08/05/2024	Lead, total	0.0006 U	mg/L
G312	Compliance	E006	08/05/2024	Lithium, total	0.0188	mg/L
G312	Compliance	E006	08/05/2024	Mercury, total	0.00006 U	mg/L
G312	Compliance	E006	08/05/2024	Molybdenum, total	0.0006 J	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G312	Compliance	E006	08/05/2024	Oxidation Reduction Potential	22.0	mV
G312	Compliance	E006	08/05/2024	pH (field)	6.4	SU
G312	Compliance	E006	08/05/2024	Radium 226 + Radium 228, total	0.1	pCi/L
G312	Compliance	E006	08/05/2024	Selenium, total	0.0006 U	mg/L
G312	Compliance	E006	08/05/2024	Specific Conductance @ 25C (field)	1,770	micromhos/cm
G312	Compliance	E006	08/05/2024	Sulfate, total	897	mg/L
G312	Compliance	E006	08/05/2024	Temperature	18.0	degrees C
G312	Compliance	E006	08/05/2024	Thallium, total	0.001 U	mg/L
G312	Compliance	E006	08/05/2024	Total Dissolved Solids	2,010	mg/L
G312	Compliance	E006	08/05/2024	Turbidity, field	6.70	NTU
G313	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G313	Compliance	E006	07/31/2024	Arsenic, total	0.0004 J	mg/L
G313	Compliance	E006	07/31/2024	Barium, total	0.0187	mg/L
G313	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G313	Compliance	E006	07/31/2024	Boron, total	3.64	mg/L
G313	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G313	Compliance	E006	07/31/2024	Calcium, total	209	mg/L
G313	Compliance	E006	07/31/2024	Chloride, total	20.0	mg/L
G313	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G313	Compliance	E006	07/31/2024	Cobalt, total	0.0006 J	mg/L
G313	Compliance	E006	07/31/2024	Dissolved Oxygen	0.340	mg/L
G313	Compliance	E006	07/31/2024	Fluoride, total	0.27 J	mg/L
G313	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G313	Compliance	E006	07/31/2024	Lithium, total	0.0186	mg/L
G313	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G313	Compliance	E006	07/31/2024	Molybdenum, total	0.00150 J	mg/L
G313	Compliance	E006	07/31/2024	Oxidation Reduction Potential	33.0	mV
G313	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G313	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	1.43	pCi/L
G313	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G313	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,590	micromhos/cm
G313	Compliance	E006	07/31/2024	Sulfate, total	649	mg/L
G313	Compliance	E006	07/31/2024	Temperature	20.0	degrees C
G313	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G313	Compliance	E006	07/31/2024	Total Dissolved Solids	1,500	mg/L
G313	Compliance	E006	07/31/2024	Turbidity, field	9.40	NTU
G314	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G314	Compliance	E006	07/31/2024	Arsenic, total	0.0007 J	mg/L
G314	Compliance	E006	07/31/2024	Barium, total	0.0190	mg/L
G314	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G314	Compliance	E006	07/31/2024	Boron, total	0.145	mg/L
G314	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G314	Compliance	E006	07/31/2024	Calcium, total	680	mg/L
G314	Compliance	E006	07/31/2024	Chloride, total	33.0	mg/L
G314	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G314	Compliance	E006	07/31/2024	Cobalt, total	0.00410	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G314	Compliance	E006	07/31/2024	Dissolved Oxygen	0.290	mg/L
G314	Compliance	E006	07/31/2024	Fluoride, total	0.18 J	mg/L
G314	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G314	Compliance	E006	07/31/2024	Lithium, total	0.00520	mg/L
G314	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G314	Compliance	E006	07/31/2024	Molybdenum, total	0.0011 J	mg/L
G314	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-33.0	mV
G314	Compliance	E006	07/31/2024	pH (field)	6.4	SU
G314	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	1.2	pCi/L
G314	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G314	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	3,280	micromhos/cm
G314	Compliance	E006	07/31/2024	Sulfate, total	2,050	mg/L
G314	Compliance	E006	07/31/2024	Temperature	18.2	degrees C
G314	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G314	Compliance	E006	07/31/2024	Total Dissolved Solids	3,350	mg/L
G314	Compliance	E006	07/31/2024	Turbidity, field	36.0	NTU
G314D	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G314D	Compliance	E006	07/31/2024	Arsenic, total	0.00800	mg/L
G314D	Compliance	E006	07/31/2024	Barium, total	0.0330	mg/L
G314D	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G314D	Compliance	E006	07/31/2024	Boron, total	0.198	mg/L
G314D	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G314D	Compliance	E006	07/31/2024	Calcium, total	307	mg/L
G314D	Compliance	E006	07/31/2024	Chloride, total	60.0	mg/L
G314D	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G314D	Compliance	E006	07/31/2024	Cobalt, total	0.00330	mg/L
G314D	Compliance	E006	07/31/2024	Dissolved Oxygen	0.250	mg/L
G314D	Compliance	E006	07/31/2024	Fluoride, total	0.570	mg/L
G314D	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G314D	Compliance	E006	07/31/2024	Lithium, total	0.0110	mg/L
G314D	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G314D	Compliance	E006	07/31/2024	Molybdenum, total	0.00400	mg/L
G314D	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-62.0	mV
G314D	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G314D	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.885	pCi/L
G314D	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G314D	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	2,550	micromhos/cm
G314D	Compliance	E006	07/31/2024	Sulfate, total	1,180	mg/L
G314D	Compliance	E006	07/31/2024	Temperature	18.1	degrees C
G314D	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G314D	Compliance	E006	07/31/2024	Total Dissolved Solids	2,510	mg/L
G314D	Compliance	E006	07/31/2024	Turbidity, field	200	NTU
G315	Compliance	E006	07/31/2024	Antimony, total	0.0004 U	mg/L
G315	Compliance	E006	07/31/2024	Arsenic, total	0.0004 U	mg/L
G315	Compliance	E006	07/31/2024	Barium, total	0.0191	mg/L
G315	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G315	Compliance	E006	07/31/2024	Boron, total	1.44	mg/L
G315	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G315	Compliance	E006	07/31/2024	Calcium, total	141	mg/L
G315	Compliance	E006	07/31/2024	Chloride, total	13.0	mg/L
G315	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G315	Compliance	E006	07/31/2024	Cobalt, total	0.0007 J	mg/L
G315	Compliance	E006	07/31/2024	Dissolved Oxygen	0.360	mg/L
G315	Compliance	E006	07/31/2024	Fluoride, total	0.28 J	mg/L
G315	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G315	Compliance	E006	07/31/2024	Lithium, total	0.00480	mg/L
G315	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G315	Compliance	E006	07/31/2024	Molybdenum, total	0.0006 J	mg/L
G315	Compliance	E006	07/31/2024	Oxidation Reduction Potential	43.0	mV
G315	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G315	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.742	pCi/L
G315	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G315	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,120	micromhos/cm
G315	Compliance	E006	07/31/2024	Sulfate, total	513	mg/L
G315	Compliance	E006	07/31/2024	Temperature	18.7	degrees C
G315	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L
G315	Compliance	E006	07/31/2024	Total Dissolved Solids	1,650	mg/L
G315	Compliance	E006	07/31/2024	Turbidity, field	10.0	NTU
G316	Compliance	E006	07/31/2024	Antimony, total	0.00260	mg/L
G316	Compliance	E006	07/31/2024	Arsenic, total	0.00930	mg/L
G316	Compliance	E006	07/31/2024	Barium, total	0.0721	mg/L
G316	Compliance	E006	07/31/2024	Beryllium, total	0.0002 U	mg/L
G316	Compliance	E006	07/31/2024	Boron, total	0.450	mg/L
G316	Compliance	E006	07/31/2024	Cadmium, total	0.0002 U	mg/L
G316	Compliance	E006	07/31/2024	Calcium, total	212	mg/L
G316	Compliance	E006	07/31/2024	Chloride, total	26.0	mg/L
G316	Compliance	E006	07/31/2024	Chromium, total	0.0007 U	mg/L
G316	Compliance	E006	07/31/2024	Cobalt, total	0.00210	mg/L
G316	Compliance	E006	07/31/2024	Dissolved Oxygen	0.360	mg/L
G316	Compliance	E006	07/31/2024	Fluoride, total	0.27 J	mg/L
G316	Compliance	E006	07/31/2024	Lead, total	0.0006 U	mg/L
G316	Compliance	E006	07/31/2024	Lithium, total	0.0018 J	mg/L
G316	Compliance	E006	07/31/2024	Mercury, total	0.00006 U	mg/L
G316	Compliance	E006	07/31/2024	Molybdenum, total	0.00490	mg/L
G316	Compliance	E006	07/31/2024	Oxidation Reduction Potential	-106	mV
G316	Compliance	E006	07/31/2024	pH (field)	6.7	SU
G316	Compliance	E006	07/31/2024	Radium 226 + Radium 228, total	0.192	pCi/L
G316	Compliance	E006	07/31/2024	Selenium, total	0.0006 U	mg/L
G316	Compliance	E006	07/31/2024	Specific Conductance @ 25C (field)	1,740	micromhos/cm
G316	Compliance	E006	07/31/2024	Sulfate, total	696	mg/L
G316	Compliance	E006	07/31/2024	Temperature	17.3	degrees C
G316	Compliance	E006	07/31/2024	Thallium, total	0.001 U	mg/L

TABLE 1.
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Well ID	Well Type	Event	Date	Parameter	Result	Unit
G316	Compliance	E006	07/31/2024	Total Dissolved Solids	1,050	mg/L
G316	Compliance	E006	07/31/2024	Turbidity, field	6.80	NTU

Notes:
C = Celsius
cm = centimeter
mg/L = milligrams per liter
Missing Code (if applicable):
NR¹ = Select parameters were not analyzed.
NS¹ = This 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 = A sample was not collected because the location was inaccessible.
NS⁴ = The location could not be found, therefore a sample was not collected.
NS⁵ = A sample was not collected because of damage to the well.
NS⁶ = A sample was not collected because of pump issues.
NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.
PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
mV = millivolts
NTU = Nephelometric Turbidity Units
pCi/L = picocuries per liter
SU = Standard Units
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
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COFFEEN POWER PLANT
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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G301	UA	E006	Antimony, total	mg/L	11/20/15 - 08/05/24	20	90	CB around T-S line	0.00168	0.006	Standard	No Exceedance
G301	UA	E006	Arsenic, total	mg/L	11/20/15 - 08/05/24	25	68	CI around median	0.001	0.010	Standard	No Exceedance
G301	UA	E006	Barium, total	mg/L	11/20/15 - 08/05/24	25	0	CB around T-S line	-0.0135	2.0	Standard	No Exceedance
G301	UA	E006	Beryllium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G301	UA	E006	Boron, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	2.16	3.20	Background	No Exceedance
G301	UA	E006	Cadmium, total	mg/L	11/20/15 - 08/05/24	25	96	CI around median	0.001	0.005	Standard	No Exceedance
G301	UA	E006	Chloride, total	mg/L	11/20/15 - 08/05/24	26	0	CB around T-S line	6.16	200	Standard	No Exceedance
G301	UA	E006	Chromium, total	mg/L	11/20/15 - 08/05/24	25	64	CB around T-S line	0.000572	0.1	Standard	No Exceedance
G301	UA	E006	Cobalt, total	mg/L	11/20/15 - 08/05/24	25	28	CB around T-S line	0.00019	0.006	Standard	No Exceedance
G301	UA	E006	Fluoride, total	mg/L	11/20/15 - 08/05/24	26	35	CI around median	0.25	4.0	Standard	No Exceedance
G301	UA	E006	Lead, total	mg/L	11/20/15 - 08/05/24	25	52	CB around T-S line	-0.000324	0.0075	Standard	No Exceedance
G301	UA	E006	Lithium, total	mg/L	11/20/15 - 08/05/24	25	52	CI around median	0.01	0.04	Standard	No Exceedance
G301	UA	E006	Mercury, total	mg/L	11/20/15 - 08/05/24	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G301	UA	E006	Molybdenum, total	mg/L	11/20/15 - 08/05/24	25	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G301	UA	E006	pH (field)	SU	11/20/15 - 08/05/24	26	0	CB around linear reg	6.3/6.7	6.5/9.0	Standard/Standard	No Exceedance
G301	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/05/24	25	0	CI around mean	0.502	5	Standard	No Exceedance
G301	UA	E006	Selenium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G301	UA	E006	Sulfate, total	mg/L	11/20/15 - 08/05/24	26	0	CB around linear reg	453	400	Standard	Exceedance
G301	UA	E006	Thallium, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G301	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 08/05/24	26	0	CB around linear reg	862	1,200	Standard	No Exceedance
G302	UA	E006	Antimony, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G302	UA	E006	Arsenic, total	mg/L	11/20/15 - 08/05/24	25	24	CI around median	0.001	0.010	Standard	No Exceedance
G302	UA	E006	Barium, total	mg/L	11/20/15 - 08/05/24	25	0	CI around geomean	0.029	2.0	Standard	No Exceedance
G302	UA	E006	Beryllium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G302	UA	E006	Boron, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	1.69	3.20	Background	No Exceedance
G302	UA	E006	Cadmium, total	mg/L	11/20/15 - 08/05/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G302	UA	E006	Chloride, total	mg/L	11/20/15 - 08/05/24	26	4	CI around mean	12.3	200	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G302	UA	E006	Chromium, total	mg/L	11/20/15 - 08/05/24	25	68	CB around T-S line	0.00197	0.1	Standard	No Exceedance
G302	UA	E006	Cobalt, total	mg/L	11/20/15 - 08/05/24	25	24	CI around median	0.002	0.006	Standard	No Exceedance
G302	UA	E006	Fluoride, total	mg/L	11/20/15 - 08/05/24	26	35	CI around median	0.25	4.0	Standard	No Exceedance
G302	UA	E006	Lead, total	mg/L	11/20/15 - 08/05/24	25	56	CI around median	0.001	0.0075	Standard	No Exceedance
G302	UA	E006	Lithium, total	mg/L	11/20/15 - 08/05/24	25	28	CB around linear reg	0.0112	0.04	Standard	No Exceedance
G302	UA	E006	Mercury, total	mg/L	11/20/15 - 08/05/24	20	95	CI around median	0.0002	0.002	Standard	No Exceedance
G302	UA	E006	Molybdenum, total	mg/L	11/20/15 - 08/05/24	25	52	CI around median	0.001	0.1	Standard	No Exceedance
G302	UA	E006	pH (field)	SU	11/20/15 - 08/05/24	26	0	CB around linear reg	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G302	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/05/24	25	0	CI around geomean	0.381	5	Standard	No Exceedance
G302	UA	E006	Selenium, total	mg/L	11/20/15 - 08/05/24	24	96	CI around median	0.001	0.05	Standard	No Exceedance
G302	UA	E006	Sulfate, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	386	400	Standard	No Exceedance
G302	UA	E006	Thallium, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G302	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	989	1,200	Standard	No Exceedance
G303	UA	E006	Antimony, total	mg/L	11/20/15 - 07/31/24	20	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G303	UA	E006	Arsenic, total	mg/L	11/20/15 - 07/31/24	25	4	CB around T-S line	-0.00359	0.010	Standard	No Exceedance
G303	UA	E006	Barium, total	mg/L	11/20/15 - 07/31/24	25	0	CI around median	0.0156	2.0	Standard	No Exceedance
G303	UA	E006	Beryllium, total	mg/L	11/20/15 - 07/31/24	24	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G303	UA	E006	Boron, total	mg/L	11/20/15 - 07/31/24	26	0	CB around T-S line	1.78	3.20	Background	No Exceedance
G303	UA	E006	Cadmium, total	mg/L	11/20/15 - 07/31/24	25	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G303	UA	E006	Chloride, total	mg/L	11/20/15 - 07/31/24	26	0	CB around linear reg	25.4	200	Standard	No Exceedance
G303	UA	E006	Chromium, total	mg/L	11/20/15 - 07/31/24	25	84	CB around T-S line	0.00166	0.1	Standard	No Exceedance
G303	UA	E006	Cobalt, total	mg/L	11/20/15 - 07/31/24	25	28	CI around geomean	0.00162	0.006	Standard	No Exceedance
G303	UA	E006	Fluoride, total	mg/L	11/20/15 - 07/31/24	26	23	CI around median	0.268	4.0	Standard	No Exceedance
G303	UA	E006	Lead, total	mg/L	11/20/15 - 07/31/24	25	84	CI around median	0.001	0.0075	Standard	No Exceedance
G303	UA	E006	Lithium, total	mg/L	11/20/15 - 07/31/24	25	0	CB around linear reg	0.0151	0.04	Standard	No Exceedance
G303	UA	E006	Mercury, total	mg/L	11/20/15 - 07/31/24	20	90	CI around median	0.0002	0.002	Standard	No Exceedance
G303	UA	E006	Molybdenum, total	mg/L	11/20/15 - 07/31/24	25	0	CI around mean	0.00177	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G303	UA	E006	pH (field)	SU	11/20/15 - 07/31/24	26	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G303	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 07/31/24	25	0	CI around geomean	0.499	5	Standard	No Exceedance
G303	UA	E006	Selenium, total	mg/L	11/20/15 - 07/31/24	24	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G303	UA	E006	Sulfate, total	mg/L	11/20/15 - 07/31/24	26	0	CB around linear reg	605	400	Standard	Exceedance
G303	UA	E006	Thallium, total	mg/L	11/20/15 - 07/31/24	20	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G303	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 07/31/24	26	0	CI around mean	1,530	1,200	Standard	Exceedance
G305	UA	E006	Antimony, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G305	UA	E006	Arsenic, total	mg/L	05/19/16 - 08/01/24	12	67	CI around median	0.001	0.010	Standard	No Exceedance
G305	UA	E006	Barium, total	mg/L	05/19/16 - 08/01/24	12	0	CB around T-S line	-0.0338	2.0	Standard	No Exceedance
G305	UA	E006	Beryllium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G305	UA	E006	Boron, total	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	2.09	3.20	Background	No Exceedance
G305	UA	E006	Cadmium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G305	UA	E006	Chloride, total	mg/L	05/19/16 - 08/01/24	12	0	CI around geomean	19.2	200	Standard	No Exceedance
G305	UA	E006	Chromium, total	mg/L	05/19/16 - 08/01/24	12	58	CB around T-S line	-0.0205	0.1	Standard	No Exceedance
G305	UA	E006	Cobalt, total	mg/L	05/19/16 - 08/01/24	12	75	CB around T-S line	-0.00239	0.006	Standard	No Exceedance
G305	UA	E006	Fluoride, total	mg/L	05/19/16 - 08/01/24	12	8	CI around mean	0.35	4.0	Standard	No Exceedance
G305	UA	E006	Lead, total	mg/L	05/19/16 - 08/01/24	12	33	CI around median	0.001	0.0075	Standard	No Exceedance
G305	UA	E006	Lithium, total	mg/L	05/19/16 - 08/01/24	12	33	CB around T-S line	-0.0022	0.04	Standard	No Exceedance
G305	UA	E006	Mercury, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G305	UA	E006	Molybdenum, total	mg/L	05/19/16 - 08/01/24	12	58	CI around median	0.001	0.1	Standard	No Exceedance
G305	UA	E006	pH (field)	SU	05/19/16 - 08/01/24	12	0	CI around mean	7.0/7.3	6.5/9.0	Standard/Standard	No Exceedance
G305	UA	E006	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 08/01/24	12	0	CI around geomean	0.29	5	Standard	No Exceedance
G305	UA	E006	Selenium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G305	UA	E006	Sulfate, total	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	814	400	Standard	Exceedance
G305	UA	E006	Thallium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G305	UA	E006	Total Dissolved Solids	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	1,380	1,200	Standard	Exceedance
G307	UA	E006	Antimony, total	mg/L	08/16/16 - 08/01/24	16	100	All ND - Last	0.001	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307	UA	E006	Arsenic, total	mg/L	08/16/16 - 08/01/24	21	57	CI around median	0.001	0.010	Standard	No Exceedance
G307	UA	E006	Barium, total	mg/L	08/16/16 - 08/01/24	21	0	CI around geomean	0.0304	2.0	Standard	No Exceedance
G307	UA	E006	Beryllium, total	mg/L	08/16/16 - 08/01/24	20	95	CI around median	0.001	0.004	Standard	No Exceedance
G307	UA	E006	Boron, total	mg/L	08/16/16 - 08/01/24	22	0	CI around mean	2.01	3.20	Background	No Exceedance
G307	UA	E006	Cadmium, total	mg/L	08/16/16 - 08/01/24	21	57	CI around median	0.001	0.005	Standard	No Exceedance
G307	UA	E006	Chloride, total	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	7.75	200	Standard	No Exceedance
G307	UA	E006	Chromium, total	mg/L	08/16/16 - 08/01/24	21	48	CI around geomean	0.00188	0.1	Standard	No Exceedance
G307	UA	E006	Cobalt, total	mg/L	08/16/16 - 08/01/24	22	0	CI around median	0.0026	0.006	Standard	No Exceedance
G307	UA	E006	Fluoride, total	mg/L	08/16/16 - 08/01/24	22	9	CI around median	0.299	4.0	Standard	No Exceedance
G307	UA	E006	Lead, total	mg/L	08/16/16 - 08/01/24	21	43	CI around median	0.001	0.0075	Standard	No Exceedance
G307	UA	E006	Lithium, total	mg/L	08/16/16 - 08/01/24	21	43	CI around median	0.012	0.04	Standard	No Exceedance
G307	UA	E006	Mercury, total	mg/L	08/16/16 - 08/01/24	16	88	CI around median	0.0002	0.002	Standard	No Exceedance
G307	UA	E006	Molybdenum, total	mg/L	08/16/16 - 08/01/24	21	19	CI around median	0.0013	0.1	Standard	No Exceedance
G307	UA	E006	pH (field)	SU	08/16/16 - 08/01/24	23	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G307	UA	E006	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 08/01/24	21	0	CI around mean	0.598	5	Standard	No Exceedance
G307	UA	E006	Selenium, total	mg/L	08/16/16 - 08/01/24	20	85	CI around median	0.001	0.05	Standard	No Exceedance
G307	UA	E006	Sulfate, total	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	390	400	Standard	No Exceedance
G307	UA	E006	Thallium, total	mg/L	08/16/16 - 08/01/24	16	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307	UA	E006	Total Dissolved Solids	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	863	1,200	Standard	No Exceedance
G307D	LCU	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	0.000368	0.006	Standard	No Exceedance
G307D	LCU	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	12	17	CI around median	0.001	0.010	Standard	No Exceedance
G307D	LCU	E006	Barium, total	mg/L	03/29/21 - 08/01/24	12	0	CB around T-S line	-0.0277	2.0	Standard	No Exceedance
G307D	LCU	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G307D	LCU	E006	Boron, total	mg/L	03/29/21 - 08/01/24	12	0	CI around mean	1.27	3.20	Background	No Exceedance
G307D	LCU	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G307D	LCU	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	6.13	200	Standard	No Exceedance
G307D	LCU	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G307D	LCU	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	0.000676	0.006	Standard	No Exceedance
G307D	LCU	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	11	9	CI around mean	0.44	4.0	Standard	No Exceedance
G307D	LCU	E006	Lead, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G307D	LCU	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	-0.0027	0.04	Standard	No Exceedance
G307D	LCU	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	12	92	CI around median	0.0002	0.002	Standard	No Exceedance
G307D	LCU	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	12	0	CI around mean	0.00505	0.1	Standard	No Exceedance
G307D	LCU	E006	pH (field)	SU	03/29/21 - 08/01/24	12	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance
G307D	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	13	0	CI around geomean	0.255	5	Standard	No Exceedance
G307D	LCU	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G307D	LCU	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	482	400	Standard	Exceedance
G307D	LCU	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G307D	LCU	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	880	1,200	Standard	No Exceedance
G308	UA	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	15	93	CB around T-S line	0.000351	0.006	Standard	No Exceedance
G308	UA	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	15	87	CI around median	0.001	0.010	Standard	No Exceedance
G308	UA	E006	Barium, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	0.0197	2.0	Standard	No Exceedance
G308	UA	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G308	UA	E006	Boron, total	mg/L	03/29/21 - 08/01/24	15	0	CI around geomean	2.46	3.20	Background	No Exceedance
G308	UA	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G308	UA	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	15	7	CB around T-S line	5.31	200	Standard	No Exceedance
G308	UA	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	15	93	CB around T-S line	0.000715	0.1	Standard	No Exceedance
G308	UA	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G308	UA	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	15	7	CI around median	0.481	4.0	Standard	No Exceedance
G308	UA	E006	Lead, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G308	UA	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.00355	0.04	Standard	No Exceedance
G308	UA	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.0002	0.002	Standard	No Exceedance
G308	UA	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	15	13	CI around mean	0.00113	0.1	Standard	No Exceedance
G308	UA	E006	pH (field)	SU	03/29/21 - 08/01/24	15	0	CI around mean	7.1/7.3	6.5/9.0	Standard/Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G308	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	14	0	CI around median	0.0476	5	Standard	No Exceedance
G308	UA	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.001	0.05	Standard	No Exceedance
G308	UA	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	804	400	Standard	Exceedance
G308	UA	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G308	UA	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	1,440	1,200	Standard	Exceedance
G310	UA	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G310	UA	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.001	0.010	Standard	No Exceedance
G310	UA	E006	Barium, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	0.0148	2.0	Standard	No Exceedance
G310	UA	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G310	UA	E006	Boron, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	1.73	3.20	Background	No Exceedance
G310	UA	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G310	UA	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	8.5	200	Standard	No Exceedance
G310	UA	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.000986	0.006	Standard	No Exceedance
G310	UA	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	15	20	CI around geomean	0.268	4.0	Standard	No Exceedance
G310	UA	E006	Lead, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G310	UA	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.00208	0.04	Standard	No Exceedance
G310	UA	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.0002	0.002	Standard	No Exceedance
G310	UA	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G310	UA	E006	pH (field)	SU	03/29/21 - 08/01/24	15	0	CI around mean	7.0/7.2	6.5/9.0	Standard/Standard	No Exceedance
G310	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	14	0	CI around median	0.0501	5	Standard	No Exceedance
G310	UA	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G310	UA	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	15	0	CB around T-S line	-1,100	400	Standard	No Exceedance
G310	UA	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G310	UA	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	851	1,200	Standard	No Exceedance
G312	UA	E006	Antimony, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G312	UA	E006	Arsenic, total	mg/L	03/30/21 - 08/05/24	13	92	CI around median	0.001	0.010	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G312	UA	E006	Barium, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	0.0248	2.0	Standard	No Exceedance
G312	UA	E006	Beryllium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G312	UA	E006	Boron, total	mg/L	03/30/21 - 08/05/24	13	0	CB around linear reg	2.31	3.20	Background	No Exceedance
G312	UA	E006	Cadmium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G312	UA	E006	Chloride, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	22.6	200	Standard	No Exceedance
G312	UA	E006	Chromium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G312	UA	E006	Cobalt, total	mg/L	03/30/21 - 08/05/24	13	23	CI around mean	0.00189	0.006	Standard	No Exceedance
G312	UA	E006	Fluoride, total	mg/L	03/30/21 - 08/05/24	13	69	CI around median	0.22	4.0	Standard	No Exceedance
G312	UA	E006	Lead, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G312	UA	E006	Lithium, total	mg/L	03/30/21 - 08/05/24	13	54	CI around median	0.0188	0.04	Standard	No Exceedance
G312	UA	E006	Mercury, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G312	UA	E006	Molybdenum, total	mg/L	03/30/21 - 08/05/24	13	92	CI around median	0.001	0.1	Standard	No Exceedance
G312	UA	E006	pH (field)	SU	03/30/21 - 08/05/24	13	0	CI around mean	6.3/6.5	6.5/9.0	Standard/Standard	No Exceedance
G312	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/05/24	12	0	CI around mean	0.228	5	Standard	No Exceedance
G312	UA	E006	Selenium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G312	UA	E006	Sulfate, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	758	400	Standard	Exceedance
G312	UA	E006	Thallium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G312	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 08/05/24	13	0	CB around linear reg	1,600	1,200	Standard	Exceedance
G313	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G313	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.010	Standard	No Exceedance
G313	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.0147	2.0	Standard	No Exceedance
G313	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G313	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	3.3	3.20	Background	Exceedance
G313	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G313	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	7	CB around T-S line	16.7	200	Standard	No Exceedance
G313	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G313	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	80	CB around T-S line	0.000561	0.006	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G313	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	13	CI around mean	0.244	4.0	Standard	No Exceedance
G313	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.0075	Standard	No Exceedance
G313	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	33	CI around median	0.0192	0.04	Standard	No Exceedance
G313	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G313	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	27	CI around geomean	0.00103	0.1	Standard	No Exceedance
G313	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G313	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around mean	0.282	5	Standard	No Exceedance
G313	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G313	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-88.2	400	Standard	No Exceedance
G313	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G313	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	1,280	1,200	Standard	Exceedance
G314	LCU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	93	CB around T-S line	0.000407	0.006	Standard	No Exceedance
G314	LCU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	73	CI around median	0.001	0.010	Standard	No Exceedance
G314	LCU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-0.0179	2.0	Standard	No Exceedance
G314	LCU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314	LCU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around geomean	0.138	3.20	Background	No Exceedance
G314	LCU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314	LCU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	31	200	Standard	No Exceedance
G314	LCU	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	80	CI around median	0.0015	0.1	Standard	No Exceedance
G314	LCU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	7	CI around mean	0.00314	0.006	Standard	No Exceedance
G314	LCU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	73	CI around median	0.22	4.0	Standard	No Exceedance
G314	LCU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.0075	Standard	No Exceedance
G314	LCU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	67	CB around T-S line	0.00133	0.04	Standard	No Exceedance
G314	LCU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314	LCU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	13	CB around linear reg	-0.00362	0.1	Standard	No Exceedance
G314	LCU	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.5/6.8	6.5/9.0	Standard/Standard	No Exceedance
G314	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.545	5	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G314	LCU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.05	Standard	No Exceedance
G314	LCU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	2,000	400	Standard	Exceedance
G314	LCU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314	LCU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around median	3,400	1,200	Standard	Exceedance
G314D	DA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G314D	DA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	12	42	CI around median	0.001	0.010	Standard	No Exceedance
G314D	DA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	12	0	CB around T-S line	0.0207	2.0	Standard	No Exceedance
G314D	DA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G314D	DA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	12	0	CI around mean	0.157	3.20	Background	No Exceedance
G314D	DA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G314D	DA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	11	0	CB around linear reg	-0.301	200	Standard	No Exceedance
G314D	DA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G314D	DA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	12	58	CI around median	0.002	0.006	Standard	No Exceedance
G314D	DA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	11	0	CB around linear reg	0.356	4.0	Standard	No Exceedance
G314D	DA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	12	83	CI around median	0.001	0.0075	Standard	No Exceedance
G314D	DA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	12	33	CB around linear reg	0.00943	0.04	Standard	No Exceedance
G314D	DA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G314D	DA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	12	0	CB around linear reg	-0.00607	0.1	Standard	No Exceedance
G314D	DA	E006	pH (field)	SU	03/30/21 - 07/31/24	12	0	CB around linear reg	6.6/6.9	6.5/9.0	Standard/Standard	No Exceedance
G314D	DA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	12	0	CI around geomean	1.26	5	Standard	No Exceedance
G314D	DA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G314D	DA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	11	0	CI around mean	871	400	Standard	Exceedance
G314D	DA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G314D	DA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	11	0	CI around median	1,800	1,200	Standard	Exceedance
G315	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.006	Standard	No Exceedance
G315	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.010	Standard	No Exceedance
G315	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	0.00267	2.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G315	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G315	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	1.2	3.20	Background	No Exceedance
G315	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G315	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-40.4	200	Standard	No Exceedance
G315	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	93	CB around T-S line	0.000774	0.006	Standard	No Exceedance
G315	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	7	CI around median	0.253	4.0	Standard	No Exceedance
G315	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	93	CI around median	0.001	0.0075	Standard	No Exceedance
G315	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	67	CB around T-S line	0.00153	0.04	Standard	No Exceedance
G315	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G315	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G315	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.7/6.9	6.5/9.0	Standard/Standard	No Exceedance
G315	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around mean	0.169	5	Standard	No Exceedance
G315	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G315	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	302	400	Standard	No Exceedance
G315	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G315	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around mean	1,090	1,200	Standard	No Exceedance
G316	LCU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	87	CB around T-S line	0.000493	0.006	Standard	No Exceedance
G316	LCU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00758	0.010	Standard	No Exceedance
G316	LCU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.0672	2.0	Standard	No Exceedance
G316	LCU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.004	Standard	No Exceedance
G316	LCU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around mean	0.374	3.20	Background	No Exceedance
G316	LCU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.005	Standard	No Exceedance
G316	LCU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	24	200	Standard	No Exceedance
G316	LCU	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.1	Standard	No Exceedance
G316	LCU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00207	0.006	Standard	No Exceedance
G316	LCU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	47	CI around median	0.25	4.0	Standard	No Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	GWPS	GWPS Source	Compliance Result
G316	LCU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	93	CI around median	0.001	0.0075	Standard	No Exceedance
G316	LCU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.003	0.04	Standard	No Exceedance
G316	LCU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.002	Standard	No Exceedance
G316	LCU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00408	0.1	Standard	No Exceedance
G316	LCU	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.9/7.1	6.5/9.0	Standard/Standard	No Exceedance
G316	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.339	5	Standard	No Exceedance
G316	LCU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.05	Standard	No Exceedance
G316	LCU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	662	400	Standard	Exceedance
G316	LCU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.002	Standard	No Exceedance
G316	LCU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around median	1,470	1,200	Standard	Exceedance

TABLE 2.
COMPARISON OF STATISTICAL RESULTS TO GWPS - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Notes:

Compliance Result:

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

Exceedance: The statistical result exceeded the GWPS.

HSU = hydrostratigraphic unit:

DA = Deep Aquifer

LCU = Lower Confining Unit

UA = Uppermost Aquifer

mg/L = milligrams per liter

Missing Code (if applicable):

NR¹ = Select parameters were not analyzed.

NS¹ = This 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 = A sample was not collected because the location was inaccessible.

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

NS⁵ = A sample was not collected because of damage to the well.

NS⁶ = A sample was not collected because of pump issues.

NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.

PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.

ND = non-detect

pCi/L = picocuries per liter

SU = standard units

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

Statistical Calculation = method used to calculate the statistical result:

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

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

CB around linear reg = Confidence band around linear regression

CI around geomean = Confidence interval around the geometric mean

CI around mean = Confidence interval around the mean

CI around median = Confidence interval around the median

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

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

GWPS = Groundwater Protection Standard

GWPS Source:

Background = background concentration

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

FIGURES



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

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

0 200 400 Feet

MONITORING WELL LOCATION MAP

ASH POND NO. 1
COFFEEN POWER PLANT
COFFEEN, ILLINOIS

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.



ATTACHMENTS

**ATTACHMENT A
GROUNDWATER ELEVATION DATA
QUARTER 3, 2024**

ATTACHMENT A.
GROUNDWATER ELEVATION DATA - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	Well Type	Date	Depth to Groundwater (feet BMP)	Groundwater Elevation (feet NAVD88)
G281	Background	07/30/2024	6.21	620.22
G301	Compliance	07/30/2024	7.91	614.65
G302	Compliance	07/30/2024	11.83	608.12
G303	Compliance	07/30/2024	7.24	614.69
G305	Compliance	07/30/2024	8.53	617.31
G306	Background	07/30/2024	8.03	618.05
G307	Compliance	07/29/2024	0.89	623.71
G307D	Compliance	07/30/2024	6.81	618.24
G308	Compliance	07/30/2024	5.43	619.33
G310	Compliance	07/30/2024	9.73	613.15
G312	Compliance	07/30/2024	13.67	606.28
G313	Compliance	07/30/2024	2.92	611.38
G314	Compliance	07/30/2024	4.51	609.54
G314D	Compliance	07/30/2024	6.89	606.82
G315	Compliance	07/30/2024	2.88	620.81
G316	Compliance	07/29/2024	11.85	590.74
XSG-01	Water Level	07/30/2024	6.33	629.18
SG-02	Water Level	07/30/2024	7.13	598.91
SG-03	Water Level	07/30/2024	8.69	577.24

Notes:
BMP = below measuring point
Missing 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 was not measured due to malfunctioning pressure transducer.
NAVD88 = North American Vertical Datum of 1988

**ATTACHMENT B
LABORATORY REPORTS AND FIELD DATA SHEETS
QUARTER 3, 2024**

September 13, 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-24Q3

WorkOrder: 24071451

Dear Eric Bauer:

TEKLAB, INC received 21 samples for COF_845_101 on 8/7/2024 5:27:00 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: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-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	45
Quality Control Results	46
Receiving Check List	202
Chain of Custody	Appended

Definitions

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-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: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-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: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

Cooler Receipt Temp: 5.9 °C

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

SG-02, SG-03, and XSG-01 collection date/times per SAR-4 file. EAH 8/7/24

Equipment Blank 1 was not needed. EAH 8/12/24

Per Eric Bauer's request, only COF_845_101 data is included in this report. EAH 9/13/24

Locations

Collinsville

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

Collinsville Air

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

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

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

Kansas City

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

Accreditations

<http://www.teklabinc.com/>**Client:** Ramboll**Work Order:** 24071451**Client Project:** COF-24Q3**Report Date:** 13-Sep-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 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-056

Client Sample ID: G281

Matrix: GROUNDWATER

Collection Date: 07/30/2024 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.21	ft	1	07/30/2024 10:13	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		38	NTU	1	07/30/2024 10:13	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		76	mV	1	07/30/2024 10:13	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1350	µS/cm	1	07/30/2024 10:13	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		19.4	°C	1	07/30/2024 10:13	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		1.14	mg/L	1	07/30/2024 10:13	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.98		1	07/30/2024 10:13	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		387	mg/L	1	07/31/2024 11:34	R351090
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	07/31/2024 11:34	R351090
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		996	mg/L	1	08/01/2024 12:51	R351152
SW-846 9036 (TOTAL)									
Sulfate	NELAP	61	100		314	mg/L	10	08/15/2024 10:26	R351845
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.28	mg/L	10	08/13/2024 22:46	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		76	mg/L	5	08/13/2024 17:44	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		163	mg/L	1	08/05/2024 16:29	226459
Magnesium	NELAP	0.006	0.050		71.4	mg/L	1	08/05/2024 16:29	226459
Potassium	NELAP	0.040	0.100		1.05	mg/L	1	08/05/2024 16:29	226459
Sodium	NELAP	0.018	0.050		111	mg/L	1	08/05/2024 16:29	226459
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 22:00	226738
Arsenic	NELAP	0.4	1.0		1.2	µg/L	5	08/01/2024 12:55	226459
Barium	NELAP	0.7	1.0		84.8	µg/L	5	08/01/2024 12:55	226459
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/01/2024 12:55	226459
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	08/05/2024 16:41	226459
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/01/2024 12:55	226459
Chromium	NELAP	0.7	1.5		3.6	µg/L	5	08/01/2024 12:55	226459
Cobalt	NELAP	0.1	1.0	J	0.8	µg/L	5	08/01/2024 12:55	226459
Lead	NELAP	0.6	1.0		1.1	µg/L	5	08/01/2024 12:55	226459
Lithium	*	1.4	3.0		7.0	µg/L	5	08/01/2024 12:55	226459
Molybdenum	NELAP	0.6	1.5	J	1.0	µg/L	5	08/05/2024 16:41	226459
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/01/2024 12:55	226459
Thallium	NELAP	1.0	2.0	J	1.1	µg/L	5	08/01/2024 12:55	226459



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-056

Client Sample ID: G281

Matrix: GROUNDWATER

Collection Date: 07/30/2024 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/02/2024 16:29	226518



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-060

Client Sample ID: G301

Matrix: GROUNDWATER

Collection Date: 08/05/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.03	ft	1	08/05/2024 10:36	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.2	NTU	1	08/05/2024 10:36	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-45	mV	1	08/05/2024 10:36	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		910	µS/cm	1	08/05/2024 10:36	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.9	°C	1	08/05/2024 10:36	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.28	mg/L	1	08/05/2024 10:36	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.47		1	08/05/2024 10:36	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		159	mg/L	1	08/06/2024 11:37	R351315
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/06/2024 11:37	R351315
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		882	mg/L	1	08/08/2024 11:20	R351496
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		463	mg/L	20	08/13/2024 17:51	R351696
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.27	mg/L	10	08/08/2024 4:57	R351389
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		11	mg/L	1	08/13/2024 17:46	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		104	mg/L	1	08/07/2024 18:11	226738
Magnesium	NELAP	0.006	0.050		41.9	mg/L	1	08/08/2024 17:47	226738
Potassium	NELAP	0.040	0.100		1.79	mg/L	1	08/07/2024 18:11	226738
Sodium	NELAP	0.018	0.050		114	mg/L	1	08/07/2024 18:11	226738
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 22:06	226738
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 22:06	226738
Barium	NELAP	0.7	1.0		13.6	µg/L	5	08/08/2024 22:06	226738
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/08/2024 22:06	226738
Boron	NELAP	9.2	20.0		2170	µg/L	5	08/09/2024 17:55	226738
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/08/2024 22:06	226738
Chromium	NELAP	0.7	1.5	J	0.8	µg/L	5	08/08/2024 22:06	226738
Cobalt	NELAP	0.1	1.0		1.2	µg/L	5	08/09/2024 17:55	226738
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/08/2024 22:06	226738
Lithium	*	1.4	3.0		4.3	µg/L	5	08/09/2024 17:55	226738
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	08/09/2024 17:55	226738
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/08/2024 22:06	226738
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/08/2024 22:06	226738



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-060

Client Sample ID: G301

Matrix: GROUNDWATER

Collection Date: 08/05/2024 10:36

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	08/08/2024 10:06	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-061
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: G302
Collection Date: 08/05/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.96	ft	1	08/05/2024 11:43	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		14	NTU	1	08/05/2024 11:43	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-67	mV	1	08/05/2024 11:43	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1300	µS/cm	1	08/05/2024 11:43	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.7	°C	1	08/05/2024 11:43	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.50	mg/L	1	08/05/2024 11:43	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.63		1	08/05/2024 11:43	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		452	mg/L	1	08/06/2024 11:42	R351315
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/06/2024 11:42	R351315
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1340	mg/L	1	08/08/2024 11:20	R351496
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		528	mg/L	20	08/13/2024 17:59	R351696
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.21	mg/L	10	08/08/2024 5:09	R351389
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		17	mg/L	1	08/13/2024 17:54	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		193	mg/L	1	08/08/2024 14:21	226774
Magnesium	NELAP	0.006	0.050		79.5	mg/L	1	08/08/2024 14:21	226774
Potassium	NELAP	0.040	0.100		0.657	mg/L	1	08/08/2024 14:21	226774
Sodium	NELAP	0.018	0.050		126	mg/L	1	08/08/2024 14:21	226774
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.9	µg/L	5	08/12/2024 19:01	226774
Arsenic	NELAP	0.4	1.0		1.0	µg/L	5	08/09/2024 15:28	226774
Barium	NELAP	0.7	1.0		29.5	µg/L	5	08/09/2024 15:28	226774
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/09/2024 15:28	226774
Boron	NELAP	9.2	20.0		2090	µg/L	5	08/09/2024 15:28	226774
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/09/2024 15:28	226774
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/09/2024 15:28	226774
Cobalt	NELAP	0.1	1.0		1.5	µg/L	5	08/09/2024 15:28	226774
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/09/2024 15:28	226774
Lithium	*	1.4	3.0		13.6	µg/L	5	08/12/2024 19:01	226774
Molybdenum	NELAP	0.6	1.5	J	1.0	µg/L	5	08/09/2024 15:28	226774
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/09/2024 15:28	226774
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/09/2024 15:28	226774



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-061

Client Sample ID: G302

Matrix: GROUNDWATER

Collection Date: 08/05/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/08/2024 10:09	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-062

Client Sample ID: G303

Matrix: GROUNDWATER

Collection Date: 07/31/2024 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.81	ft	1	07/31/2024 13:49	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		60	NTU	1	07/31/2024 13:49	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-37	mV	1	07/31/2024 13:49	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1800	µS/cm	1	07/31/2024 13:49	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.4	°C	1	07/31/2024 13:49	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.95	mg/L	1	07/31/2024 13:49	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.73		1	07/31/2024 13:49	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		643	mg/L	1	08/01/2024 10:54	R351100
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/01/2024 10:54	R351100
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1680	mg/L	1	08/05/2024 9:32	R351309
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		756	mg/L	20	08/12/2024 18:34	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.24	mg/L	10	08/13/2024 19:39	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		28	mg/L	1	08/12/2024 18:28	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		189	mg/L	1	08/05/2024 17:58	226542
Magnesium	NELAP	0.006	0.050		153	mg/L	1	08/05/2024 17:58	226542
Potassium	NELAP	0.040	0.100		2.57	mg/L	1	08/05/2024 17:58	226542
Sodium	NELAP	0.018	0.050		179	mg/L	1	08/05/2024 17:58	226542
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 14:40	226542
Arsenic	NELAP	0.4	1.0		2.8	µg/L	5	08/05/2024 12:10	226542
Barium	NELAP	0.7	1.0		21.1	µg/L	5	08/05/2024 12:10	226542
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:10	226542
Boron	NELAP	9.2	20.0		2660	µg/L	5	08/05/2024 12:10	226542
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:10	226542
Chromium	NELAP	0.7	1.5	J	1.5	µg/L	5	08/05/2024 12:10	226542
Cobalt	NELAP	0.1	1.0		2.1	µg/L	5	08/05/2024 12:10	226542
Lead	NELAP	0.6	1.0	J	0.7	µg/L	5	08/05/2024 12:10	226542
Lithium	*	1.4	3.0		30.9	µg/L	5	08/08/2024 14:40	226542
Molybdenum	NELAP	0.6	1.5		2.2	µg/L	5	08/05/2024 12:10	226542
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:10	226542
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/05/2024 12:10	226542



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-062
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: G303
Collection Date: 07/31/2024 13:49

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	08/05/2024 9:52	226541



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-063

Client Sample ID: G305

Matrix: GROUNDWATER

Collection Date: 08/01/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.22	ft	1	08/01/2024 10:28	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		2.1	NTU	1	08/01/2024 10:28	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-52	mV	1	08/01/2024 10:28	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1480	µS/cm	1	08/01/2024 10:28	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.3	°C	1	08/01/2024 10:28	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.80	mg/L	1	08/01/2024 10:28	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		7.06		1	08/01/2024 10:28	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		228	mg/L	1	08/05/2024 12:52	R351252
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/05/2024 12:52	R351252
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1480	mg/L	1	08/06/2024 11:05	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		916	mg/L	50	08/12/2024 18:42	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.47	mg/L	10	08/13/2024 19:51	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		20	mg/L	1	08/12/2024 18:36	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		183	mg/L	1	08/05/2024 18:52	226569
Magnesium	NELAP	0.006	0.050		99.3	mg/L	1	08/05/2024 18:52	226569
Potassium	NELAP	0.040	0.100		0.483	mg/L	1	08/05/2024 18:52	226569
Sodium	NELAP	0.018	0.050		129	mg/L	1	08/05/2024 18:52	226569
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/06/2024 10:33	226569
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	08/06/2024 10:33	226569
Barium	NELAP	0.7	1.0		22.3	µg/L	5	08/06/2024 10:33	226569
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/06/2024 10:33	226569
Boron	NELAP	9.2	20.0		2160	µg/L	5	08/06/2024 10:33	226569
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/06/2024 10:33	226569
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/06/2024 10:33	226569
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	08/06/2024 10:33	226569
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 10:33	226569
Lithium	*	1.4	3.0		6.3	µg/L	5	08/06/2024 10:33	226569
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	08/06/2024 10:33	226569
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 10:33	226569
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/06/2024 10:33	226569



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-063

Client Sample ID: G305

Matrix: GROUNDWATER

Collection Date: 08/01/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/08/2024 10:11	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-064
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24

Client Sample ID: G306

Collection Date: 08/01/2024 9:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.22	ft	1	08/01/2024 9:44	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		210	NTU	1	08/01/2024 9:44	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		94	mV	1	08/01/2024 9:44	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		624	µS/cm	1	08/01/2024 9:44	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		16.5	°C	1	08/01/2024 9:44	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.76	mg/L	1	08/01/2024 9:44	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.29		1	08/01/2024 9:44	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		293	mg/L	1	08/05/2024 12:46	R351252
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/05/2024 12:46	R351252
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		500	mg/L	1	08/06/2024 11:05	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	31	50		138	mg/L	5	08/12/2024 18:50	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.14	mg/L	10	08/13/2024 20:03	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4	J	3	mg/L	1	08/12/2024 18:44	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		92.0	mg/L	1	08/05/2024 18:54	226569
Magnesium	NELAP	0.006	0.050		34.8	mg/L	1	08/05/2024 18:54	226569
Potassium	NELAP	0.040	0.100		0.591	mg/L	1	08/05/2024 18:54	226569
Sodium	NELAP	0.018	0.050		38.1	mg/L	1	08/05/2024 18:54	226569
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/06/2024 10:39	226569
Arsenic	NELAP	0.4	1.0	J	0.6	µg/L	5	08/06/2024 10:39	226569
Barium	NELAP	0.7	1.0		38.3	µg/L	5	08/06/2024 10:39	226569
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/06/2024 10:39	226569
Boron	NELAP	9.2	20.0		1910	µg/L	5	08/06/2024 10:39	226569
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/06/2024 10:39	226569
Chromium	NELAP	0.7	1.5		2.9	µg/L	5	08/08/2024 12:03	226569
Cobalt	NELAP	0.1	1.0	J	0.5	µg/L	5	08/06/2024 10:39	226569
Lead	NELAP	0.6	1.0	J	0.7	µg/L	5	08/06/2024 10:39	226569
Lithium	*	1.4	3.0		4.8	µg/L	5	08/06/2024 10:39	226569
Molybdenum	NELAP	0.6	1.5	J	0.8	µg/L	5	08/06/2024 10:39	226569
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 10:39	226569
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/06/2024 10:39	226569



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-064
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: G306
Collection Date: 08/01/2024 9:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/08/2024 10:13	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-065

Client Sample ID: G307

Matrix: GROUNDWATER

Collection Date: 08/01/2024 12:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		0.89	ft	1	08/01/2024 12:13	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.3	NTU	1	08/01/2024 12:13	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-103	mV	1	08/01/2024 12:13	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1000	µS/cm	1	08/01/2024 12:13	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		21.2	°C	1	08/01/2024 12:13	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.67	mg/L	1	08/01/2024 12:13	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.95		1	08/01/2024 12:13	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		190	mg/L	1	08/05/2024 12:09	R351252
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/05/2024 12:09	R351252
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		918	mg/L	1	08/06/2024 10:29	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		489	mg/L	20	08/12/2024 19:19	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.35	mg/L	10	08/13/2024 20:14	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		11	mg/L	1	08/12/2024 19:13	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		151	mg/L	1	08/05/2024 19:03	226569
Magnesium	NELAP	0.006	0.050		45.8	mg/L	1	08/05/2024 19:03	226569
Potassium	NELAP	0.040	0.100		4.74	mg/L	1	08/05/2024 19:03	226569
Sodium	NELAP	0.018	0.050		79.9	mg/L	1	08/05/2024 19:03	226569
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	09/05/2024 10:54	227783
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	08/06/2024 11:40	226569
Barium	NELAP	0.7	1.0		23.8	µg/L	5	08/06/2024 11:40	226569
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/06/2024 11:40	226569
Boron	NELAP	9.2	20.0		2130	µg/L	5	08/06/2024 11:40	226569
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/06/2024 11:40	226569
Chromium	NELAP	0.7	1.5	J	1.1	µg/L	5	08/06/2024 11:40	226569
Cobalt	NELAP	0.1	1.0		2.3	µg/L	5	08/08/2024 12:08	226569
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 11:40	226569
Lithium	*	1.4	3.0		6.4	µg/L	5	08/06/2024 11:40	226569
Molybdenum	NELAP	0.6	1.5	J	1.4	µg/L	5	08/06/2024 11:40	226569
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 11:40	226569
Thallium	NELAP	1.0	2.0	J	1.8	µg/L	5	08/06/2024 11:40	226569

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-065

Client Sample ID: G307

Matrix: GROUNDWATER

Collection Date: 08/01/2024 12:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20	J	0.12	µg/L	1	08/08/2024 10:15	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-066

Client Sample ID: G307D

Matrix: GROUNDWATER

Collection Date: 08/01/2024 11:41

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.34	ft	1	08/01/2024 11:41	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		30	NTU	1	08/01/2024 11:41	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-56	mV	1	08/01/2024 11:41	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1060	µS/cm	1	08/01/2024 11:41	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		19.7	°C	1	08/01/2024 11:41	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		2.32	mg/L	1	08/01/2024 11:41	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		7.07		1	08/01/2024 11:41	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		136	mg/L	1	08/05/2024 12:15	R351252
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/05/2024 12:15	R351252
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		954	mg/L	1	08/06/2024 10:28	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		571	mg/L	20	08/12/2024 19:27	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.47	mg/L	10	08/13/2024 20:26	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		12	mg/L	1	08/12/2024 19:21	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		126	mg/L	1	08/05/2024 19:05	226569
Magnesium	NELAP	0.006	0.050		60.8	mg/L	1	08/05/2024 19:05	226569
Potassium	NELAP	0.040	0.100		0.523	mg/L	1	08/05/2024 19:05	226569
Sodium	NELAP	0.018	0.050		91.2	mg/L	1	08/05/2024 19:05	226569
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.8	µg/L	5	08/06/2024 11:46	226569
Arsenic	NELAP	0.4	1.0		1.8	µg/L	5	08/06/2024 11:46	226569
Barium	NELAP	0.7	1.0		18.3	µg/L	5	08/06/2024 11:46	226569
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/06/2024 11:46	226569
Boron	NELAP	9.2	20.0		1770	µg/L	5	08/06/2024 11:46	226569
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/06/2024 11:46	226569
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/06/2024 11:46	226569
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	08/06/2024 11:46	226569
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 11:46	226569
Lithium	*	1.4	3.0	J	1.7	µg/L	5	08/06/2024 11:46	226569
Molybdenum	NELAP	0.6	1.5		2.8	µg/L	5	08/06/2024 11:46	226569
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 11:46	226569
Thallium	NELAP	1.0	2.0	J	1.2	µg/L	5	08/06/2024 11:46	226569

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-066
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: G307D
Collection Date: 08/01/2024 11:41

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	08/08/2024 10:18	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-067

Client Sample ID: G308

Matrix: GROUNDWATER

Collection Date: 08/01/2024 12:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		5.02	ft	1	08/01/2024 12:56	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.3	NTU	1	08/01/2024 12:56	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-11	mV	1	08/01/2024 12:56	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1540	µS/cm	1	08/01/2024 12:56	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.8	°C	1	08/01/2024 12:56	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.31	mg/L	1	08/01/2024 12:56	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		7.03		1	08/01/2024 12:56	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		263	mg/L	1	08/05/2024 12:32	R351252
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/05/2024 12:32	R351252
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1510	mg/L	1	08/06/2024 10:28	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		847	mg/L	50	08/12/2024 19:35	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50		0.59	mg/L	10	08/13/2024 21:13	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		9	mg/L	1	08/12/2024 19:29	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		186	mg/L	1	08/05/2024 19:06	226569
Magnesium	NELAP	0.006	0.050		110	mg/L	1	08/05/2024 19:06	226569
Potassium	NELAP	0.040	0.100		0.400	mg/L	1	08/05/2024 19:06	226569
Sodium	NELAP	0.018	0.050		140	mg/L	1	08/05/2024 19:06	226569
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.5	µg/L	5	08/06/2024 11:51	226569
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	08/06/2024 11:51	226569
Barium	NELAP	0.7	1.0		16.5	µg/L	5	08/06/2024 11:51	226569
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/06/2024 11:51	226569
Boron	NELAP	9.2	20.0		2650	µg/L	5	08/06/2024 11:51	226569
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/06/2024 11:51	226569
Chromium	NELAP	0.7	1.5	J	0.8	µg/L	5	08/06/2024 11:51	226569
Cobalt	NELAP	0.1	1.0	J	0.2	µg/L	5	08/06/2024 11:51	226569
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 11:51	226569
Lithium	*	1.4	3.0		6.8	µg/L	5	08/06/2024 11:51	226569
Molybdenum	NELAP	0.6	1.5		1.9	µg/L	5	08/06/2024 11:51	226569
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 11:51	226569
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/06/2024 11:51	226569

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-067

Client Sample ID: G308

Matrix: GROUNDWATER

Collection Date: 08/01/2024 12:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/08/2024 10:20	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-068

Client Sample ID: G310

Matrix: GROUNDWATER

Collection Date: 08/01/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		9.56	ft	1	08/01/2024 13:47	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		3.4	NTU	1	08/01/2024 13:47	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		40	mV	1	08/01/2024 13:47	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1180	µS/cm	1	08/01/2024 13:47	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.4	°C	1	08/01/2024 13:47	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.45	mg/L	1	08/01/2024 13:47	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.94		1	08/01/2024 13:47	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		242	mg/L	1	08/13/2024 10:46	R351623
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/13/2024 10:46	R351623
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1060	mg/L	1	08/06/2024 10:28	R351366
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		579	mg/L	20	08/12/2024 19:43	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.28	mg/L	10	08/13/2024 23:44	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		12	mg/L	1	08/12/2024 19:37	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		152	mg/L	1	08/05/2024 19:08	226569
Magnesium	NELAP	0.006	0.050		49.6	mg/L	1	08/05/2024 19:08	226569
Potassium	NELAP	0.040	0.100		0.336	mg/L	1	08/05/2024 19:08	226569
Sodium	NELAP	0.018	0.050		137	mg/L	1	08/05/2024 19:08	226569
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/06/2024 11:57	226569
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 12:13	226569
Barium	NELAP	0.7	1.0		14.8	µg/L	5	08/06/2024 11:57	226569
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/06/2024 11:57	226569
Boron	NELAP	9.2	20.0		1940	µg/L	5	08/06/2024 11:57	226569
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/06/2024 11:57	226569
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/06/2024 11:57	226569
Cobalt	NELAP	0.1	1.0		1.3	µg/L	5	08/08/2024 12:13	226569
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 11:57	226569
Lithium	*	1.4	3.0		6.6	µg/L	5	08/06/2024 11:57	226569
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	08/06/2024 11:57	226569
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/06/2024 11:57	226569
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/06/2024 11:57	226569

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-068

Client Sample ID: G310

Matrix: GROUNDWATER

Collection Date: 08/01/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/08/2024 10:27	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-069

Client Sample ID: G312

Matrix: GROUNDWATER

Collection Date: 08/05/2024 12:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		13.75	ft	1	08/05/2024 12:55	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.7	NTU	1	08/05/2024 12:55	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		22	mV	1	08/05/2024 12:55	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1770	µS/cm	1	08/05/2024 12:55	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.0	°C	1	08/05/2024 12:55	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.85	mg/L	1	08/05/2024 12:55	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.38		1	08/05/2024 12:55	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		545	mg/L	1	08/06/2024 10:50	R351315
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/06/2024 10:50	R351315
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2010	mg/L	1	08/08/2024 11:33	R351496
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		897	mg/L	50	08/13/2024 18:07	R351696
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.18	mg/L	10	08/08/2024 5:20	R351389
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		28	mg/L	1	08/13/2024 18:02	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		246	mg/L	1	08/08/2024 14:22	226774
Magnesium	NELAP	0.006	0.050		185	mg/L	1	08/08/2024 14:22	226774
Potassium	NELAP	0.040	0.100		0.884	mg/L	1	08/08/2024 14:22	226774
Sodium	NELAP	0.018	0.050		160	mg/L	1	08/08/2024 14:22	226774
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	J	0.5	µg/L	5	08/12/2024 19:07	226774
Arsenic	NELAP	0.4	1.0	J	0.5	µg/L	5	08/09/2024 15:34	226774
Barium	NELAP	0.7	1.0		26.5	µg/L	5	08/09/2024 15:34	226774
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/09/2024 15:34	226774
Boron	NELAP	9.2	20.0		3830	µg/L	5	08/09/2024 15:34	226774
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/09/2024 15:34	226774
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/09/2024 15:34	226774
Cobalt	NELAP	0.1	1.0		2.9	µg/L	5	08/09/2024 15:34	226774
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/09/2024 15:34	226774
Lithium	*	1.4	3.0		18.8	µg/L	5	08/12/2024 19:07	226774
Molybdenum	NELAP	0.6	1.5	J	0.6	µg/L	5	08/09/2024 15:34	226774
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/09/2024 15:34	226774
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/09/2024 15:34	226774



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-069

Client Sample ID: G312

Matrix: GROUNDWATER

Collection Date: 08/05/2024 12:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/08/2024 10:34	226776



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-070

Client Sample ID: G313

Matrix: GROUNDWATER

Collection Date: 07/31/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.93	ft	1	07/31/2024 12:53	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		9.4	NTU	1	07/31/2024 12:53	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		33	mV	1	07/31/2024 12:53	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1590	µS/cm	1	07/31/2024 12:53	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		20.0	°C	1	07/31/2024 12:53	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.34	mg/L	1	07/31/2024 12:53	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.73		1	07/31/2024 12:53	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		312	mg/L	1	08/01/2024 11:02	R351100
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/01/2024 11:02	R351100
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1500	mg/L	1	08/05/2024 9:32	R351309
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		649	mg/L	20	08/12/2024 19:51	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.27	mg/L	10	08/13/2024 21:24	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		20	mg/L	1	08/12/2024 19:45	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		209	mg/L	1	08/05/2024 17:59	226542
Magnesium	NELAP	0.006	0.050		107	mg/L	1	08/05/2024 17:59	226542
Potassium	NELAP	0.040	0.100		1.22	mg/L	1	08/05/2024 17:59	226542
Sodium	NELAP	0.018	0.050		162	mg/L	1	08/05/2024 17:59	226542
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 14:45	226542
Arsenic	NELAP	0.4	1.0	J	0.4	µg/L	5	08/05/2024 12:16	226542
Barium	NELAP	0.7	1.0		18.7	µg/L	5	08/05/2024 12:16	226542
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:16	226542
Boron	NELAP	9.2	20.0		3640	µg/L	5	08/05/2024 12:16	226542
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:16	226542
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/05/2024 12:16	226542
Cobalt	NELAP	0.1	1.0	J	0.6	µg/L	5	08/05/2024 12:16	226542
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:16	226542
Lithium	*	1.4	3.0		18.6	µg/L	5	08/08/2024 14:45	226542
Molybdenum	NELAP	0.6	1.5	J	1.5	µg/L	5	08/05/2024 12:16	226542
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:16	226542
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/05/2024 12:16	226542



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-070

Client Sample ID: G313

Matrix: GROUNDWATER

Collection Date: 07/31/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/05/2024 9:55	226541



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-071

Client Sample ID: G314

Matrix: GROUNDWATER

Collection Date: 07/31/2024 11:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		4.49	ft	1	07/31/2024 11:48	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		36	NTU	1	07/31/2024 11:48	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-33	mV	1	07/31/2024 11:48	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		3280	µS/cm	1	07/31/2024 11:48	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.2	°C	1	07/31/2024 11:48	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.29	mg/L	1	07/31/2024 11:48	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.45		1	07/31/2024 11:48	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		732	mg/L	1	08/01/2024 13:52	R351100
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/01/2024 13:52	R351100
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		3350	mg/L	1	08/05/2024 9:55	R351309
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		2050	mg/L	50	08/13/2024 18:28	R351696
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.18	mg/L	10	08/13/2024 21:36	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		33	mg/L	1	08/13/2024 18:10	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		680	mg/L	1	08/05/2024 18:01	226542
Magnesium	NELAP	0.006	0.050		309	mg/L	1	08/05/2024 18:01	226542
Potassium	NELAP	0.040	0.100		4.32	mg/L	1	08/05/2024 18:01	226542
Sodium	NELAP	0.018	0.050		159	mg/L	1	08/05/2024 18:01	226542
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 14:51	226542
Arsenic	NELAP	0.4	1.0	J	0.7	µg/L	5	08/05/2024 12:22	226542
Barium	NELAP	0.7	1.0		19.0	µg/L	5	08/05/2024 12:22	226542
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:22	226542
Boron	NELAP	9.2	20.0		145	µg/L	5	08/05/2024 12:22	226542
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:22	226542
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/05/2024 12:22	226542
Cobalt	NELAP	0.1	1.0		4.1	µg/L	5	08/05/2024 12:22	226542
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:22	226542
Lithium	*	1.4	3.0		5.2	µg/L	5	08/08/2024 14:51	226542
Molybdenum	NELAP	0.6	1.5	J	1.1	µg/L	5	08/05/2024 12:22	226542
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:22	226542
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/05/2024 12:22	226542



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-071
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24

Client Sample ID: G314

Collection Date: 07/31/2024 11:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/05/2024 9:57	226541



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-072

Client Sample ID: G314D

Matrix: GROUNDWATER

Collection Date: 07/31/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.79	ft	1	07/31/2024 10:52	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		200	NTU	1	07/31/2024 10:52	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-62	mV	1	07/31/2024 10:52	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		2550	µS/cm	1	07/31/2024 10:52	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.1	°C	1	07/31/2024 10:52	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.25	mg/L	1	07/31/2024 10:52	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.74		1	07/31/2024 10:52	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		646	mg/L	1	08/01/2024 10:26	R351100
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/01/2024 10:26	R351100
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		2510	mg/L	1	08/05/2024 9:55	R351309
SW-846 9036 (TOTAL)									
Sulfate	NELAP	307	500		1180	mg/L	50	08/12/2024 20:15	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50		0.57	mg/L	10	08/13/2024 21:48	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	2	20		60	mg/L	5	08/12/2024 20:09	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		307	mg/L	1	08/05/2024 18:02	226542
Magnesium	NELAP	0.006	0.050		106	mg/L	1	08/05/2024 18:02	226542
Potassium	NELAP	0.040	0.100		3.60	mg/L	1	08/05/2024 18:02	226542
Sodium	NELAP	0.018	0.050		449	mg/L	1	08/05/2024 18:02	226542
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 14:56	226542
Arsenic	NELAP	0.4	1.0		8.0	µg/L	5	08/05/2024 12:28	226542
Barium	NELAP	0.7	1.0		33.0	µg/L	5	08/05/2024 12:28	226542
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:28	226542
Boron	NELAP	9.2	20.0		198	µg/L	5	08/05/2024 12:28	226542
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:28	226542
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/05/2024 12:28	226542
Cobalt	NELAP	0.1	1.0		3.3	µg/L	5	08/05/2024 12:28	226542
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:28	226542
Lithium	*	1.4	3.0		11.0	µg/L	5	08/08/2024 14:56	226542
Molybdenum	NELAP	0.6	1.5		4.0	µg/L	5	08/05/2024 12:28	226542
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:28	226542
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/05/2024 12:28	226542



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-072

Client Sample ID: G314D

Matrix: GROUNDWATER

Collection Date: 07/31/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/05/2024 9:59	226541



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-073
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24

Client Sample ID: G315

Collection Date: 07/31/2024 14:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		2.64	ft	1	07/31/2024 14:38	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		10	NTU	1	07/31/2024 14:38	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		43	mV	1	07/31/2024 14:38	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1120	µS/cm	1	07/31/2024 14:38	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.7	°C	1	07/31/2024 14:38	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.36	mg/L	1	07/31/2024 14:38	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.71		1	07/31/2024 14:38	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		252	mg/L	1	08/01/2024 10:33	R351100
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/01/2024 10:33	R351100
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1650	mg/L	1	08/05/2024 9:56	R351309
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		513	mg/L	20	08/12/2024 20:23	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.28	mg/L	10	08/13/2024 21:59	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		13	mg/L	1	08/12/2024 20:17	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		141	mg/L	1	08/05/2024 18:04	226542
Magnesium	NELAP	0.006	0.050		63.0	mg/L	1	08/05/2024 18:04	226542
Potassium	NELAP	0.040	0.100		0.304	mg/L	1	08/05/2024 18:04	226542
Sodium	NELAP	0.018	0.050		113	mg/L	1	08/05/2024 18:04	226542
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		< 1.0	µg/L	5	08/08/2024 15:02	226542
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	08/05/2024 12:34	226542
Barium	NELAP	0.7	1.0		19.1	µg/L	5	08/05/2024 12:34	226542
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:34	226542
Boron	NELAP	9.2	20.0		1440	µg/L	5	08/05/2024 12:34	226542
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:34	226542
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/05/2024 12:34	226542
Cobalt	NELAP	0.1	1.0	J	0.7	µg/L	5	08/05/2024 12:34	226542
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:34	226542
Lithium	*	1.4	3.0		4.8	µg/L	5	08/08/2024 15:02	226542
Molybdenum	NELAP	0.6	1.5	J	0.6	µg/L	5	08/05/2024 12:34	226542
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:34	226542
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/05/2024 12:34	226542



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-073

Client Sample ID: G315

Matrix: GROUNDWATER

Collection Date: 07/31/2024 14:38

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	08/07/2024 8:18	226758



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-074
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: G316
Collection Date: 07/31/2024 9:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		11.51	ft	1	07/31/2024 9:53	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		6.8	NTU	1	07/31/2024 9:53	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-106	mV	1	07/31/2024 9:53	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		1740	µS/cm	1	07/31/2024 9:53	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		17.3	°C	1	07/31/2024 9:53	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.36	mg/L	1	07/31/2024 9:53	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.74		1	07/31/2024 9:53	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		646	mg/L	1	08/01/2024 10:38	R351100
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/01/2024 10:38	R351100
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		1050	mg/L	1	08/05/2024 9:56	R351309
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		696	mg/L	20	08/12/2024 20:31	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.27	mg/L	10	08/13/2024 22:11	R351606
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		26	mg/L	1	08/12/2024 20:25	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100		212	mg/L	1	08/05/2024 18:06	226542
Magnesium	NELAP	0.006	0.050		168	mg/L	1	08/05/2024 18:06	226542
Potassium	NELAP	0.040	0.100		2.54	mg/L	1	08/05/2024 18:06	226542
Sodium	NELAP	0.018	0.050		122	mg/L	1	08/05/2024 18:06	226542
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0		2.6	µg/L	5	08/08/2024 16:15	226542
Arsenic	NELAP	0.4	1.0		9.3	µg/L	5	08/05/2024 12:40	226542
Barium	NELAP	0.7	1.0		72.1	µg/L	5	08/05/2024 12:40	226542
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:40	226542
Boron	NELAP	9.2	20.0		450	µg/L	5	08/05/2024 12:40	226542
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/05/2024 12:40	226542
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/05/2024 12:40	226542
Cobalt	NELAP	0.1	1.0		2.1	µg/L	5	08/05/2024 12:40	226542
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:40	226542
Lithium	*	1.4	3.0	J	1.8	µg/L	5	08/08/2024 16:15	226542
Molybdenum	NELAP	0.6	1.5		4.9	µg/L	5	08/05/2024 12:40	226542
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/05/2024 12:40	226542
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/05/2024 12:40	226542



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-074
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: G316
Collection Date: 07/31/2024 9:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/07/2024 8:25	226758



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-091
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: SG-02
Collection Date: 07/30/2024 10:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		7.13	ft	1	07/30/2024 10:24	R351564



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab ID: 24071451-092

Client Sample ID: SG-03

Matrix: GROUNDWATER

Collection Date: 07/30/2024 12:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.69	ft	1	07/30/2024 12:50	R351564



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-096
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: XSG-01
Collection Date: 07/30/2024 11:58

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		6.33	ft	1	07/30/2024 11:58	R351564



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-097
Matrix: AQUEOUS

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: Field Blank
Collection Date: 08/07/2024 14:49

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	08/08/2024 13:51	R351443
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/08/2024 13:51	R351443
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20	H	< 20	mg/L	1	08/15/2024 17:20	R351887
Sample analysis did not meet hold time requirements.									
SW-846 9036 (TOTAL)									
Sulfate	NELAP	6	10		< 10	mg/L	1	08/12/2024 18:17	R351588
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50		ND	mg/L	10	08/08/2024 15:56	R351419
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		< 4	mg/L	1	08/12/2024 18:18	R351636
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.10	J	0.041	mg/L	1	08/12/2024 16:10	226881
Magnesium	NELAP	0.006	0.050	J	0.046	mg/L	1	08/12/2024 16:10	226881
Potassium	NELAP	0.040	0.100		< 0.100	mg/L	1	08/12/2024 16:10	226881
Sodium	NELAP	0.018	0.050	J	0.048	mg/L	1	08/12/2024 16:10	226881
SW-846 3005A, 6020A, METALS BY ICPMS (TOTAL)									
Antimony	NELAP	0.4	1.0	B	< 1.0	µg/L	5	08/12/2024 17:01	226881
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	08/12/2024 17:01	226881
Barium	NELAP	0.7	1.0		< 1.0	µg/L	5	08/12/2024 17:01	226881
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/12/2024 17:01	226881
Boron	NELAP	9.2	20.0		< 20.0	µg/L	5	09/04/2024 15:07	227726
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/12/2024 17:01	226881
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/12/2024 17:01	226881
Cobalt	NELAP	0.1	1.0		< 1.0	µg/L	5	08/12/2024 17:01	226881
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/12/2024 17:01	226881
Lithium	*	1.4	3.0		< 3.0	µg/L	5	08/12/2024 17:01	226881
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	08/12/2024 17:01	226881
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/12/2024 17:01	226881
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/12/2024 17:01	226881
Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.									
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.06	0.20		< 0.20	µg/L	1	08/13/2024 14:27	226884



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-101
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: G301 Duplicate
Collection Date: 08/05/2024 10:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
FIELD ELEVATION MEASUREMENTS									
Depth to water from measuring point	*	0	0		8.03	ft	1	08/05/2024 10:36	R351564
STANDARD METHODS 2130 B FIELD									
Turbidity	*	1.0	1.0		5.2	NTU	1	08/05/2024 10:36	R351564
STANDARD METHODS 18TH ED. 2580 B FIELD									
Oxidation-Reduction Potential	*	-300	-300		-45	mV	1	08/05/2024 10:36	R351564
STANDARD METHODS 2510 B FIELD									
Spec. Conductance, Field	*	0	0		910	µS/cm	1	08/05/2024 10:36	R351564
STANDARD METHODS 2550 B FIELD									
Temperature	*	0	0		18.9	°C	1	08/05/2024 10:36	R351564
STANDARD METHODS 4500-O G FIELD									
Oxygen, Dissolved	*	0	0		0.28	mg/L	1	08/05/2024 10:36	R351564
SW-846 9040B FIELD									
pH	*	0	1.00		6.47		1	08/05/2024 10:36	R351564
STANDARD METHODS 2320 B (TOTAL) 1997, 2011									
Alkalinity, Bicarbonate (as CaCO ₃)	NELAP	0	0		166	mg/L	1	08/06/2024 11:02	R351315
STANDARD METHODS 2320 B 1997, 2011									
Alkalinity, Carbonate (as CaCO ₃)	NELAP	0	0		0	mg/L	1	08/06/2024 11:02	R351315
STANDARD METHODS 2540 C (TOTAL) 1997, 2011									
Total Dissolved Solids	NELAP	16	20		850	mg/L	1	08/08/2024 11:34	R351496
SW-846 9036 (TOTAL)									
Sulfate	NELAP	123	200		409	mg/L	20	08/13/2024 20:15	R351696
SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY									
Fluoride	*	0.03	0.50	J	0.25	mg/L	10	08/08/2024 4:46	R351389
SW-846 9251 (TOTAL)									
Chloride	NELAP	1	4		11	mg/L	1	08/13/2024 19:57	R351708
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Calcium	NELAP	0.035	0.100	S	111	mg/L	1	08/08/2024 16:12	226774
Magnesium	NELAP	0.006	0.050	S	41.6	mg/L	1	08/08/2024 16:12	226774
Potassium	NELAP	0.040	0.100		1.88	mg/L	1	08/08/2024 16:12	226774
Sodium	NELAP	0.018	0.050	S	108	mg/L	1	08/08/2024 16:12	226774
<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	BJ	0.6	µg/L	5	08/09/2024 15:46	226774
Arsenic	NELAP	0.4	1.0		< 1.0	µg/L	5	08/09/2024 15:46	226774
Barium	NELAP	0.7	1.0		13.3	µg/L	5	08/09/2024 15:46	226774
Beryllium	NELAP	0.2	1.0		< 1.0	µg/L	5	08/09/2024 15:46	226774
Boron	NELAP	9.2	20.0		2070	µg/L	5	08/09/2024 15:46	226774
Cadmium	*	0.2	1.0		< 1.0	µg/L	5	08/09/2024 15:46	226774
Chromium	NELAP	0.7	1.5		< 1.5	µg/L	5	08/09/2024 15:46	226774
Cobalt	NELAP	0.1	1.0		1.2	µg/L	5	08/09/2024 15:46	226774
Lead	NELAP	0.6	1.0		< 1.0	µg/L	5	08/09/2024 15:46	226774
Lithium	*	1.4	3.0		4.4	µg/L	5	08/12/2024 19:13	226774
Molybdenum	NELAP	0.6	1.5		< 1.5	µg/L	5	08/09/2024 15:46	226774
Selenium	NELAP	0.6	1.0		< 1.0	µg/L	5	08/09/2024 15:46	226774
Thallium	NELAP	1.0	2.0		< 2.0	µg/L	5	08/09/2024 15:46	226774

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



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071451-101
Matrix: GROUNDWATER

Work Order: 24071451
Report Date: 13-Sep-24
Client Sample ID: G301 Duplicate
Collection Date: 08/05/2024 10:36

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	08/08/2024 14:48	226813



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24071451-056	G281	Groundwater	4	07/30/2024 10:13
24071451-060	G301	Groundwater	2	08/05/2024 10:36
24071451-061	G302	Groundwater	2	08/05/2024 11:43
24071451-062	G303	Groundwater	2	07/31/2024 13:49
24071451-063	G305	Groundwater	2	08/01/2024 10:28
24071451-064	G306	Groundwater	2	08/01/2024 9:44
24071451-065	G307	Groundwater	2	08/01/2024 12:13
24071451-066	G307D	Groundwater	2	08/01/2024 11:41
24071451-067	G308	Groundwater	2	08/01/2024 12:56
24071451-068	G310	Groundwater	2	08/01/2024 13:47
24071451-069	G312	Groundwater	2	08/05/2024 12:55
24071451-070	G313	Groundwater	2	07/31/2024 12:53
24071451-071	G314	Groundwater	2	07/31/2024 11:48
24071451-072	G314D	Groundwater	2	07/31/2024 10:52
24071451-073	G315	Groundwater	2	07/31/2024 14:38
24071451-074	G316	Groundwater	2	07/31/2024 9:53
24071451-091	SG-02	Groundwater	1	07/30/2024 10:24
24071451-092	SG-03	Groundwater	1	07/30/2024 12:50
24071451-096	XSG-01	Groundwater	1	07/30/2024 11:58
24071451-097	Field Blank	Aqueous	9	08/07/2024 14:49
24071451-101	G301 Duplicate	Groundwater	2	08/05/2024 10:36



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R351564		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		1420	1412	0	100.4	90	110	07/30/2024	

Batch R351564		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	100.0	90	110	07/30/2024	

Batch R351564		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	100.1	90	110	07/31/2024	

Batch R351564		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		1410	1412	0	99.9	90	110	07/31/2024	

Batch R351564		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-2-JC											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	07/31/2024	

Batch R351564		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	99.9	90	110	08/01/2024	

Batch R351564		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	100.3	90	110	08/01/2024	

Batch R351564		SampType: LCS		Units $\mu\text{S/cm}$							
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	100.0	90	110	08/01/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R351564		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-3-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	08/05/2024	

Batch R351564		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	08/05/2024	

Batch R351564		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	08/02/2024

Batch R351564		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-4-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Spec. Conductance, Field	*	0		1400	1412	0	99.2	90	110	08/06/2024	

Batch R351564		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	100.1	90	110	08/05/2024	

Batch R351564		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	99.8	90	110	08/05/2024

Batch R351564		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-5-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	08/07/2024	

Batch R351564		SampType: LCS		Units $\mu\text{S/cm}$							
SampID: LCS-6-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	08/06/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

STANDARD METHODS 2510 B FIELD

Batch R351564		SampType: LCS		Units µS/cm							
SampleID: LCS-6-JC											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Spec. Conductance, Field	*	0		1410	1412	0	100.0	90	110	08/06/2024	

SW-846 9040B FIELD

Batch R351564		SampType: LCS		Units							
SampleID: 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	07/30/2024	

Batch R351564		SampType: LCS		Units							
SampleID: LCS-1-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	07/30/2024	

Batch R351564		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		7.03	7.000	0	100.4	98.57	101.4	07/31/2024	

Batch R351564		SampType: LCS	Units								
SampleID: LCS-2-BG											
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	07/31/2024	

Batch R351564		SampType: LCS		Units							
SampleID: LCS-2-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	07/31/2024	

Batch R351564		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	08/01/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9040B FIELD

Batch R351564		SampType: LCS		Units							
SampID: LCS-3-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	08/01/2024	

Batch R351564		SampType: LCS		Units							
SampID: LCS-3-JC											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
pH	*	1.00		7.01	7.000	0	100.1	98.57	101.4	08/01/2024	

Batch R351564		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		7.05	7.000	0	100.7	98.57	101.4	08/05/2024	

Batch R351564		SampType: LCS		Units							
SampID: LCS-4-BG											
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	08/05/2024	

Batch R351564		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	08/02/2024	

Batch R351564		SampType: LCS		Units							
SampID: LCS-4-TC											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
pH	*	1.00		7.03	7.000	0	100.4	98.57	101.4	08/06/2024	

Batch R351564		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		7.01	7.000	0	100.1	98.57	101.4	08/05/2024	

Batch R351564		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		6.99	7.000	0	99.9	98.57	101.4	08/05/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9040B FIELD

Batch R351564		SampType: LCS		Units						
SampID: LCS-5-TC										
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	08/07/2024

Batch R351564		SampType: LCS		Units							
SampID: LCS-6-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	08/06/2024	

Batch R351564		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	08/06/2024

EPA 1664A

Batch R351520		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	08/09/2024

Batch R351520		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		31	40.00	0	78.2	78	114	08/09/2024

Batch R351520		SampType: MS		Units mg/L							
SampID: 24080864-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Hexane Extractable Material		5		35	43.72	0	81.0	78	114	08/09/2024	

Batch R351613		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	08/12/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

EPA 1664A

Batch	R351613	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		35	40.00	0	87.0	78	114	08/12/2024		

Batch R351613		SampType: MS		Units mg/L							
SampID: 24071451-013GMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Hexane Extractable Material		6		43	47.29	0	90.0	78	114	08/12/2024	

Batch R351613		SampType: MSD		Units mg/L				RPD Limit 18			
SampID: 24071451-013GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Hexane Extractable Material			6		39	46.59	0	82.8	42.56	9.88	08/12/2024

Batch R351613		SampType: MS		Units mg/L							
SampID: 24071451-103BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Hexane Extractable Material		6		43	47.29	0	90.0	78	114	08/12/2024	

Batch R351613		SampType: MSD		Units mg/L				RPD Limit 18			Date Analyzed
SampID: 24071451-103BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Hexane Extractable Material			6		39	46.59	0	82.8	42.56	9.88	08/12/2024

EPA 1664A, (TOTAL) PETROLEUM HYDROCARBONS

Batch R351520		SampType: MBLK		Units mg/L								
SampID: MBLK												Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Hexane Extractable Material (SGT)			5		< 5	4.400	0	0	-100	100	08/13/2024	

Batch R351520		SampType: LCS		Units mg/L								
SampID: LCS												Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Hexane Extractable Material (SGT)			5		15	20.00	0	74.0	64	132	08/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

EPA 1664A, (TOTAL) PETROLEUM HYDROCARBONS

Batch R351613 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 (SGT)		5		< 5	4.400	0	0	-100	100	08/14/2024

Batch R351613 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 (SGT)		5		17	20.00	0	85.5	64	132	08/14/2024

Batch R351613 SampType: MS Units mg/L
SampID: 24071451-013GMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material (SGT)		6		17	23.65	0	72.0	64	132	08/14/2024

Batch R351613 SampType: MSD Units mg/L
SampID: 24071451-013GMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Hexane Extractable Material (SGT)		6		15	23.30	0	66.5	17.03	9.43	08/14/2024

Batch R351613 SampType: MS Units mg/L
SampID: 24071451-103BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hexane Extractable Material (SGT)		6		17	23.65	0	72.0	64	132	08/14/2024

Batch R351613 SampType: MSD Units mg/L
SampID: 24071451-103BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Hexane Extractable Material (SGT)		6		15	23.30	0	66.5	17.03	9.43	08/14/2024

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351152 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	08/01/2024
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351152		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	08/01/2024
Total Dissolved Solids		20		968	1000	0	96.8	90	110	08/01/2024

Batch R351309		SampType: MBLK		Units mg/L							
SampleID: MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/05/2024	

Batch R351309		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		978	1000	0	97.8	90	110	08/05/2024	

Batch R351309		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24071451-078ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		958				1012	5.48	08/05/2024

Batch R351366		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	08/06/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/06/2024	

Batch R351366		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids			20		960	1000	0	96.0	90	110	08/06/2024
Total Dissolved Solids			20		928	1000	0	92.8	90	110	08/06/2024

Batch R351366		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24071451-065ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		914				918.0	0.44	08/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351366		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080156-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			50		5430				5660	4.15	08/06/2024

Batch R351366		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080157-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		2800				2982	6.15	08/06/2024

Batch R351427		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	08/07/2024

Batch R351427		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		944	1000	0	94.4	90	110	08/07/2024	

Batch R351427		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080319-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200		3460				3520	1.72	08/07/2024

Batch	R351496	SampType:	MBLK	Units mg/L							
SampID: MBLK											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	08/08/2024
Total Dissolved Solids			20		< 20	16.00	0	0	-100	100	08/08/2024

Batch	R351496	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		932	1000	0	93.2	90	110	08/08/2024	
Total Dissolved Solids		20		942	1000	0	94.2	90	110	08/08/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351496		SampType: DUP		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24071451-012ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Total Dissolved Solids		20		554				580.0	4.59	08/08/2024	

Batch R351496		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080687-005ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		874				862.0	1.38	08/08/2024

Batch R351578		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	08/09/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/09/2024	

Batch R351578		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		942	1000	0	94.2	90	110	08/09/2024	
Total Dissolved Solids		20		982	1000	0	98.2	90	110	08/09/2024	

Batch R351578		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080600-005ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		482				472.0	2.10	08/09/2024

Batch R351887		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	08/15/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/15/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/15/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R351887	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		994	1000	0	99.4	90	110	08/15/2024
Total Dissolved Solids		20		1000	1000	0	100.0	90	110	08/15/2024
Total Dissolved Solids		20		1010	1000	0	100.8	90	110	08/15/2024

Batch R351887		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24071451-043ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	820				844.0	2.88	08/15/2024

Batch R351887		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24071451-059ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	1850				1826	1.31	08/15/2024

Batch R351887		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080002-007ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		474				492.0	3.73	08/15/2024

Batch R351887		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080862-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			200	H	24200				24660	1.97	08/15/2024

Batch R351887		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080863-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	1160				1136	2.09	08/15/2024

Batch R352109		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	08/20/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

STANDARD METHODS 2540 C (TOTAL) 1997, 2011

Batch R352109		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Total Dissolved Solids		20		998	1000	0	99.8	90	110	08/20/2024	

Batch R352109		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24080169-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		524				518.0	1.15	08/20/2024

Batch R352173		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	08/21/2024	
Total Dissolved Solids		20		< 20	16.00	0	0	-100	100	08/21/2024	

Batch R352173		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	08/21/2024
Total Dissolved Solids		20		986	1000	0	98.6	90	110	08/21/2024

Batch R352173		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24071451-100ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	1440				1394	3.11	08/21/2024

Batch R352173		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24071451-102ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20	H	706				706.0	0.00	08/21/2024

Batch R352173		SampType: DUP		Units mg/L				RPD Limit 10			
SampID: 24081724-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Dissolved Solids			20		430				422.0	1.88	08/21/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch R351331		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	08/07/2024

Batch R351331		SampType: LCS		Units mg/L							
SampID: ICB/LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)			0.10		1.02	1.000	0	101.8	90	110	08/07/2024

Batch R351331		SampType: MS		Units mg/L							
SampID: 24071451-004EMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Ammonia (as N)			0.10		1.84	2.000	0	91.8	90	110	08/07/2024

Batch R351331		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-004EMSD											
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	90.6	1.836	1.37	08/07/2024

Batch R351331		SampType: MS		Units mg/L							
SampID: 24071451-006GMS											Date 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	92.8	90	110	08/07/2024	

Batch R351331		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24071451-006GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.85	2.000	0	92.7	1.855	0.05	08/07/2024

Batch R351331		SampType: MS		Units mg/L							
SampID: 24080270-004AMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.84	2.000	0.9630	93.8	90	110	08/07/2024

Batch R351331		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080270-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.81	2.000	0.9630	92.6	2.840	0.92	08/07/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch R351331		SampType: MS		Units mg/L						
SampID: 24080304-001EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)		0.10		1.99	2.000	0.07800	95.5	90	110	08/07/2024

Batch R351331		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080304-001EMSD											
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	0.07800	93.2	1.988	2.29	08/07/2024

Batch R351331		SampType: MS		Units mg/L							
SampID: 24080359-001FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		2.43	2.000	0.6300	90.0	90	110	08/07/2024	

Batch R351331		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080359-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.45	2.000	0.6300	90.8	2.430	0.66	08/07/2024

Batch R351499		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Ammonia (as N)		0.10		< 0.10	0.0270	0	0	-100	100	08/09/2024	

Batch R351499		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	101.5	90	110	08/09/2024

Batch R351499		SampType: MS		Units mg/L							
SampID: 24071451-007GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.20	S	7.10	4.000	3.575	88.2	90	110	08/09/2024	

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-007GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.20	S	7.13	4.000	3.575	89.0	7.101	0.45	08/09/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch R351499		SampType: MS		Units mg/L							Date
SampID: 24080524-007BMS											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	93.6	90	110	08/09/2024	

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080524-007BMSD											
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	93.8	1.871	0.32	08/09/2024

Batch R351499		SampType: MS		Units mg/L							Date
SampID: 24080552-002EMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10	S	1.84	2.000	0.05500	89.2	90	110	08/09/2024	

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24080552-002EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Ammonia (as N)			0.10		1.86	2.000	0.05500	90.3	1.839	1.19	08/09/2024

Batch R351499		SampType: MS		Units mg/L							Date
SampID: 24080553-001CMS											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	0.1020	94.0	90	110	08/09/2024	

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080553-001CMSD											
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	0.1020	92.2	1.981	1.83	08/09/2024

Batch R351499		SampType: MS		Units mg/L							Date
SampID: 24080588-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		1.95	2.000	0.04500	95.2	90	110	08/09/2024	

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080588-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.92	2.000	0.04500	93.6	1.948	1.55	08/09/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch R351499		SampType: MS		Units mg/L							
SampleID: 24080686-002BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Ammonia (as N)		0.10		2.35	2.000	0.4800	93.4	90	110	08/09/2024	

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			
SampleID: 24080686-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		2.34	2.000	0.4800	93.0	2.349	0.38	08/09/2024

Batch R351499		SampType: MS		Units mg/L							
SampleID: 24080708-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.87	2.000	0.05800	90.6	90	110	08/09/2024	

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			
SampleID: 24080708-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.87	2.000	0.05800	90.7	1.869	0.11	08/09/2024

Batch R351499		SampType: MS		Units mg/L							
SampleID: 24080743-002BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		3.55	2.000	1.679	93.6	90	110	08/09/2024

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			
SampleID: 24080743-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		3.56	2.000	1.679	94.2	3.552	0.34	08/09/2024

Batch R351499		SampType: MS		Units mg/L							
SampID: 24080780-002CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Ammonia (as N)		0.10		1.91	2.000	0.03500	93.8	90	110	08/09/2024	

Batch R351499		SampType: MSD		Units mg/L				RPD Limit 10			
SampleID: 24080780-002CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Ammonia (as N)			0.10		1.90	2.000	0.03500	93.2	1.910	0.63	08/09/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch R351109	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	08/01/2024

Batch R351109		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		0.33	0.3045	0	109.4	90	110	08/01/2024	

Batch R351109		SampType: MS		Units mg/L							
SampID: 24072335-008BMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrite (as N)			0.05	H	0.57	0.5000	0.02300	108.8	85	115	
											08/01/2024

Batch R351109		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072335-008BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	H	0.57	0.5000	0.02300	110.2	0.5670	1.23	08/01/2024

Batch R351317		SampType: MS		Units mg/L							
SampID: 24071451-008BMS											Date 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	101.4	85	115	08/06/2024	

Batch R351317		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-008BMSD											
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	100.0	0.5070	1.39	08/06/2024

Batch R351317		SampType: MS		Units mg/L						
SampID: 24071451-010BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	102.8	85	115	08/06/2024

Batch R351317		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24071451-010BMSD											
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	0.5140	0.78	08/06/2024



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

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

Batch R351317		SampType: MS		Units mg/L							
SampID: 24071451-021BMS											Date 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	08/06/2024	

Batch R351317		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24071451-021BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)		0.05		0.51	0.5000	0	101.6	0.5100	0.39	08/06/2024	

Batch R351426		SampType: MS		Units mg/L							
SampID: 24071451-018BMS											Date 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	0.01000	99.0	85	115	08/08/2024	

Batch R351426		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24071451-018BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.50	0.5000	0.01000	98.2	0.5050	0.80	08/08/2024

Batch R351426		SampType: MS		Units mg/L							
SampID: 24080600-005CMS											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	0.006000	96.4	85	115	08/08/2024	

Batch R351426		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080600-005CMSD											
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	0.006000	96.8	0.4880	0.41	08/08/2024

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

Batch R351109		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	08/01/2024



Quality Control Results

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Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071451
Report Date: 13-Sep-24

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

Batch R351109		SampType: LCS		Units mg/L							
SampID: LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	105.7	90	110	08/01/2024	

Batch R351109		SampType: MS		Units mg/L							
SampID: 24071451-055AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05	H	0.54	0.5000	0	107.2	85	115	08/01/2024	

Batch R351109		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-055AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	H	0.53	0.5000	0	106.2	0.5360	0.94	08/01/2024

Batch R351109		SampType: MS		Units mg/L							
SampID: 24072332-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05	H	0.53	0.5000	0	105.6	85	115	08/01/2024	

Batch R351109		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072332-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05	H	0.52	0.5000	0	103.6	0.5280	1.91	08/01/2024

Batch R351109		SampType: MS		Units mg/L							
SampID: 24072496-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	106.4	85	115	08/01/2024	

Batch R351109		SampType: MSD		Units mg/L				RPD Limit 10				Date Analyzed
SampID: 24072496-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrite (as N)			0.05		0.54	0.5000	0	107.2	0.5320	0.75	08/01/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	R351187	SampType:	MBLK	Units mg/L							
SampID: MBLK											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	08/02/2024	
Nitrogen, Nitrite (as N)		0.05		< 0.05	0.0250	0	0	-100	100	08/02/2024	

Batch	R351187	SampType:	LCS	Units mg/L							
SampID: LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	104.1	90	110	08/02/2024	
Nitrogen, Nitrite (as N)		0.05		0.32	0.3045	0	104.1	90	110	08/02/2024	

Batch R351187		SampType: MS		Units mg/L							
SampID: 24071451-025AMS											
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	104.4	85	115	08/02/2024	

Batch R351187		SampType: MSD		Units mg/L				RPD Limit 10		
SampID: 24071451-025AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	105.6	0.5220	1.14	08/02/2024

Batch R351187		SampType: MS		Units mg/L							
SampID: 24071451-080AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Nitrogen, Nitrite (as N)		0.05		0.53	0.5000	0	106.2	85	115	08/02/2024	

Batch R351187		SampType: MSD		Units mg/L				RPD Limit 10		
SampID: 24071451-080AMSD										
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	103.4	0.5310	2.67	08/02/2024

Batch R351187		SampType: MS		Units mg/L							
SampID: 24080033-001AMS											
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	104.2	85	115	08/02/2024	



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

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

Batch R351187		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080033-001AMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrite (as N)			0.05		0.52	0.5000	0	103.6	0.5210	0.58	08/02/2024

Batch	R351317	SampType:	MBLK	Units mg/L								
SampID: MBLK											Date Analyzed	
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	08/06/2024	
Nitrogen, Nitrite (as N)			0.05		< 0.05	0.0250	0	0	-100	100	08/06/2024	

Batch	R351317	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		0.33	0.3045	0	109.0	90	110	08/06/2024	
Nitrogen, Nitrite (as N)			0.05		0.33	0.3045	0	108.7	90	110	08/06/2024	

Batch R351317		SampType: MS		Units mg/L							
SampID: 24080386-001AMS											
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	102.8	85	115	08/06/2024	

Batch R351317		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24080386-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrite (as N)			0.05		0.51	0.5000	0	102.4	0.5140	0.39	08/06/2024

Batch	R351426	SampType:	MBLK	Units mg/L							
SampID: MBLK											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrite (as N)			0.05	J	0.01	0.0250	0	24.0	-100	100	08/08/2024
Nitrogen, Nitrite (as N)			0.05	J	0.01	0.0250	0	24.0	-100	100	08/08/2024

Batch	R351426	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		0.31	0.3045	0	101.5	90	110	08/08/2024	
Nitrogen, Nitrite (as N)			0.05		0.30	0.3045	0	100.2	90	110	08/08/2024	



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Client Project: COF-24Q3

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Batch R351426		SampType: MS		Units mg/L						
SampID: 24080632-001AMS										
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	0.006000	98.2	85	115	08/08/2024

Batch R351426		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080632-001AMSD											
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	0.006000	92.6	0.4970	5.80	08/08/2024

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Batch R351318		SampType: MS		Units mg/L						
SampID: 24071451-014BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.716	0.2500	0.4720	97.6	85	115	08/06/2024

Batch R351318		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-014BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.718	0.2500	0.4720	98.4	0.7160	0.28	08/06/2024

Batch R351318		SampType: MS		Units mg/L							
SampID: 24071451-093BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.71	0.5000	1.207	101.0	85	115	08/06/2024	

Batch R351318		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-093BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.70	0.5000	1.207	98.2	1.712	0.82	08/06/2024

Batch R351318		SampType: MS		Units mg/L							
SampID: 24080359-006BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.252	0.2500	0.009000	97.2	85	115	08/06/2024	



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Batch R351318		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080359-006BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.250	0.2500	0.009000	96.4	0.2520	0.80	08/06/2024

Batch R351420		SampType: MS		Units mg/L							
SampID: 24071451-098BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.100	E	2.34	0.5000	1.826	102.8	85	115	08/07/2024	

Batch R351420		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24071451-098BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.100	E	2.32	0.5000	1.826	98.8	2.340	0.86	08/07/2024

Batch R351420		SampType: MS		Units mg/L							
SampID: 24080512-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.239	0.2500	0	95.6	85	115	08/07/2024	

Batch R351420		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24080512-001BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)				0.050		0.241	0.2500	0	96.4	0.2390	0.83	08/07/2024

Batch R351457		SampType: MS		Units mg/L							
SampID: 24080689-004BMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.237	0.2500	0	94.8	85	115	08/08/2024

Batch R351457		SampType: MSD	Units mg/L					RPD Limit 10			Date Analyzed	
SampID: 24080689-004BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Nitrogen, Nitrate-Nitrite (as N)				0.050		0.231	0.2500	0	92.4	0.2370	2.56	08/08/2024



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Client Project: COF-24Q3

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Batch R351061		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-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	07/31/2024	

Batch R351061		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		0.494	0.5000	0	98.8	90	110	07/31/2024	

Batch	R351061	SampType:	MS	Units mg/L							
SampID: 24071451-054AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.8	5.000	10.07	114.9	85	115	07/31/2024	

Batch	R351061	SampType:	MSD	Units mg/L						RPD Limit 10	
SampID: 24071451-054AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.4	5.000	10.07	106.5	15.82	2.70	07/31/2024	

Batch R351061		SampType: MS		Units mg/L							
SampID: 24072405-003CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.279	0.2500	0.04400	94.0	85	115	07/31/2024	

Batch	R351061	SampType:	MSD	Units mg/L						RPD Limit 10	
SampID: 24072405-003CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.274	0.2500	0.04400	92.0	0.2790	1.81	07/31/2024	

Batch R351061		SampType: MS		Units mg/L							
SampID: 24072460-003BMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Nitrogen, Nitrate-Nitrite (as N)			5.00		82.5	25.00	58.00	97.9	90	110	
											07/31/2024

Batch	R351061	SampType:	MSD	Units mg/L							RPD Limit	10
SampID: 24072460-003BMSD												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
Nitrogen, Nitrate-Nitrite (as N)		5.00		81.3	25.00	58.00	93.3	82.47	1.39	07/31/2024		



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Batch R351061		SampType: MS		Units mg/L							
SampID: 24072461-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.11	0.5000	0.6330	96.2	90	110	07/31/2024	

Batch R351061		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072461-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.13	0.5000	0.6330	98.8	1.114	1.16	07/31/2024

Batch R351061		SampType: MS		Units mg/L							
SampID: 24072496-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		32.9	12.50	19.46	107.4	90	110	07/31/2024	

Batch R351061		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072496-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		31.9	12.50	19.46	99.6	32.88	3.00	07/31/2024

Batch	R351125	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						08/01/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	08/01/2024	

Batch R351125		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		0.515	0.5000	0	103.0	90	110	08/01/2024	

Batch R351125		SampType: MS		Units mg/L							
SampID: 24072558-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.250		2.47	1.250	1.339	90.7	90	110	08/01/2024	



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Client Project: COF-24Q3

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Batch R351125		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072558-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.250		2.52	1.250	1.339	94.9	2.473	2.08	08/01/2024

Batch R351125		SampType: MS		Units mg/Kg-dry							
SampID: 24072568-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		3.88		19.4	19.39	0	100.0	85	115	08/01/2024	

Batch R351125		SampType: MSD		Units mg/Kg-dry				RPD Limit 10			
SampID: 24072568-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			3.88		19.5	19.39	0	100.8	19.39	0.80	08/01/2024

Batch R351217		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						08/02/2024
Nitrogen, Nitrate-Nitrite (as N)			0.050		< 0.050	0.0090	0	0	-100	100	08/02/2024

Batch R351217		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		0.523	0.5000	0	104.6	90	110	08/02/2024	

Batch R351217		SampType: MS		Units mg/L							
SampID: 24071451-077AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.248	0.2500	0.03000	87.2	85	115	08/02/2024	

Batch R351217		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-077AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.247	0.2500	0.03000	86.8	0.2480	0.40	08/02/2024



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Batch R351217		SampType: MS		Units mg/L							Date
SampID: 24080017-002BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.09	0.5000	0.6210	93.4	90	110	08/02/2024	

Batch R351217		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080017-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.10	0.5000	0.6210	95.6	1.088	1.01	08/02/2024

Batch R351217		SampType: MS		Units mg/L							Date
SampID: 24080065-001DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		5.00		62.3	25.00	37.50	99.2	90	110	08/02/2024	

Batch R351217		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24080065-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			5.00		62.3	25.00	37.50	99.3	62.30	0.05	08/02/2024

Batch R351217		SampType: MS		Units mg/L							Date
SampID: 24080156-002DMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.500		2.52	2.500	0.09900	96.9	90	110	08/02/2024	

Batch R351217		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080156-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.500		2.52	2.500	0.09900	96.9	2.522	0.04	08/02/2024

Batch R351217		SampType: MS		Units mg/L							Date
SampID: 24080161-006BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		1.00		12.9	5.000	7.917	98.8	90	110	08/02/2024	

Batch R351217		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080161-006BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		12.8	5.000	7.917	98.3	12.86	0.22	08/02/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

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Batch R351271		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						08/05/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	08/05/2024	

Batch R351271		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		0.479	0.5000	0	95.8	90	110	08/05/2024	

Batch R351271		SampType: MS		Units mg/Kg-dry						
SampID: 24080115-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.18		9.70	5.917	3.905	98.0	85	115	08/05/2024

Batch R351271		SampType: MSD		Units mg/Kg-dry				RPD Limit 10			Date Analyzed
SampID: 24080115-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			1.18		9.63	5.917	3.905	96.8	9.704	0.73	08/05/2024

Batch R351271		SampType: MS		Units mg/L						
SampID: 24080167-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)		1.00		15.1	5.000	10.26	97.7	90	110	08/05/2024

Batch R351271		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080167-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		15.1	5.000	10.26	97.1	15.14	0.20	08/05/2024

Batch R351271		SampType: MS		Units mg/L							
SampID: 24080215-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		1.00		9.84	5.000	4.924	98.3	90	110	08/05/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	R351271	SampType:	MSD	Units	mg/L	RPD Limit	10					Date Analyzed
SampID:	24080215-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		1.00		9.76	5.000	4.924	96.6	9.841	0.88			08/05/2024

Batch	R351271	SampType:	MS	Units	mg/L							Date Analyzed
SampID:	24080277-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrate-Nitrite (as N)		2.50		33.7	12.50	21.56	97.4	90	110			08/05/2024

Batch	R351271	SampType:	MSD	Units	mg/L	RPD Limit	10					Date Analyzed
SampID:	24080277-002AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		2.50		34.6	12.50	21.56	104.0	33.74	2.42			08/05/2024

Batch	R351318	SampType:	MBLK	Units	mg/L							Date Analyzed
SampID:	ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrate (as N)		0.050		< 0.050								08/06/2024
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100			08/06/2024

Batch	R351318	SampType:	LCS	Units	mg/L							Date Analyzed
SampID:	ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.470	0.5000	0	94.0	90	110			08/06/2024

Batch	R351318	SampType:	MS	Units	mg/L							Date Analyzed
SampID:	24080388-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	0.242	0.2500	0	96.8	90	110			08/06/2024

Batch	R351318	SampType:	MSD	Units	mg/L	RPD Limit	10					Date Analyzed
SampID:	24080388-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Nitrogen, Nitrate-Nitrite (as N)		0.050	H	0.236	0.2500	0	94.4	0.2420	2.51			08/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch R351420		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						08/07/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	08/07/2024	

Batch R351420		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		0.484	0.5000	0	96.8	90	110	08/07/2024	

Batch R351420		SampType: MS		Units mg/L							
SampID: 24080571-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		2.50		29.7	12.50	17.39	98.7	90	110	08/07/2024	

Batch R351420		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080571-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			2.50		30.3	12.50	17.39	103.1	29.72	1.83	08/07/2024

Batch R351420		SampType: MS		Units mg/L							
SampID: 24080582-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.500		4.89	2.500	2.426	98.5	90	110	08/07/2024	

Batch R351420		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080582-002AMSD											
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	2.426	93.1	4.889	2.82	08/07/2024

Batch R351457		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						08/08/2024	
Nitrogen, Nitrate-Nitrite (as N)		0.050		< 0.050	0.0090	0	0	-100	100	08/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch R351457		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		0.481	0.5000	0	96.2	90	110	08/08/2024	

Batch R351457		SampType: MS		Units mg/L							
SampID: 24080397-006AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.500		6.49	2.500	4.005	99.5	90	110	08/08/2024	

Batch R351457		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080397-006AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.500		6.45	2.500	4.005	98.0	6.493	0.60	08/08/2024

Batch R351457		SampType: MS		Units mg/L							
SampID: 24080483-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		1.00		18.4	5.000	13.51	98.4	90	110	08/08/2024	

Batch R351457		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080483-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			1.00		18.3	5.000	13.51	96.2	18.43	0.60	08/08/2024

Batch R351457		SampType: MS		Units mg/L							
SampID: 24080588-001BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Nitrogen, Nitrate-Nitrite (as N)		0.250		3.04	1.250	1.782	100.8	90	110	08/08/2024	

Batch R351457		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080588-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.250		3.09	1.250	1.782	104.7	3.042	1.60	08/08/2024

Batch R351457		SampType: MS		Units mg/L							
SampID: 24080597-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.050		0.263	0.2500	0.01900	97.6	90	110	08/08/2024	



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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Batch R351457		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24080597-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Nitrogen, Nitrate-Nitrite (as N)			0.050		0.262	0.2500	0.01900	97.2	0.2630	0.38	08/08/2024

Batch R351457		SampType: MS		Units mg/L							
SampID: 24080678-003BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Nitrogen, Nitrate-Nitrite (as N)		0.100		1.76	0.5000	1.268	98.4	90	110	08/08/2024	

Batch R351457		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080678-003BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Nitrogen, Nitrate-Nitrite (as N)			0.100		1.74	0.5000	1.268	95.4	1.760	0.86	08/08/2024

SW-846 9012A (TOTAL)

Batch 226480		SampType: MBLK		Units mg/L							
SampID: MBLK 240731 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	08/01/2024	

Batch 226480		SampType: LCS		Units mg/L							
SampID: LCS 240731 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.022	0.0250	0	89.7	85	115	08/01/2024	

Batch 226480		SampType: MS		Units mg/L							
SampID: 24071451-030EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	101.5	75	125	08/01/2024	

Batch 226480		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-030EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.024	0.0250	0	97.2	0.02538	4.37	08/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226619		SampType: MBLK		Units mg/L							
SampID: MBLK 240802 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	08/05/2024	

Batch 226619		SampType: LCS		Units mg/L							
SampID: LCS 240802 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	95.6	85	115	08/05/2024	

Batch 226619		SampType: MS		Units mg/L							
SampID: 24080007-001HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	91.1	75	125	08/05/2024	

Batch 226619		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080007-001HMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Cyanide		0.005		0.023	0.0250	0	92.3	0.02277	1.33	08/05/2024	

Batch 226619		SampType: MS		Units mg/L							
SampID: 24080009-001HMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.020	0.0250	0	78.7	75	125	08/05/2024	

Batch 226619		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080009-001HMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.020	0.0250	0	78.2	0.01968	0.66	08/05/2024

Batch 226680		SampType: MBLK		Units mg/L							
SampID: MBLK 240805 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	08/06/2024	

Batch 226680		SampType: LCS		Units mg/L							
SampID: LCS 240805 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	101.5	90	110	08/06/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226680		SampType: MS		Units mg/L							
SampID: 24080111-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	104.5	90	110	08/06/2024	

Batch 226680		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080111-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.024	0.0250	0	97.4	0.02612	7.04	08/06/2024

Batch 226681		SampType: MBLK		Units mg/L							
SampID: MBLK 240805 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	08/06/2024	

Batch 226681		SampType: LCS		Units mg/L							
SampID: LCS 240805 TCN2											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005		0.026	0.0250	0	103.4	90	110	08/06/2024	

Batch 226681		SampType: MS		Units mg/L							
SampID: 24071451-049EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.027	0.0250	0	107.3	75	125	08/06/2024	

Batch 226681		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-049EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.026	0.0250	0	105.6	0.02682	1.63	08/06/2024

Batch 226681		SampType: MS		Units mg/L							
SampID: 24080305-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	101.3	90	110	08/06/2024	

Batch 226681		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080305-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.026	0.0250	0	103.1	0.02532	1.78	08/06/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226764		SampType: MBLK		Units mg/L							
SampID: MBLK 240806 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	08/07/2024	

Batch 226764		SampType: LCS		Units mg/L							
SampID: LCS 240806 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	104.9	90	110	08/07/2024	

Batch 226764		SampType: MS		Units mg/L							
SampID: 24072505-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.028	0.0250	0.003470	98.5	90	110	08/07/2024	

Batch 226764		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24072505-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.028	0.0250	0.003470	97.3	0.02808	1.00	08/07/2024

Batch 226764		SampType: MS		Units mg/L							
SampID: 24072536-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.019	0.0250	0.001915	67.6	90	110	08/07/2024	

Batch 226764		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24072536-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.021	0.0250	0.001915	76.0	0.01882	10.57	08/07/2024

Batch 226765		SampType: MBLK		Units mg/L							
SampID: MBLK 240806 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	08/07/2024	

Batch 226765		SampType: LCS		Units mg/L							
SampID: LCS 240806 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.026	0.0250	0	103.6	90	110	08/07/2024	



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

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SW-846 9012A (TOTAL)

Batch 226765		SampType: MS		Units mg/L							
SampID: 24080185-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.024	0.0250	0.005185	75.0	90	110	08/07/2024	

Batch 226765		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080185-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	R	0.029	0.0250	0.005185	95.5	0.02392	19.42	08/07/2024

Batch 226765		SampType: MS		Units mg/L							Date Analyzed
SampID: 24080279-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.025	S	0.073	0.1250	0	58.6	90	110	08/07/2024	

Batch 226765		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24080279-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide		0.025	S	0.074	0.1250	0	59.5	0.07328	1.46	08/07/2024	

Batch 226818		SampType: MBLK		Units mg/L							
SampID: MBLK 240807 TCN1											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	08/08/2024	

Batch 226818		SampType: LCS		Units mg/L							
SampID: LCS 240807 TCN1											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Cyanide		0.005		0.025	0.0250	0	98.1	90	110	08/08/2024	

Batch 226818		SampType: MS		Units mg/L							
SampID: 24071451-007EMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005	S	0.017	0.0250	0	69.5	75	125		

Batch 226818		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24071451-007EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.017	0.0250	0	67.4	0.01738	3.16	08/08/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226820		SampType: MBLK		Units mg/L							
SampID: MBLK 240807 TCN3											
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	08/08/2024	

Batch 226820		SampType: LCS		Units mg/L							
SampID: LCS 240807 TCN3											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	98.9	85	115	08/08/2024	

Batch 226820		SampType: MS		Units mg/L							
SampID: 24080359-002DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.024	0.0250	0	98.0	75	125	08/08/2024	

Batch 226820		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080359-002DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.025	0.0250	0	101.0	0.02450	3.02	08/08/2024

Batch 226820		SampType: MS		Units mg/L							
SampID: 24080359-007DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	100.9	75	125	08/08/2024	

Batch 226820		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080359-007DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005		0.025	0.0250	0	98.7	0.02522	2.16	08/08/2024

Batch 226879		SampType: MBLK		Units mg/L							
SampID: MBLK 240808 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	08/09/2024	

Batch 226879		SampType: LCS		Units mg/L							
SampID: LCS 240808 TCN2											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	98.3	85	115	08/09/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 226879		SampType: MS		Units mg/L							
SampID: 24080513-002EMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.025	0.0250	0	99.6	75	125	08/09/2024	

Batch 226879		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24080513-002EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide		0.005		0.025	0.0250	0	98.5	0.02491	1.15	08/09/2024	

Batch 226879		SampType: MS		Units mg/L						
SampID: 24080513-010EMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		0.026	0.0250	0.001550	96.8	75	125	08/09/2024

Batch 226879		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24080513-010EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Cyanide		0.005		0.027	0.0250	0.001550	101.5	0.02576	4.46	08/09/2024	

Batch 226930		SampType: MBLK		Units mg/L							
SampID: MBLK 240809 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	08/12/2024	

Batch 226930		SampType: LCS		Units mg/L							
SampID: LCS 240809 TCN2											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.005		0.023	0.0250	0	91.2	90	110		

Batch 227393		SampType: MBLK		Units mg/L							
SampID: MBLK 240820 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	08/22/2024	

Batch 227393		SampType: LCS		Units mg/L							
SampID: LCS 240820 TCN1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005		0.025	0.0250	0	101.4	90	110	08/22/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9012A (TOTAL)

Batch 227393		SampType: MS		Units mg/L							
SampID: 24081349-001CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Cyanide		0.025		0.122	0.1250	0	97.5	90	110	08/22/2024	

Batch 227393		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24081349-001CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.025		0.123	0.1250	0	98.5	0.1218	1.02	08/22/2024

Batch 227393		SampType: MS		Units mg/L							
SampID: 24081364-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Cyanide		0.005	S	0.030	0.0250	0.008085	88.0	90	110	08/22/2024	

Batch 227393		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24081364-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide			0.005	S	0.028	0.0250	0.008085	81.4	0.03008	5.66	08/22/2024

SW-846 9036 (DISSOLVED)

Batch R351209		SampType: MS		Units mg/L							
SampID: 24071451-025BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		20	E	109	40.00	74.09	88.1	85	115	08/02/2024	

Batch R351209		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-025BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20	E	113	40.00	74.09	96.7	109.3	3.08	08/02/2024

Batch R351209		SampType: MS		Units mg/L							
SampID: 24071451-031BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	E	54	20.00	36.52	89.9	85	115	08/02/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9036 (DISSOLVED)

Batch R351209		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24071451-031BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Sulfate			10	E	55	20.00	36.52	92.6	54.50	0.99	08/02/2024

Batch R351305		SampType: MS		Units mg/L							
SampID: 24071451-034BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50		171	100.0	79.20	91.9	85	115	08/06/2024	

Batch R351305		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-034BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		174	100.0	79.20	94.8	171.1	1.65	08/06/2024

Batch R351398		SampType: MS		Units mg/L							
SampID: 24071451-014BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		90	40.00	50.64	99.3	85	115	08/07/2024	

Batch R351398		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24071451-014BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			20		90	40.00	50.64	98.2	90.35	0.48	08/07/2024	

Batch R351398		SampType: MS		Units mg/L							
SampID: 24080359-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		209	100.0	114.5	94.0	85	115	08/07/2024	

Batch R351398		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080359-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		215	100.0	114.5	100.5	208.5	3.04	08/07/2024

Batch R351547		SampType: MS		Units mg/L							
SampID: 24071451-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		316	200.0	133.2	91.4	85	115	08/09/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9036 (DISSOLVED)

Batch R351547		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-018BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		314	200.0	133.2	90.5	316.0	0.57	08/09/2024

Batch R351547		SampType: MS		Units mg/L							
SampID: 24071451-044BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		97	40.00	55.40	103.6	85	115	08/09/2024	

Batch R351547		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24071451-044BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			20		99	40.00	55.40	108.9	96.84	2.18	08/09/2024	

Batch R351547		SampType: MS		Units mg/L							
SampID: 24071451-098BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		90	40.00	49.59	100.8	85	115	08/09/2024	

Batch R351547		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24071451-098BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			20		93	40.00	49.59	108.6	89.89	3.43	08/09/2024	

Batch R351845		SampType: MS		Units mg/L							
SampID: 24080823-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		473	200.0	298.6	87.3	85	115	08/15/2024	

Batch R351845		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080823-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		486	200.0	298.6	93.9	473.3	2.75	08/15/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351209		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	08/02/2024	

Batch R351209		SampType: MBLK		Units mg/L							
SampID: MBLK-226428											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate	*	10	J	9	9.400	0	100.0	-100	100	08/02/2024	

Batch R351209		SampType: LCS		Units mg/L							
SampID: LCS/ICV											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	95.6	90	110	08/02/2024	

Batch R351209		SampType: MS		Units mg/L							
SampID: 24072398-001AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10	S	23	20.00	9.380	70.0	90	110	08/02/2024	

Batch R351209		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072398-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10	S	24	20.00	9.380	70.8	23.39	0.68	08/02/2024	

Batch R351305		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	08/06/2024	

Batch R351305		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		18	20.00	0	92.2	90	110	08/06/2024	

Batch R351305		SampType: MS		Units mg/L							
SampID: 24072470-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		186	100.0	88.42	97.9	85	115	08/06/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351305		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24072470-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		50		183	100.0	88.42	94.3	186.3	1.95		

Batch R351305		SampType: MS		Units mg/L							Date Analyzed	
SampID: 24072589-002AMS												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Sulfate		100		432	200.0	233.8	98.9	85	115			

Batch R351305		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed	
SampID: 24072589-002AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate			100		442	200.0	233.8	104.1	431.6	2.40		

Batch R351305		SampType: MS		Units mg/L							
SampID: 24072590-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		410	200.0	218.9	95.3	85	115	08/06/2024	

Batch R351305		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072590-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		413	200.0	218.9	97.2	409.6	0.89	08/06/2024

Batch R351305		SampType: MS		Units mg/L							
SampID: 24072591-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		203	100.0	103.7	98.8	85	115	08/06/2024	

Batch R351305		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072591-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		203	100.0	103.7	99.4	202.5	0.25	08/06/2024

Batch R351305		SampType: MS		Units mg/L							
SampID: 24072592-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	E	262	100.0	156.2	105.6	85	115	08/06/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351305		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24072592-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50	E	271	100.0	156.2	114.8	261.8	3.46	08/06/2024

Batch R351305		SampType: MS		Units mg/L							
SampID: 24080304-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100	E	505	200.0	307.2	98.9	90	110	08/06/2024	

Batch R351305		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080304-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100	E	512	200.0	307.2	102.6	505.1	1.43	08/06/2024

Batch R351398		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	08/07/2024	

Batch R351398		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	95.2	90	110	08/07/2024	

Batch R351398		SampType: MS		Units mg/L							
SampID: 24071451-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		250	100.0	146.4	103.3	85	115	08/07/2024	

Batch R351398		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50	E	253	100.0	146.4	106.9	249.6	1.44	08/07/2024

Batch R351398		SampType: MS		Units mg/L							
SampID: 24080156-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		1000		3590	2000	1771	90.8	90	110	08/07/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351398		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080156-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			1000		3650	2000	1771	93.7	3587	1.64	08/07/2024

Batch R351398		SampType: MS		Units mg/L							
SampID: 24080228-001BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		50	E	271	100.0	170.6	100.2	90	110	08/07/2024	

Batch R351398		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080228-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50	E	272	100.0	170.6	101.3	270.8	0.41	08/07/2024

Batch R351547		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	08/09/2024	

Batch R351547		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		18	20.00	0	90.3	90	110	08/09/2024	

Batch R351547		SampType: MS		Units mg/L							
SampID: 24080678-003AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		10	E	57	20.00	38.22	91.9	90	110	08/09/2024	

Batch R351547		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080678-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	E	59	20.00	38.22	101.7	56.60	3.39	08/09/2024

Batch R351547		SampType: MS		Units mg/L							
SampID: 24080680-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	E	52	20.00	33.15	95.8	90	110	08/09/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351547		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080680-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10	E	53	20.00	33.15	99.2	52.31	1.29	08/09/2024

Batch R351547		SampType: MS		Units mg/L							
SampID: 24080862-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		5000		20800	10000	11000	98.3	90	110	08/09/2024	

Batch R351547		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080862-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			5000		21300	10000	11000	103.3	20830	2.34	08/09/2024

Batch R351588		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		< 10	6.140	0	0	-100	100	08/12/2024	

Batch R351588		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		19	20.00	0	94.4	90	110	08/12/2024	

Batch R351588		SampType: MS		Units mg/L							
SampID: 24071451-031AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		72	40.00	35.11	91.0	85	115	08/12/2024	

Batch R351588		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-031AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20		71	40.00	35.11	88.9	71.53	1.21	08/12/2024

Batch R351588		SampType: MS		Units mg/L							
SampID: 24071451-042AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	E	112	40.00	74.18	94.1	85	115	08/12/2024	



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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Batch R351588		SampType: MSD		Units mg/L				RPD Limit 10			Date Analyzed
SampID: 24071451-042AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Sulfate		20	E	115	40.00	74.18	102.3	111.8	2.89	08/12/2024	

Batch R351588		SampType: MS		Units mg/L							
SampID: 24071451-044AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20		100	40.00	64.57	88.6	85	115	08/12/2024	

Batch R351588		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-044AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20	E	104	40.00	64.57	97.8	99.99	3.65	08/12/2024

Batch R351588		SampType: MS		Units mg/L							
SampID: 24071451-058AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		20	E	109	40.00	70.30	96.8	85	115	08/12/2024	

Batch R351588		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24071451-058AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			20	E	108	40.00	70.30	94.4	109.0	0.88	08/12/2024

Batch R351588		SampType: MS		Units mg/L							
SampID: 24081024-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		228	100.0	124.6	103.3	90	110	08/12/2024	

Batch R351588		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24081024-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		227	100.0	124.6	102.9	227.9	0.20	08/12/2024

Batch R351588		SampType: MS		Units mg/L							
SampID: 24081026-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100	E	519	200.0	337.3	90.8	90	110	08/13/2024	



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9036 (TOTAL)

Batch R351588		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24081026-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100	E	529	200.0	337.3	95.8	518.9	1.91	08/13/2024

Batch R351588		SampType: MS		Units mg/L							
SampID: 24081027-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Sulfate		100	E	532	200.0	332.5	99.7	90	110	08/13/2024	

Batch R351588		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24081027-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100	E	521	200.0	332.5	94.4	531.9	2.05	08/13/2024

Batch R351696		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	08/13/2024

Batch R351696		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		18	20.00	0	92.4	90	110	08/13/2024	

Batch R351696		SampType: MS		Units mg/L							
SampID: 24080553-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10	S	20	20.00	7.020	65.7	85	115	08/13/2024	

Batch R351696		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080553-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Sulfate		10	S	22	20.00	7.020	73.5	20.15	7.50	08/13/2024	

Batch R351696		SampType: MS		Units mg/L							
SampID: 24080553-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		44	20.00	23.54	100.4	85	115	08/13/2024	



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Work Order: 24071451

Client Project: COF-24Q3

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SW-846 9036 (TOTAL)

Batch R351696		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080553-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		44	20.00	23.54	104.2	43.63	1.73	08/13/2024

Batch R351696		SampType: MS		Units mg/L							
SampID: 24080553-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		10		31	20.00	12.99	89.2	85	115	08/13/2024	

Batch R351696		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080553-005AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			10		30	20.00	12.99	86.9	30.82	1.47	08/13/2024

Batch R351696		SampType: MS		Units mg/L							
SampID: 24080717-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	SH	149	100.0	65.75	82.8	90	110	08/13/2024	

Batch R351696		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080717-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50	SH	150	100.0	65.75	84.2	148.6	0.89	08/13/2024

Batch R351696		SampType: MS		Units mg/L							
SampID: 24080717-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		363	200.0	158.3	102.3	90	110	08/13/2024	

Batch R351696		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080717-005AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		362	200.0	158.3	102.0	362.8	0.12	08/13/2024

Batch R351845		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate			10		< 10	6.140	0	0	-100	100	08/15/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

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SW-846 9036 (TOTAL)

Batch R351845		SampType: LCS		Units mg/L							
SampID: ICV/LCS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Sulfate		10		19	20.00	0	93.8	90	110	08/15/2024	

Batch R351845		SampType: MS		Units mg/L							
SampID: 24071451-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		169	100.0	75.41	93.1	85	115	08/15/2024	

Batch R351845		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24071451-025AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		176	100.0	75.41	100.4	168.5	4.24	08/15/2024

Batch R351845		SampType: MS		Units mg/L							
SampID: 24071451-077AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50		186	100.0	87.05	98.8	85	115	08/15/2024	

Batch R351845		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24071451-077AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50		187	100.0	87.05	100.4	185.8	0.87	08/15/2024

Batch R351845		SampType: MS		Units mg/L							
SampID: 24080820-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		50	E	258	100.0	165.4	92.8	85	115	08/15/2024	

Batch R351845		SampType: MSD		Units mg/L					RPD Limit 10		
SampID: 24080820-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			50	E	258	100.0	165.4	92.2	258.2	0.26	08/15/2024

Batch R351845		SampType: MS		Units mg/L							
SampID: 24080823-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Sulfate		100		487	200.0	284.1	101.5	85	115	08/15/2024	



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

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Batch R351845		SampType: MSD		Units mg/L				RPD Limit 10			
SampID: 24080823-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate			100		470	200.0	284.1	93.1	487.1	3.50	08/15/2024

SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351389		SampType: MS		Units mg/L							
SampID: 24071451-004BMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Fluoride	*	0.50		10.3	10.00	0.2670	100.0	80	120	08/07/2024	

Batch R351389		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-004BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.50		10.2	10.00	0.2670	99.6	10.27	0.42	08/07/2024

Batch R351389		SampType: MS		Units mg/L							
SampID: 24071451-010BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.50		10.2	10.00	0.2570	99.6	80	120	08/07/2024	

Batch R351389		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-010BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.50		10.2	10.00	0.2570	99.8	10.22	0.18	08/07/2024

Batch R351389		SampType: MS		Units mg/L							
SampID: 24071451-011BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.50		10.3	10.00	0.2720	99.8	80	120	08/07/2024	

Batch R351389		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-011BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.50		10.2	10.00	0.2720	99.5	10.25	0.31	08/07/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

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SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351419		SampType: MS		Units mg/L							Date
SampID: 24071451-018BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride	*	0.50		10.2	10.00	0.3040	98.6	80	120	08/08/2024	

Batch R351419		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24071451-018BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride	*	0.50		10.2	10.00	0.3040	99.4	10.16	0.80	08/08/2024		

Batch R351606		SampType: MS		Units mg/L							Date
SampID: 24071451-022BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride	*	0.50		10.5	10.00	0.5660	99.0	80	120	08/13/2024	

Batch R351606		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24071451-022BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride	*	0.50		10.5	10.00	0.5660	99.1	10.46	0.12	08/13/2024		

Batch R351606		SampType: MS		Units mg/L							Date
SampID: 24071451-024BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride	*	0.50		10.4	10.00	0.4570	99.3	80	120	08/13/2024	

Batch R351606		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24071451-024BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride	*	0.50		10.4	10.00	0.4570	99.7	10.38	0.38	08/13/2024		

Batch R351606		SampType: MS		Units mg/L							Date
SampID: 24071451-025BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride	*	0.50		10.8	10.00	0.9060	99.3	80	120	08/13/2024	

Batch R351606		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24071451-025BMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Fluoride	*	0.50		10.8	10.00	0.9060	99.3	10.84	0.02	08/13/2024		



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Client Project: COF-24Q3

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SW846 9056A DISSOLVED ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351606		SampType: MS		Units mg/L							
SampID: 24071451-026BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride	*	0.50		10.7	10.00	0.7180	100.2	80	120	08/13/2024	

Batch R351606		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-026BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.50		10.7	10.00	0.7180	99.3	10.74	0.87	08/13/2024

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351389		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						08/07/2024	

Batch R351389		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		1.01	1.000	0	101.4	90	110	08/07/2024	

Batch R351389		SampType: MS		Units mg/L							
SampID: 24071451-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.50		10.2	10.00	0.3060	99.3	80	120	08/07/2024	

Batch R351389		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.50		10.3	10.00	0.3060	99.7	10.23	0.47	08/07/2024

Batch R351389		SampType: MS		Units mg/L							
SampID: 24071451-012AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.50		10.3	10.00	0.3330	100.1	80	120	08/07/2024	



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Client Project: COF-24Q3

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SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351389		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-012AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.50		10.3	10.00	0.3330	99.5	10.34	0.53	08/07/2024

Batch R351389		SampType: MS		Units mg/L							
SampID: 24080156-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride	*	0.10	S	0.88	2.000	0.02840	42.6	80	120	08/07/2024	

Batch R351389		SampType: MSD		Units mg/L					RPD Limit 15		
SampID: 24080156-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.10	S	0.84	2.000	0.02840	40.8	0.8814	4.26	08/07/2024

Batch R351389		SampType: MS		Units mg/L							
SampID: 24080305-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.10		2.18	2.000	0.1666	100.7	80	120	08/07/2024	

Batch R351389		SampType: MSD		Units mg/L				RPD Limit 15				Date Analyzed
SampID: 24080305-001AMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Fluoride			0.10		2.19	2.000	0.1666	101.0	2.181	0.23		

Batch R351419		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						08/08/2024	

Batch R351419		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		0.99	1.000	0	98.6	90	110	08/08/2024	

Batch R351419		SampType: MS		Units mg/L							
SampID: 24071451-044AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.50		10.2	10.00	0.3140	99.0	80	120	08/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351419		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-044AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.50		10.2	10.00	0.3140	99.0	10.21	0.07	08/08/2024

Batch R351419		SampType: MS		Units mg/L							
SampID: 24080678-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		10.2	10.00	0.3010	98.9	80	120	08/08/2024	

Batch R351419		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24080678-004AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		10.3	10.00	0.3010	99.5	10.19	0.64	

Batch R351419		SampType: MS		Units mg/L							
SampID: 24080715-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride		0.50		10.7	10.00	0.8410	98.4	80	120	08/08/2024	

Batch R351419		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24080715-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride			0.50		10.7	10.00	0.8410	98.9	10.68	0.49	

Batch R351606		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						08/13/2024	

Batch R351606		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		0.99	1.000	0	98.9	90	110	08/13/2024	

Batch R351606		SampType: MS		Units mg/L							
SampID: 24071451-025AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Fluoride	*	0.50		10.9	10.00	0.8930	99.6	80	120	08/13/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW846 9056A TOTAL ANIONIC COMPOUNDS BY ION CHROMATOGRAPHY

Batch R351606		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-025AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Fluoride		*	0.50		10.9	10.00	0.8930	99.7	10.85	0.05	08/13/2024

Batch R351606		SampType: MS		Units mg/L							
SampID: 24071451-028AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Fluoride	*	0.50		10.2	10.00	0.3960	98.4	80	120		

Batch R351606		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24071451-028AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Fluoride		*	0.50		10.3	10.00	0.3960	99.2	10.24	0.74	08/13/2024

SW-846 9066 (TOTAL)

Batch R351148		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		< 0.005	0.0028	0	0	-100	100	08/02/2024	

Batch R351148		SampType: LCS		Units mg/L							
SampID: ICB/LCS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005		0.049	0.0500	0	98.2	90	110	08/02/2024	

Batch R351148		SampType: MS		Units µg/L							Date Analyzed
SampID: 24071451-030FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		5		49	50.00	0	98.5	85	115	08/02/2024	

Batch R351148		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-030FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	101.0	49.26	2.51	08/02/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351148		SampType: MS		Units mg/L							
SampID: 24080025-002EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.025		0.256	0.2500	0	102.6	90	110	08/02/2024	

Batch R351148		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080025-002EMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.025		0.262	0.2500	0	104.6	0.2565	1.99	08/02/2024	

Batch R351148		SampType: MS		Units mg/L							
SampID: 24080094-001EMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.055	0.0500	0.003860	101.9	90	110	08/02/2024	

Batch R351148		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080094-001EMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005		0.053	0.0500	0.003860	98.3	0.05481	3.34	08/02/2024

Batch R351322		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	08/06/2024	

Batch R351322		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	99.6	90	110	08/06/2024	

Batch R351322		SampType: MS		Units mg/L							
SampID: 24080065-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.050		0.551	0.5000	0.05054	100.1	90	110	08/06/2024	

Batch R351322		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080065-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.050		0.556	0.5000	0.05054	101.2	0.5511	0.94	08/06/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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Batch R351322		SampType: MS		Units mg/L						
SampID: 24080184-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	0.078	0.0500	0.01632	123.3	90	110	08/06/2024

Batch R351322		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080184-002BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005	S	0.080	0.0500	0.01632	127.4	0.07799	2.59	08/06/2024	

Batch R351322		SampType: MS		Units mg/L							
SampID: 24080282-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.065	0.0500	0.003720	123.2	90	110	08/06/2024	

Batch R351322		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080282-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005	S	0.064	0.0500	0.003720	121.3	0.06532	1.50	08/06/2024

Batch R351322		SampType: MS		Units mg/L							
SampID: 24080305-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005	S	0.061	0.0500	0.002900	116.2	90	110	08/06/2024	

Batch R351322		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080305-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005	S	0.059	0.0500	0.002900	112.5	0.06100	3.10	08/06/2024

Batch R351359		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	08/07/2024	

Batch R351359		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.051	0.0500	0	102.6	90	110	08/07/2024	



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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Batch R351359		SampType: MS		Units mg/L						
SampID: 24080408-002BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		0.005	S	0.081	0.0500	0.01071	140.0	90	110	08/07/2024

Batch R351359		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080408-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005	S	0.078	0.0500	0.01071	134.3	0.08073	3.61	08/07/2024

Batch R351359		SampType: MS		Units mg/L							Date Analyzed
SampID: 24080416-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005	S	0.071	0.0500	0.007080	127.3	90	110	08/07/2024	

Batch R351359		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080416-002BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005	S	0.070	0.0500	0.007080	126.8	0.07073	0.34	08/07/2024

Batch R351516		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	08/09/2024	

Batch R351516		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		0.050	0.0500	0	100.9	90	110	08/09/2024	

Batch R351516		SampType: MS		Units µg/L								
SampID: 24071451-005FMS												Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed		
Phenols		5		52	50.00	0	104.3	85	115	08/09/2024		

Batch R351516		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-005FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	101.9	52.16	2.39	08/09/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351516		SampType: MS		Units µg/L							
SampID: 24071451-027FMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		5		50	50.00	0	100.7	85	115	08/09/2024	

Batch R351516		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-027FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		51	50.00	0	102.1	50.35	1.34	08/09/2024

Batch R351516		SampType: MS		Units µg/L							
SampID: 24071451-037FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		54	50.00	0	107.5	85	115	08/09/2024	

Batch R351516		SampType: MSD		Units µg/L		RPD Limit 15					Date Analyzed
SampID: 24071451-037FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Phenols			5		54	50.00	0	107.6	53.73	0.09	08/09/2024

Batch R351516		SampType: MS		Units µg/L							
SampID: 24071451-089FMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		59	50.00	8.190	102.6	85	115	08/09/2024	

Batch R351516		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-089FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		61	50.00	8.190	105.8	59.49	2.62	08/09/2024

Batch R351516		SampType: MS		Units mg/L							Date Analyzed
SampID: 24080573-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Phenols		0.005	S	0.063	0.0500	0.003890	119.2	90	110	08/09/2024	

Batch R351516		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080573-001GMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			0.005	S	0.066	0.0500	0.003890	124.0	0.06349	3.73	08/09/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9066 (TOTAL)

Batch R351516		SampType: MS		Units mg/L							
SampID: 24080791-001DMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		0.005	S	0.064	0.0500	0.003960	119.2	90	110	08/09/2024	

Batch R351516		SampType: MSD		Units mg/L								RPD Limit 15	Date
SampID: 24080791-001DMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Phenols		0.005	S	0.061	0.0500	0.003960	114.6	0.06356	3.72				08/09/2024

Batch R351660		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	08/13/2024	

Batch R351660		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		0.047	0.0500	0	93.3	90	110	08/13/2024	

Batch R351660		SampType: MS		Units µg/L							
SampID: 24071451-044FMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Phenols		5		51	50.00	0	102.7	85	115	08/13/2024	

Batch R351660		SampType: MSD		Units µg/L								RPD Limit 15	Date
SampID: 24071451-044FMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Phenols		5		52	50.00	0	104.3	51.34	1.55				08/13/2024

Batch R351660		SampType: MS		Units µg/L							
SampID: 24080600-002BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		5		50	50.00	0	100.8	85	115	08/13/2024	

Batch R351660		SampType: MSD		Units µg/L								RPD Limit 15	Date
SampID: 24080600-002BMSD													Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD				
Phenols		5		51	50.00	0	101.4	50.38	0.59				08/13/2024



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

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Batch R351660		SampType: MS		Units µg/L						
SampID: 24080810-001FMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Phenols		5		53	50.00	0	105.8	85	115	08/13/2024

Batch R351660		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24080810-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Phenols			5		54	50.00	0	107.0	52.89	1.18	08/13/2024

Batch R351660		SampType: MS		Units mg/L							
SampID: 24081005-001GMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Phenols		0.005		0.054	0.0500	0	107.4	90	110	08/13/2024	

Batch R351660		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24081005-001GMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Phenols		0.005		0.054	0.0500	0	108.7	0.05368	1.26	08/13/2024	

SW-846 9251 (DISSOLVED)

Batch R351226		SampType: MS		Units mg/L						
SampID: 24071451-025BMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Chloride		4		23	20.00	3.650	98.0	85	115	08/02/2024

Batch R351226		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-025BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		23	20.00	3.650	98.1	23.24	0.13	08/02/2024

Batch R351226		SampType: MS		Units mg/L							
SampID: 24071451-031BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	57	20.00	36.98	98.6	85	115	08/02/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9251 (DISSOLVED)

Batch R351226		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24071451-031BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chloride			4	E	57	20.00	36.98	98.6	56.69	0.04	08/02/2024

Batch R351226		SampType: MS		Units mg/L							
SampID: 24071451-034BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	E	66	20.00	43.63	111.5	85	115	08/02/2024	

Batch R351226		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed
SampID: 24071451-034BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Chloride			4	E	65	20.00	43.63	109.0	65.93	0.78	08/02/2024

Batch R351406		SampType: MS		Units mg/L							
SampID: 24071451-014BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		8		71	40.00	35.24	89.3	85	115	08/07/2024	

Batch R351406		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-014BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		70	40.00	35.24	87.0	70.95	1.26	08/07/2024

Batch R351406		SampType: MS		Units mg/L							
SampID: 24080359-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		136	100.0	42.97	93.3	85	115	08/07/2024	

Batch R351406		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080359-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		138	100.0	42.97	94.7	136.3	1.03	08/07/2024

Batch R351555		SampType: MS		Units mg/L							
SampID: 24071451-018BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		20		151	100.0	58.68	92.3	85	115	08/09/2024	



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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

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SW-846 9251 (DISSOLVED)

Batch R351555		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-018BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			20		153	100.0	58.68	94.4	151.0	1.39	08/09/2024

Batch R351555		SampType: MS		Units mg/L							
SampID: 24071451-044BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		30	20.00	12.60	88.8	85	115	08/09/2024	

Batch R351555		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24071451-044BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		31	20.00	12.60	89.6	30.36	0.53	08/09/2024	

Batch R351555		SampType: MS		Units mg/L							
SampID: 24071451-098BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		27	20.00	8.010	92.5	85	115	08/09/2024	

Batch R351555		SampType: MSD		Units mg/L				RPD Limit 15			Date Analyzed	
SampID: 24071451-098BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			4		27	20.00	8.010	92.6	26.51	0.04	08/09/2024	

Batch R351860		SampType: MS		Units mg/L							
SampID: 24080823-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		200		1520	1000	606.4	91.8	85	115	08/15/2024	

Batch R351860		SampType: MSD		Units mg/L		RPD Limit 15					Date Analyzed	
SampID: 24080823-001BMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Chloride			200		1520	1000	606.4	91.8	1524	0.03	08/15/2024	

Batch R351860		SampType: MS		Units mg/L							
SampID: 24080857-005CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	66	20.00	47.08	95.2	85	115	08/15/2024	



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Work Order: 24071451

Client Project: COF-24Q3

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SW-846 9251 (DISSOLVED)

Batch R351860		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080857-005CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	66	20.00	47.08	95.4	66.11	0.09	08/15/2024

SW-846 9251 (TOTAL)

Batch R351226		SampType: MBLK		Units mg/L							
SampID: MBLK/ICB											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	08/02/2024	

Batch R351226		SampType: LCS		Units mg/L							
SampID: LCS/ICV											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	101.0	90	110	08/02/2024	

Batch R351226		SampType: MS		Units mg/L							
SampleID: 24072311-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		21	20.00	1.160	99.7	85	115	08/03/2024	

Batch R351226		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24072311-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		21	20.00	1.160	100.0	21.10	0.28	08/03/2024

Batch R351226		SampType: MS		Units mg/L							
SampID: 24072398-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		25	20.00	5.650	97.8	85	115	08/02/2024	

Batch R351226		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24072398-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		25	20.00	5.650	98.0	25.22	0.08	08/02/2024



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SW-846 9251 (TOTAL)

Batch R351307		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	08/06/2024	

Batch R351307		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		19	20.00	0	95.7	90	110	08/06/2024	

Batch R351406		SampType: MBLK		Units mg/L							
SampID: ICB/MBLK											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		< 4	0.5000	0	0	-100	100	08/07/2024	

Batch R351406		SampType: LCS		Units mg/L							
SampID: ICB/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	97.5	90	110	08/07/2024	

Batch R351406		SampType: MS		Units mg/L							
SampID: 24071451-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		28	20.00	9.330	94.5	85	115	08/07/2024	

Batch R351406		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		28	20.00	9.330	93.9	28.23	0.43	08/07/2024

Batch R351406		SampType: MS		Units mg/L							
SampID: 24080156-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		200		2300	1000	1338	95.9	85	115	08/07/2024	

Batch R351406		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080156-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			200		2240	1000	1338	89.9	2297	2.63	08/07/2024



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Batch R351406		SampType: MS		Units mg/L							Date
SampID: 24080228-001BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		222	100.0	133.5	88.2	85	115	08/07/2024	

Batch R351406		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080228-001BMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		222	100.0	133.5	88.9	221.6	0.33	08/07/2024		

Batch R351555		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	08/09/2024	

Batch R351555		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		19	20.00	0	96.0	90	110	08/09/2024	

Batch R351555		SampType: MS		Units mg/L							Date
SampID: 24080456-002AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		364	200.0	190.2	86.9	85	115	08/09/2024	

Batch R351555		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080456-002AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		40		362	200.0	190.2	86.1	364.0	0.44	08/09/2024		

Batch R351555		SampType: MS		Units mg/L							Date
SampID: 24080678-003AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8	E	109	40.00	72.92	90.3	85	115	08/09/2024	

Batch R351555		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080678-003AMSD											Analyzed	
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		8	E	112	40.00	72.92	98.3	109.0	2.88	08/09/2024		



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SW-846 9251 (TOTAL)

Batch R351555		SampType: MS		Units mg/L							Date
SampID: 24080680-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		244	100.0	149.4	94.6	85	115	08/09/2024	

Batch R351555		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080680-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		235	100.0	149.4	85.2	244.0	3.95	08/09/2024		

Batch R351555		SampType: MS		Units mg/L							Date
SampID: 24080862-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		2000		18200	10000	9312	89.1	85	115	08/09/2024	

Batch R351555		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080862-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		2000		18300	10000	9312	89.8	18220	0.40	08/09/2024		

Batch R351636		SampType: MBLK		Units mg/L							Date
SampID: ICB/MBLK											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		< 4	0.5000	0	0	-100	100	08/12/2024	

Batch R351636		SampType: LCS		Units mg/L							Date
SampID: ICV/LCS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		20	20.00	0	98.4	90	110	08/12/2024	

Batch R351636		SampType: MS		Units mg/L							Date
SampID: 24071451-025AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		23	20.00	3.730	96.8	85	115	08/12/2024	

Batch R351636		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24071451-025AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		23	20.00	3.730	97.0	23.10	0.09	08/12/2024		



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SW-846 9251 (TOTAL)

Batch R351636		SampType: MS		Units mg/L						
SampID: 24071451-031AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	E	55	20.00	36.86	93.0	85	115	08/12/2024

Batch R351636		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-031AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	56	20.00	36.86	95.4	55.46	0.88	08/12/2024

Batch R351636		SampType: MS		Units mg/L							
SampID: 24071451-042AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	52	20.00	34.27	90.9	85	115	08/12/2024	

Batch R351636		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-042AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	53	20.00	34.27	92.6	52.44	0.67	08/12/2024

Batch R351636		SampType: MS		Units mg/L							
SampID: 24071451-044AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		33	20.00	14.15	94.4	85	115	08/12/2024	

Batch R351636		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-044AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		33	20.00	14.15	94.9	33.02	0.33	08/12/2024

Batch R351636		SampType: MS		Units mg/L							
SampID: 24071451-058AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		39	20.00	20.78	91.4	85	115	08/12/2024	

Batch R351636		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-058AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		39	20.00	20.78	89.6	39.05	0.93	08/12/2024	



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SW-846 9251 (TOTAL)

Batch R351636		SampType: MS		Units mg/L						
SampID: 24071451-077AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		26	20.00	6.260	97.2	85	115	08/12/2024

Batch R351636		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24071451-077AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		26	20.00	6.260	98.0	25.69	0.70	08/12/2024

Batch R351636		SampType: MS		Units mg/L							Date Analyzed
SampID: 24081027-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		27	20.00	8.220	96.0	85	115	08/13/2024	

Batch R351636		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24081027-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		28	20.00	8.220	96.7	27.41	0.55	08/13/2024

Batch R351708		SampType: MBLK		Units mg/L								
SampID: ICB/MBLK												Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed		
Chloride		4		< 4	0.5000	0	0	-100	100	08/13/2024		

Batch R351708		SampType: LCS		Units mg/L							
SampID: ICV/LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4		20	20.00	0	100.5	90	110	08/13/2024	

Batch R351708		SampType: MS		Units mg/L							
SampID: 24080552-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Chloride		4	E	63	20.00	42.42	101.7	85	115	08/13/2024	

Batch R351708		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080552-002AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4	E	62	20.00	42.42	99.4	62.76	0.74	08/13/2024



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Batch R351708		SampType: MS		Units mg/L							Date
SampID: 24080553-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		33	20.00	14.12	93.4	85	115	08/13/2024	

Batch R351708		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080553-001AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		33	20.00	14.12	94.6	32.81	0.67	08/13/2024

Batch R351708		SampType: MS		Units mg/L							Date
SampID: 24080553-003AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		8		84	40.00	47.68	89.9	85	115	08/13/2024	

Batch R351708		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080553-003AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			8		84	40.00	47.68	89.6	83.63	0.14	08/13/2024

Batch R351708		SampType: MS		Units mg/L							Date
SampID: 24080553-005AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		26	20.00	6.760	94.4	85	115	08/13/2024	

Batch R351708		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080553-005AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			4		26	20.00	6.760	94.4	25.65	0.04	08/13/2024

Batch R351708		SampType: MS		Units mg/L							Date
SampID: 24080717-005AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		277	200.0	89.29	94.0	85	115	08/13/2024	

Batch R351708		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24080717-005AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride			40		279	200.0	89.29	94.8	277.2	0.60	08/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9251 (TOTAL)

Batch R351860 SampType: MBLK Units mg/L

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		< 4	0.5000	0	0	-100	100	08/15/2024

Batch R351860 SampType: LCS Units mg/L

SampID: ICB/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		20	20.00	0	98.3	90	110	08/15/2024

Batch R351860 SampType: MS Units mg/L

SampID: 24080717-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4	H	34	20.00	15.42	90.8	85	115	08/15/2024

Batch R351860 SampType: MSD Units mg/L

RPD Limit 15

SampID: 24080717-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		4	H	34	20.00	15.42	91.1	33.58	0.18	08/15/2024

Batch R351860 SampType: MS Units mg/L

SampID: 24080855-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		80		872	400.0	507.2	91.1	85	115	08/15/2024

Batch R351860 SampType: MSD Units mg/L

RPD Limit 15

SampID: 24080855-004AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chloride		80		858	400.0	507.2	87.8	871.7	1.54	08/15/2024

Batch R352062 SampType: MBLK Units mg/L

SampID: ICB/MBLK

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		< 4	0.5000	0	0	-100	100	08/20/2024

Batch R352062 SampType: LCS Units mg/L

SampID: ICB/LCS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Chloride		4		20	20.00	0	98.6	90	110	08/20/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9251 (TOTAL)

Batch R352062		SampType: MS		Units mg/L							Date
SampID: 24080242-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		47	20.00	28.68	91.0	85	115	08/20/2024	

Batch R352062		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080242-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4		46	20.00	28.68	89.0	46.87	0.84	08/20/2024		

Batch R352062		SampType: MS		Units mg/L							Date
SampID: 24080242-007AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4	E	55	20.00	37.19	87.8	85	115	08/20/2024	

Batch R352062		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080242-007AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		4	E	55	20.00	37.19	87.0	54.74	0.26	08/20/2024		

Batch R352062		SampType: MS		Units mg/L							Date
SampID: 24080243-001AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		20		204	100.0	108.5	95.2	85	115	08/20/2024	

Batch R352062		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080243-001AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		20		200	100.0	108.5	91.7	203.7	1.71	08/20/2024		

Batch R352062		SampType: MS		Units mg/L							Date
SampID: 24080243-004AMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		40		358	200.0	175.5	91.5	85	115	08/20/2024	

Batch R352062		SampType: MSD		Units mg/L							RPD Limit 15	Date
SampID: 24080243-004AMSD												Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD			
Chloride		40		359	200.0	175.5	91.8	358.5	0.20	08/20/2024		



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 9251 (TOTAL)

Batch R352062		SampType: MS		Units mg/L							
SampID: 24081588-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Chloride		4		27	20.00	8.000	97.2	85	115	08/20/2024	

Batch R352062		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 24081588-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Chloride		4		27	20.00	8.000	97.2	27.44	0.04	08/20/2024	

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

Batch 226703		SampType: MBLK		Units mg/L						
SampID: MBLK-226703										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/06/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/06/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	08/06/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/06/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/06/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/06/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/06/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/06/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/06/2024

Batch 226703		SampType: LCS		Units mg/L							
SampID: LCS-226703											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0200		0.457	0.5000	0	91.4	85	115	08/06/2024	
Calcium		0.100		2.43	2.500	0	97.2	85	115	08/06/2024	
Cobalt		0.0050		0.481	0.5000	0	96.2	85	115	08/06/2024	
Iron		0.0400		1.90	2.000	0	94.8	85	115	08/06/2024	
Magnesium		0.0500		2.22	2.500	0	88.9	85	115	08/06/2024	
Manganese		0.0070		0.473	0.5000	0	94.5	85	115	08/06/2024	
Molybdenum		0.0100		0.465	0.5000	0	92.9	85	115	08/06/2024	
Potassium		0.100		2.61	2.500	0	104.3	85	115	08/06/2024	
Sodium		0.0500		2.43	2.500	0	97.2	85	115	08/06/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226703 SampType: MS Units mg/L

SampID: 24080305-001DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		1.90	2.000	0	95.2	75	125	08/06/2024

Batch 226703 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24080305-001DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron		0.0400		1.87	2.000	0	93.6	1.903	1.67	08/06/2024

Batch 226703 SampType: MS Units mg/L

SampID: 24080359-008CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	42.3	2.500	40.57	69.7	75	125	08/06/2024

Batch 226703 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24080359-008CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	41.8	2.500	40.57	51.0	42.31	1.11	08/06/2024

Batch 226766 SampType: MBLK Units mg/L

SampID: MBLK-226766

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	08/07/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/07/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/08/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/07/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/09/2024

Batch 226766 SampType: LCS Units mg/L

SampID: LCS-226766

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.48	2.500	0	99.1	85	115	08/07/2024
Iron		0.0400		1.90	2.000	0	95.0	85	115	08/07/2024
Magnesium		0.0500		2.39	2.500	0	95.4	85	115	08/08/2024
Potassium		0.100		2.55	2.500	0	101.9	85	115	08/07/2024
Sodium		0.0500		2.46	2.500	0	98.6	85	115	08/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226766		SampType: MS		Units mg/L						
SampID: 24071451-014CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		78.8	2.500	76.51	91.2	75	125	08/07/2024
Magnesium		0.050	S	38.6	2.500	35.44	128.0	75	125	08/08/2024
Potassium		0.100		3.18	2.500	0.5508	105.2	75	125	08/07/2024
Sodium		0.050	S	41.3	2.500	39.53	72.0	75	125	08/07/2024

Batch 226766		SampType: MSD	Units mg/L					RPD Limit 20		
SampID: 24071451-014CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	75.5	2.500	76.51	-40.4	78.79	4.26	08/07/2024
Magnesium		0.050	S	36.9	2.500	35.44	57.0	38.64	4.71	08/08/2024
Potassium		0.100		3.08	2.500	0.5508	101.0	3.182	3.41	08/07/2024
Sodium		0.050	S	39.8	2.500	39.53	11.6	41.33	3.72	08/07/2024

Batch 226779		SampType: MBLK		Units mg/L						
SampID: MBLK-226779										
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	08/07/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	08/08/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/07/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	08/07/2024

Batch 226779		SampType: LCS		Units mg/L						
SampID: LCS-226779										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.45	2.500	0	97.8	85	115	08/07/2024
Magnesium		0.050		2.32	2.500	0	92.7	85	115	08/08/2024
Potassium		0.100		2.57	2.500	0	102.6	85	115	08/07/2024
Sodium		0.050		2.47	2.500	0	98.9	85	115	08/07/2024

Batch 226779		SampType: MS		Units mg/L						
SampID: 24071451-013CMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Calcium		0.100	S	91.6	2.500	91.09	18.4	75	125	08/07/2024
Magnesium		0.050	S	44.6	2.500	43.14	57.1	75	125	08/08/2024
Potassium		0.100		2.89	2.500	0.2479	105.5	75	125	08/07/2024
Sodium		0.050	S	59.2	2.500	58.17	39.6	75	125	08/07/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226779		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 24071451-013CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	92.1	2.500	91.09	42.0	91.55	0.64	08/07/2024
Magnesium		0.050	S	44.9	2.500	43.14	70.9	44.56	0.77	08/08/2024
Potassium		0.100		2.89	2.500	0.2479	105.6	2.886	0.02	08/07/2024
Sodium		0.050	S	59.1	2.500	58.17	38.8	59.16	0.03	08/07/2024

Batch 226875		SampType: MBLK		Units mg/L						
SampID: MBLK-226875										
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	08/12/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/08/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/08/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	08/12/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/08/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/12/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/08/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	08/12/2024

Batch 226875		SampType: LCS		Units mg/L						
SampleID: LCS-226875										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.30	2.500	0	92.1	85	115	08/08/2024
Calcium		0.100		2.32	2.500	0	92.7	85	115	08/08/2024
Calcium		0.100		2.41	2.500	0	96.3	85	115	08/12/2024
Magnesium		0.0500	S	2.12	2.500	0	84.7	85	115	08/08/2024
Magnesium		0.0500	S	2.11	2.500	0	84.3	85	115	08/08/2024
Magnesium		0.050		2.20	2.500	0	88.2	85	115	08/12/2024
Potassium		0.100		2.46	2.500	0	98.4	85	115	08/08/2024
Potassium		0.100		2.47	2.500	0	99.0	85	115	08/08/2024
Potassium		0.100		2.50	2.500	0	100.1	85	115	08/12/2024
Sodium		0.0500		2.38	2.500	0	95.0	85	115	08/08/2024
Sodium		0.0500		2.37	2.500	0	94.9	85	115	08/08/2024
Sodium		0.050		2.42	2.500	0	96.6	85	115	08/12/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226875 SampType: MS Units mg/L

SampID: 24080600-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	50.9	2.500	49.53	54.7	75	125	08/12/2024

Batch 226875 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24080600-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	51.1	2.500	49.53	60.8	50.90	0.30	08/12/2024

Batch 226875 SampType: MS Units mg/L

SampID: 24080689-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Magnesium		0.050	S	36.9	2.500	35.11	69.9	75	125	08/12/2024

Batch 226875 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24080689-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Magnesium		0.050	S	36.6	2.500	35.11	60.3	36.86	0.65	08/12/2024

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

Batch 226445 SampType: MBLK Units mg/L

SampID: MBLK-226445

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	08/02/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/01/2024
Iron		0.0400	S	0.0687	0.0200	0	343.5	-100	100	08/02/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/01/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/02/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/02/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/02/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/01/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/02/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226445		SampType: LCS		Units mg/L							
SampID: LCS-226445											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		2.51	2.500	0	100.6	85	115	08/01/2024	
Magnesium		0.0500		2.34	2.500	0	93.6	85	115	08/01/2024	
Potassium		0.100		2.63	2.500	0	105.3	85	115	08/01/2024	
Sodium		0.0500		2.50	2.500	0	99.8	85	115	08/01/2024	

Batch 226459		SampType: MBLK		Units mg/L							
SampID: MBLK-226459											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	08/05/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/06/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/01/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/06/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/05/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/06/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/05/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/01/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/01/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/05/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/06/2024	

Batch 226459		SampType: LCS		Units mg/L							
SampID: LCS-226459											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		2.68	2.500	0	107.4	85	115	08/05/2024	
Calcium		0.100		2.51	2.500	0	100.5	85	115	08/06/2024	
Calcium		0.100		2.60	2.500	0	104.1	85	115	08/01/2024	
Magnesium		0.0500		2.47	2.500	0	98.6	85	115	08/05/2024	
Magnesium		0.0500		2.49	2.500	0	99.4	85	115	08/06/2024	
Potassium		0.100		2.70	2.500	0	107.9	85	115	08/01/2024	
Potassium		0.100		2.72	2.500	0	108.7	85	115	08/05/2024	
Potassium		0.100		2.63	2.500	0	105.1	85	115	08/06/2024	
Sodium		0.0500		2.68	2.500	0	107.2	85	115	08/01/2024	
Sodium		0.0500		2.62	2.500	0	104.8	85	115	08/06/2024	
Sodium		0.0500		2.74	2.500	0	109.8	85	115	08/05/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226542 SampType: MBLK Units mg/L

SampleID: MBLK-226542

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	08/05/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/05/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/05/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	08/05/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	08/05/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/05/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/05/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/05/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/08/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/05/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	08/05/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	08/05/2024
Iron		0.0400	S	0.0428	0.0200	0	214.0	-100	100	08/05/2024
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	08/05/2024
Lithium	*	0.0500		< 0.0500	0.0019	0	0	-100	100	08/05/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/05/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/08/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/05/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/05/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	08/05/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/08/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/05/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/05/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	08/05/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/05/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/08/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	08/05/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	08/05/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226542 SampType: LCS Units mg/L

SampleID: LCS-226542

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		0.0250		2.16	2.000	0	108.0	85	115	08/05/2024
Antimony		0.0500		0.553	0.5000	0	110.6	85	115	08/05/2024
Arsenic		0.0250		0.545	0.5000	0	109.1	85	115	08/05/2024
Barium		0.0025		2.15	2.000	0	107.5	85	115	08/05/2024
Beryllium		0.0005		0.0558	0.0500	0	111.6	85	115	08/05/2024
Boron		0.0200		0.527	0.5000	0	105.5	85	115	08/05/2024
Cadmium		0.0020		0.0545	0.0500	0	109.0	85	115	08/05/2024
Calcium		0.100		2.70	2.500	0	107.9	85	115	08/05/2024
Calcium		0.100		2.46	2.500	0	98.2	85	115	08/08/2024
Chromium		0.0050		0.219	0.2000	0	109.3	85	115	08/05/2024
Cobalt		0.0050		0.570	0.5000	0	114.0	85	115	08/05/2024
Copper		0.0050		0.282	0.2500	0	112.6	85	115	08/05/2024
Iron		0.0400	B	2.23	2.000	0	111.5	85	115	08/05/2024
Lead		0.0150		0.546	0.5000	0	109.2	85	115	08/05/2024
Lithium	*	0.0500		0.528	0.5000	0	105.6	85	115	08/05/2024
Magnesium		0.0500		2.32	2.500	0	93.0	85	115	08/08/2024
Magnesium		0.0500		2.54	2.500	0	101.5	85	115	08/05/2024
Manganese		0.0070		0.546	0.5000	0	109.2	85	115	08/05/2024
Molybdenum		0.0100		0.531	0.5000	0	106.2	85	115	08/05/2024
Nickel		0.0050		0.561	0.5000	0	112.2	85	115	08/05/2024
Potassium		0.100		2.68	2.500	0	107.1	85	115	08/05/2024
Potassium		0.100		2.67	2.500	0	106.8	85	115	08/08/2024
Selenium		0.0400		0.550	0.5000	0	110.1	85	115	08/05/2024
Silver		0.0070		0.0517	0.0500	0	103.4	85	115	08/05/2024
Sodium		0.0500		2.67	2.500	0	107.0	85	115	08/05/2024
Sodium		0.0500		2.61	2.500	0	104.3	85	115	08/08/2024
Thallium		0.0500		0.275	0.2500	0	109.9	85	115	08/05/2024
Vanadium		0.0100		0.551	0.5000	0	110.3	85	115	08/05/2024
Zinc		0.0100		0.548	0.5000	0	109.5	85	115	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226542		SampType: MS		Units mg/L							
SampID: 24071451-042BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100	S	92.7	2.500	93.69	-39.6	75	125	08/05/2024	
Magnesium		0.050	S	45.8	2.500	45.04	28.3	75	125	08/05/2024	
Potassium		0.100		3.19	2.500	0.3873	112.0	75	125	08/05/2024	
Sodium		0.050	S	70.0	2.500	69.73	9.2	75	125	08/05/2024	

Batch 226542		SampType: MSD		Units mg/L					RPD Limit 20	
SampID: 24071451-042BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	91.4	2.500	93.69	-89.6	92.70	1.36	08/05/2024
Magnesium		0.050	S	45.2	2.500	45.04	8.0	45.75	1.12	08/05/2024
Potassium		0.100		3.15	2.500	0.3873	110.6	3.187	1.08	08/05/2024
Sodium		0.050	S	68.7	2.500	69.73	-41.2	69.96	1.82	08/05/2024

Batch 226542		SampType: MS		Units mg/L							
SampID: 24072498-001BMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0200		1.07	0.5000	0.5054	113.4	75	125	08/05/2024	

Batch 226542		SampType: MSD		Units mg/L				RPD Limit 20			
SampID: 24072498-001BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron			0.0200		1.06	0.5000	0.5054	110.1	1.073	1.55	08/05/2024

Batch 226550		SampType: MBLK		Units mg/L							
SampID: MBLK-226550											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/06/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/06/2024	
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	08/06/2024	
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	08/06/2024	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/06/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/06/2024	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/06/2024	
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/06/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/06/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/06/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226550 SampType: LCS Units mg/L

SampID: LCS-226550

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		0.496	0.5000	0	99.2	85	115	08/06/2024
Calcium		0.100		2.54	2.500	0	101.8	85	115	08/06/2024
Cobalt		0.0050		0.526	0.5000	0	105.2	85	115	08/06/2024
Copper		0.0050		0.267	0.2500	0	106.9	85	115	08/06/2024
Iron		0.0400		2.12	2.000	0	106.0	85	115	08/06/2024
Magnesium		0.0500		2.42	2.500	0	96.9	85	115	08/06/2024
Manganese		0.0070		0.508	0.5000	0	101.6	85	115	08/06/2024
Molybdenum		0.0100		0.497	0.5000	0	99.5	85	115	08/06/2024
Potassium		0.100		2.73	2.500	0	109.4	85	115	08/06/2024
Sodium		0.0500		2.57	2.500	0	102.8	85	115	08/06/2024

Batch 226550 SampType: MS Units mg/L

SampID: 24072589-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		9.04	0.5000	8.543	99.5	75	125	08/06/2024
Iron		0.0400		2.25	2.000	0.1538	105.0	75	125	08/06/2024
Manganese		0.0070		0.572	0.5000	0.04810	104.9	75	125	08/06/2024
Molybdenum		0.0100		0.953	0.5000	0.4290	104.7	75	125	08/06/2024

Batch 226550 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24072589-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0200	S	8.86	0.5000	8.543	62.6	9.041	2.06	08/06/2024
Iron		0.0400		2.23	2.000	0.1538	103.9	2.254	0.93	08/06/2024
Manganese		0.0070		0.565	0.5000	0.04810	103.4	0.5725	1.28	08/06/2024
Molybdenum		0.0100		0.935	0.5000	0.4290	101.1	0.9527	1.91	08/06/2024

Batch 226550 SampType: MS Units mg/L

SampID: 24072590-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Boron		0.0200		7.25	0.5000	6.746	101.5	75	125	08/06/2024
Iron		0.0400		3.83	2.000	1.727	105.2	75	125	08/07/2024
Manganese		0.0070		0.812	0.5000	0.2867	105.2	75	125	08/06/2024
Molybdenum		0.0100		1.03	0.5000	0.5044	104.7	75	125	08/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226550		SampType: MSD		Units mg/L				RPD Limit 20		
SampleID: 24072590-003BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron		0.0200		7.15	0.5000	6.746	81.7	7.253	1.37	08/06/2024
Iron		0.0400		3.71	2.000	1.727	99.2	3.830	3.18	08/07/2024
Manganese		0.0070		0.796	0.5000	0.2867	102.0	0.8125	1.99	08/06/2024
Molybdenum		0.0100		1.01	0.5000	0.5044	100.1	1.028	2.25	08/06/2024

Batch	226569	SampType:	MBLK	Units mg/L							
SampleID: MBLK-226569											
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	08/05/2024	
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/05/2024	
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/05/2024	
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	08/05/2024	
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	08/05/2024	
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/05/2024	
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/05/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/05/2024	
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/05/2024	
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	08/05/2024	
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	08/05/2024	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/05/2024	
Lead		0.0150		< 0.0150	0.0014	0	0	-100	100	08/05/2024	
Lithium		0.0500		< 0.0500	0.0019	0	0	-100	100	08/05/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/05/2024	
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/05/2024	
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/05/2024	
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	08/05/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/05/2024	
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/05/2024	
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	08/05/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/05/2024	
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	08/05/2024	
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	08/05/2024	
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	08/05/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226569		SampType: LCS		Units mg/L							Date Analyzed
SampID: LCS-226569											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		0.0250		2.21	2.000	0	110.5	85	115	08/05/2024	
Antimony		0.0500		0.564	0.5000	0	112.7	85	115	08/05/2024	
Arsenic		0.0250		0.557	0.5000	0	111.3	85	115	08/05/2024	
Barium		0.0025		2.21	2.000	0	110.5	85	115	08/05/2024	
Beryllium		0.0005		0.0572	0.0500	0	114.4	85	115	08/05/2024	
Boron		0.0200		0.539	0.5000	0	107.8	85	115	08/05/2024	
Cadmium		0.0020		0.0565	0.0500	0	113.0	85	115	08/05/2024	
Calcium		0.100		2.76	2.500	0	110.5	85	115	08/05/2024	
Chromium		0.0050		0.225	0.2000	0	112.4	85	115	08/05/2024	
Cobalt		0.0050		0.535	0.5000	0	107.1	85	115	08/06/2024	
Copper		0.0050		0.274	0.2500	0	109.4	85	115	08/06/2024	
Iron		0.0400		2.27	2.000	0	113.5	85	115	08/05/2024	
Lead		0.0150		0.563	0.5000	0	112.7	85	115	08/05/2024	
Lithium		0.0500		0.544	0.5000	0	108.7	85	115	08/05/2024	
Magnesium		0.0500		2.60	2.500	0	104.1	85	115	08/05/2024	
Manganese		0.0070		0.560	0.5000	0	112.0	85	115	08/05/2024	
Molybdenum		0.0100		0.545	0.5000	0	109.1	85	115	08/05/2024	
Nickel		0.0050		0.574	0.5000	0	114.9	85	115	08/05/2024	
Potassium		0.100		2.76	2.500	0	110.3	85	115	08/05/2024	
Selenium		0.0400		0.565	0.5000	0	112.9	85	115	08/05/2024	
Silver		0.0070		0.0531	0.0500	0	106.2	85	115	08/05/2024	
Sodium		0.0500		2.75	2.500	0	110.2	85	115	08/05/2024	
Thallium		0.0500		0.279	0.2500	0	111.6	85	115	08/05/2024	
Vanadium		0.0100		0.566	0.5000	0	113.2	85	115	08/05/2024	
Zinc		0.0100		0.563	0.5000	0	112.6	85	115	08/05/2024	

Batch 226569		SampType: MS		Units mg/L						
SampID: 24071451-035CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	61.9	2.500	56.00	234.8	75	125	08/05/2024
Magnesium		0.050	S	31.2	2.500	26.92	169.2	75	125	08/05/2024
Potassium		0.100		3.38	2.500	0.5302	114.1	75	125	08/05/2024
Sodium		0.050	S	68.5	2.500	63.24	209.2	75	125	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226569	SampType:	MSD	Units mg/L				RPD Limit 20			Date Analyzed
SampID: 24071451-035CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	60.3	2.500	56.00	172.4	61.87	2.55	08/05/2024	
Magnesium		0.050	S	30.2	2.500	26.92	132.2	31.15	3.02	08/05/2024	
Potassium		0.100		3.29	2.500	0.5302	110.4	3.384	2.79	08/05/2024	
Sodium		0.050	S	66.6	2.500	63.24	136.0	68.47	2.71	08/05/2024	

Batch	226569	SampType:	MSD	Units mg/L				RPD Limit 20			
SampID: 24080007-001FMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic			0.0250		0.569	0.5000	0	113.7	0.5489	3.53	08/05/2024
Barium			0.0025		2.35	2.000	0.1302	111.0	2.240	4.79	08/05/2024
Beryllium			0.0005		0.0580	0.0500	0	116.0	0.05550	4.41	08/05/2024
Boron			0.0200		0.754	0.5000	0.1984	111.1	0.7218	4.32	08/05/2024
Cadmium			0.0020		0.0555	0.0500	0	111.0	0.05300	4.61	08/05/2024
Chromium			0.0050		0.229	0.2000	0	114.5	0.2192	4.37	08/05/2024
Cobalt			0.0050		0.581	0.5000	0	116.2	0.5586	3.93	08/05/2024
Copper			0.0050		0.293	0.2500	0	117.2	0.2814	4.00	08/05/2024
Iron			0.0400		5.30	2.000	2.880	121.0	5.080	4.24	08/05/2024
Lead			0.0150		0.557	0.5000	0	111.3	0.5358	3.83	08/05/2024
Manganese			0.0070		0.790	0.5000	0.2194	114.0	0.7552	4.44	08/05/2024
Nickel			0.0050		0.574	0.5000	0	114.8	0.5532	3.71	08/05/2024
Selenium			0.0400		0.560	0.5000	0	112.1	0.5461	2.58	08/05/2024
Silver			0.0070		0.0541	0.0500	0	108.2	0.05150	4.92	08/05/2024
Vanadium			0.0100		0.581	0.5000	0.002000	115.7	0.5566	4.22	08/05/2024
Zinc			0.0100		1.32	0.5000	0.7423	116.0	1.274	3.72	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226612 SampType: MBLK Units mg/L

SampleID: MBLK-226612

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	08/05/2024
Antimony		0.0500		< 0.0500	0.0068	0	0	-100	100	08/05/2024
Arsenic		0.0250		< 0.0250	0.0087	0	0	-100	100	08/05/2024
Barium		0.0025		< 0.0025	0.0007	0	0	-100	100	08/05/2024
Beryllium		0.0005		< 0.0005	0.0002	0	0	-100	100	08/05/2024
Boron		0.0200		< 0.0200	0.0090	0	0	-100	100	08/05/2024
Cadmium		0.0020		< 0.0020	0.0005	0	0	-100	100	08/05/2024
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/05/2024
Chromium		0.0050		< 0.0050	0.0028	0	0	-100	100	08/05/2024
Cobalt		0.0050		< 0.0050	0.0020	0	0	-100	100	08/05/2024
Copper		0.0050		< 0.0050	0.0013	0	0	-100	100	08/05/2024
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/05/2024
Lead		0.0150		< 0.0150	0.0040	0	0	-100	100	08/05/2024
Lithium	*	0.0500		< 0.0500	0.0019	0	0	-100	100	08/05/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/05/2024
Manganese		0.0070		< 0.0070	0.0025	0	0	-100	100	08/05/2024
Molybdenum		0.0100		< 0.0100	0.0037	0	0	-100	100	08/05/2024
Nickel		0.0050		< 0.0050	0.0016	0	0	-100	100	08/05/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/05/2024
Selenium		0.0400		< 0.0400	0.0170	0	0	-100	100	08/05/2024
Silver		0.0070		< 0.0070	0.0027	0	0	-100	100	08/05/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/05/2024
Thallium		0.0500		< 0.0500	0.0111	0	0	-100	100	08/05/2024
Vanadium		0.0100		< 0.0100	0.0009	0	0	-100	100	08/05/2024
Zinc		0.0100		< 0.0100	0.0050	0	0	-100	100	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226612		SampType: LCS		Units mg/L							
SampID: LCS-226612											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		0.0250		2.19	2.000	0	109.5	85	115	08/05/2024	
Antimony		0.0500		0.557	0.5000	0	111.4	85	115	08/05/2024	
Arsenic		0.0250		0.548	0.5000	0	109.6	85	115	08/05/2024	
Barium		0.0025		2.17	2.000	0	108.5	85	115	08/05/2024	
Beryllium		0.0005		0.0557	0.0500	0	111.4	85	115	08/05/2024	
Boron		0.0200		0.530	0.5000	0	106.0	85	115	08/05/2024	
Cadmium		0.0020		0.0546	0.0500	0	109.2	85	115	08/05/2024	
Calcium		0.100		2.73	2.500	0	109.2	85	115	08/05/2024	
Chromium		0.0050		0.221	0.2000	0	110.6	85	115	08/05/2024	
Cobalt		0.0050		0.568	0.5000	0	113.7	85	115	08/05/2024	
Copper		0.0050		0.286	0.2500	0	114.2	85	115	08/05/2024	
Iron		0.0400		2.24	2.000	0	112.0	85	115	08/05/2024	
Lead		0.0150		0.549	0.5000	0	109.7	85	115	08/05/2024	
Lithium	*	0.0500		0.541	0.5000	0	108.2	85	115	08/05/2024	
Magnesium		0.0500		2.54	2.500	0	101.7	85	115	08/05/2024	
Manganese		0.0070		0.548	0.5000	0	109.6	85	115	08/05/2024	
Molybdenum		0.0100		0.535	0.5000	0	107.0	85	115	08/05/2024	
Nickel		0.0050		0.562	0.5000	0	112.4	85	115	08/05/2024	
Potassium		0.100		2.74	2.500	0	109.7	85	115	08/05/2024	
Selenium		0.0400		0.545	0.5000	0	109.0	85	115	08/05/2024	
Silver		0.0070		0.0527	0.0500	0	105.4	85	115	08/05/2024	
Sodium		0.0500		2.77	2.500	0	111.0	85	115	08/05/2024	
Thallium		0.0500		0.274	0.2500	0	109.7	85	115	08/05/2024	
Vanadium		0.0100		0.556	0.5000	0	111.3	85	115	08/05/2024	
Zinc		0.0100		0.550	0.5000	0	110.0	85	115	08/05/2024	

Batch 226612		SampType: MS		Units mg/L						
SampID: 24071451-077BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	92.3	2.500	91.17	45.6	75	125	08/05/2024
Magnesium		0.050	S	43.7	2.500	41.86	72.6	75	125	08/05/2024
Potassium		0.100		3.39	2.500	0.5999	111.7	75	125	08/05/2024
Sodium		0.050		31.0	2.500	29.13	76.8	75	125	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226612		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 24071451-077BMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Calcium		0.100	S	91.7	2.500	91.17	20.0	92.31	0.70	08/05/2024	
Magnesium		0.050	S	43.3	2.500	41.86	59.1	43.68	0.78	08/05/2024	
Potassium		0.100		3.41	2.500	0.5999	112.2	3.393	0.36	08/05/2024	
Sodium		0.050		31.1	2.500	29.13	79.2	31.05	0.19	08/05/2024	

Batch 226612		SampType: MS		Units mg/L							Date Analyzed
SampID: 24072589-005BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Boron		0.0200		9.56	0.5000	9.108	89.9	75	125	08/05/2024	
Iron		0.0400		2.44	2.000	0.1977	112.1	75	125	08/05/2024	
Manganese		0.0070		0.661	0.5000	0.1054	111.2	75	125	08/05/2024	
Molybdenum		0.0100		1.24	0.5000	0.7060	105.8	75	125	08/05/2024	

Batch	226612	SampType:	MSD	Units mg/L						RPD Limit 20	
SampID: 24072589-005BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron			0.0200		9.73	0.5000	9.108	123.8	9.558	1.76	08/05/2024
Iron			0.0400		2.45	2.000	0.1977	112.6	2.440	0.41	08/05/2024
Manganese			0.0070		0.661	0.5000	0.1054	111.1	0.6612	0.08	08/05/2024
Molybdenum			0.0100		1.25	0.5000	0.7060	108.7	1.235	1.17	08/05/2024

Batch 226738		SampType: MBLK		Units mg/L							
SampID: MBLK-226738											
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	08/07/2024	
Iron		0.0400		< 0.0400	0.0200	0	0	-100	100	08/07/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/08/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/07/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/07/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226738 SampType: LCS Units mg/L

SampID: LCS-226738

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.63	2.500	0	105.4	85	115	08/07/2024
Iron		0.0400		2.08	2.000	0	104.0	85	115	08/07/2024
Magnesium		0.0500		2.57	2.500	0	102.7	85	115	08/08/2024
Potassium		0.100		2.71	2.500	0	108.5	85	115	08/07/2024
Sodium		0.0500		2.65	2.500	0	105.9	85	115	08/07/2024

Batch 226738 SampType: MS Units mg/L

SampID: 24071451-012CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	101	2.500	99.68	44.4	75	125	08/07/2024
Magnesium		0.050	S	47.1	2.500	45.36	68.9	75	125	08/08/2024
Potassium		0.100		3.08	2.500	0.3384	109.7	75	125	08/07/2024
Sodium		0.050	S	53.8	2.500	52.63	47.6	75	125	08/07/2024

Batch 226738 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24071451-012CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	101	2.500	99.68	51.6	100.8	0.18	08/07/2024
Magnesium		0.050		47.8	2.500	45.36	98.2	47.08	1.54	08/08/2024
Potassium		0.100		3.05	2.500	0.3384	108.3	3.082	1.13	08/07/2024
Sodium		0.050	S	53.7	2.500	52.63	42.0	53.82	0.26	08/07/2024

Batch 226774 SampType: MBLK Units mg/L

SampID: MBLK-226774

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	08/08/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/08/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/08/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/08/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226774 SampType: LCS Units mg/L

SampID: LCS-226774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.59	2.500	0	103.5	85	115	08/08/2024
Magnesium		0.0500		2.52	2.500	0	100.7	85	115	08/08/2024
Potassium		0.100		2.79	2.500	0	111.5	85	115	08/08/2024
Sodium		0.0500		2.64	2.500	0	105.6	85	115	08/08/2024

Batch 226774 SampType: MS Units mg/L

SampID: 24071451-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		113	2.500	111.2	89.2	75	125	08/08/2024
Magnesium		0.050		44.0	2.500	41.62	95.0	75	125	08/08/2024
Potassium		0.100		4.73	2.500	1.875	114.1	75	125	08/08/2024
Sodium		0.050		110	2.500	107.8	91.2	75	125	08/08/2024

Batch 226774 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24071451-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	112	2.500	111.2	41.2	113.4	1.06	08/08/2024
Magnesium		0.050	S	43.5	2.500	41.62	74.6	43.99	1.16	08/08/2024
Potassium		0.100		4.70	2.500	1.875	113.1	4.727	0.51	08/08/2024
Sodium		0.050	S	109	2.500	107.8	42.4	110.1	1.11	08/08/2024

Batch 226782 SampType: MBLK Units mg/L

SampID: MBLK-226782

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	08/15/2024
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	08/15/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/15/2024
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	08/15/2024

Batch 226782 SampType: LCS Units mg/L

SampID: LCS-226782

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.58	2.500	0	103.3	85	115	08/15/2024
Magnesium		0.050		2.24	2.500	0	89.8	85	115	08/15/2024
Potassium		0.100		2.69	2.500	0	107.6	85	115	08/15/2024
Sodium		0.050		2.65	2.500	0	105.8	85	115	08/15/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226782		SampType: MS		Units mg/L							
SampID: 24071451-038CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		164	2.500	162.2	94.0	75	125	08/15/2024	
Magnesium		0.050	S	88.6	2.500	87.04	62.0	75	125	08/15/2024	
Potassium		0.100		7.56	2.500	4.840	108.8	75	125	08/15/2024	
Sodium		0.050		98.6	2.500	95.55	122.8	75	125	08/15/2024	

Batch 226782		SampType: MSD	Units mg/L						RPD Limit 20	
SampID: 24071451-038CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	163	2.500	162.2	18.0	164.5	1.16	08/15/2024
Magnesium		0.050	S	88.2	2.500	87.04	44.7	88.59	0.49	08/15/2024
Potassium		0.100		7.52	2.500	4.840	107.1	7.561	0.57	08/15/2024
Sodium		0.050		97.7	2.500	95.55	84.8	98.62	0.97	08/15/2024

Batch 226782		SampType: MS		Units mg/L						
SampID: 24071451-099CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	86.3	2.500	85.34	38.0	75	125	08/15/2024
Magnesium		0.050		40.8	2.500	38.75	81.5	75	125	08/15/2024
Potassium		0.100		3.38	2.500	0.5807	111.9	75	125	08/15/2024
Sodium		0.050		61.1	2.500	58.99	86.0	75	125	08/15/2024

Batch 226782	SampType: MSD	Units mg/L							RPD Limit 20	
SampID: 24071451-099CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	86.2	2.500	85.34	34.8	86.29	0.09	08/15/2024
Magnesium		0.050		40.9	2.500	38.75	87.1	40.79	0.34	08/15/2024
Potassium		0.100		3.37	2.500	0.5807	111.4	3.377	0.35	08/15/2024
Sodium		0.050		61.3	2.500	58.99	91.2	61.14	0.21	08/15/2024

Batch 226877		SampType: MBLK		Units mg/L						
SampID: MBLK-226877										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	08/12/2024
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/12/2024
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/12/2024
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226877		SampType: LCS		Units mg/L							
SampID: LCS-226877											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Calcium		0.100		2.56	2.500	0	102.4	85	115	08/12/2024	
Magnesium		0.0500		2.41	2.500	0	96.3	85	115	08/12/2024	
Potassium		0.100		2.73	2.500	0	109.3	85	115	08/12/2024	
Sodium		0.0500		2.59	2.500	0	103.7	85	115	08/12/2024	

Batch 226877		SampType: MS		Units mg/L						
SampID: 24080553-006BMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	34.2	2.500	30.96	128.8	75	125	08/12/2024
Magnesium		0.0500		12.5	2.500	9.889	106.4	75	125	08/12/2024
Potassium		0.100		3.96	2.500	1.210	109.8	75	125	08/12/2024
Sodium		0.0500	S	75.5	2.500	71.73	149.2	75	125	08/12/2024

Batch 226877	SampType: MSD	Units mg/L							RPD Limit 20	
SampID: 24080553-006BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100		33.1	2.500	30.96	86.8	34.18	3.12	08/12/2024
Magnesium		0.0500		12.2	2.500	9.889	92.1	12.55	2.89	08/12/2024
Potassium		0.100		3.87	2.500	1.210	106.5	3.955	2.12	08/12/2024
Sodium		0.0500	S	73.0	2.500	71.73	52.8	75.46	3.25	08/12/2024

Batch 226881		SampType: MBLK		Units mg/L							
SampID: MBLK-226881											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	08/13/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/13/2024	
Calcium		0.100		< 0.100	0.0350	0	0	-100	100	08/12/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/12/2024	
Magnesium		0.0500		< 0.0500	0.0055	0	0	-100	100	08/13/2024	
Magnesium		0.050		< 0.050	0.0055	0	0	-100	100	08/13/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/12/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/13/2024	
Potassium		0.100		< 0.100	0.0400	0	0	-100	100	08/13/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/12/2024	
Sodium		0.050		< 0.050	0.0180	0	0	-100	100	08/13/2024	
Sodium		0.0500		< 0.0500	0.0180	0	0	-100	100	08/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226881 SampType: LCS Units mg/L

SampID: LCS-226881

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100		2.66	2.500	0	106.3	85	115	08/13/2024
Calcium		0.100		2.66	2.500	0	106.3	85	115	08/13/2024
Calcium		0.100		2.66	2.500	0	106.5	85	115	08/12/2024
Magnesium		0.0500		2.41	2.500	0	96.4	85	115	08/12/2024
Magnesium		0.0500		2.40	2.500	0	96.2	85	115	08/13/2024
Magnesium		0.050		2.40	2.500	0	96.2	85	115	08/13/2024
Potassium		0.100		2.70	2.500	0	108.1	85	115	08/12/2024
Potassium		0.100		2.77	2.500	0	110.6	85	115	08/13/2024
Potassium		0.100		2.77	2.500	0	110.6	85	115	08/13/2024
Sodium		0.0500		2.69	2.500	0	107.6	85	115	08/12/2024
Sodium		0.050		2.75	2.500	0	110.0	85	115	08/13/2024
Sodium		0.0500		2.75	2.500	0	110.0	85	115	08/13/2024

Batch 226881 SampType: MS Units mg/L

SampID: 24071451-087BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Calcium		0.100	S	428	2.500	491.8	-2566	75	125	08/12/2024
Magnesium		0.050	S	933	2.500	925.8	290.6	75	125	08/12/2024
Potassium		10.0	S	127	2.500	121.8	190.8	75	125	08/13/2024
Sodium		0.050	S	440	2.500	434.8	213.6	75	125	08/12/2024

Batch 226881 SampType: MSD Units mg/L

RPD Limit 20

SampID: 24071451-087BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Calcium		0.100	S	354	2.500	491.8	-5510	427.7	18.83	08/12/2024
Magnesium		0.050	S	932	2.500	925.8	235.3	933.0	0.15	08/12/2024
Potassium		10.0	S	126	2.500	121.8	149.6	126.6	0.82	08/13/2024
Sodium		0.050	S	439	2.500	434.8	160.4	440.2	0.30	08/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226493	SampType:	MBLK	Units	µg/L						
SampID:		MBLK-226493									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	08/02/2024	
Aluminum		25.0	S	31.8	12.50	0	254.4	-100	100	08/01/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/01/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/01/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/01/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/01/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/01/2024	
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/01/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/01/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/01/2024	
Copper	*	1.0		< 1.0	0.3000	0	0	-100	100	08/01/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/01/2024	
Lead		1.0	S	4.4	0.6000	0	726.0	-100	100	08/01/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/05/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/01/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/05/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/05/2024	
Nickel		1.0	S	5.3	0.4300	0	1227	-100	100	08/01/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/01/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	08/01/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/01/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/01/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/05/2024	
Zinc		15.0	S	112	5.900	0	1902	-100	100	08/01/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226493		SampType: LCS		Units µg/L							
SampID: LCS-226493											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0	B	1910	2000	0	95.6	80	120	08/01/2024	
Aluminum		25.0		2000	2000	0	100.1	80	120	08/02/2024	
Antimony		1.0		418	500.0	0	83.6	80	120	08/01/2024	
Arsenic		1.0		458	500.0	0	91.6	80	120	08/01/2024	
Barium		1.0		1870	2000	0	93.4	80	120	08/01/2024	
Beryllium		1.0		46.5	50.00	0	93.0	80	120	08/01/2024	
Boron		25.0		465	500.0	0	93.0	80	120	08/01/2024	
Cadmium	*	1.0		45.6	50.00	0	91.1	80	120	08/01/2024	
Chromium		1.5		185	200.0	0	92.3	80	120	08/01/2024	
Cobalt		1.0		468	500.0	0	93.5	80	120	08/01/2024	
Copper	*	1.0		234	250.0	0	93.5	80	120	08/01/2024	
Iron		25.0		2060	2000	0	102.8	80	120	08/01/2024	
Lead		1.0	B	445	500.0	0	89.1	80	120	08/01/2024	
Manganese		2.0		475	500.0	0	95.1	80	120	08/01/2024	
Molybdenum		1.5		438	500.0	0	87.6	80	120	08/05/2024	
Nickel		1.0	B	466	500.0	0	93.2	80	120	08/01/2024	
Selenium		1.0		483	500.0	0	96.6	80	120	08/01/2024	
Silver		1.0		43.3	50.00	0	86.6	80	120	08/01/2024	
Thallium		2.0		230	250.0	0	91.9	80	120	08/01/2024	
Vanadium		5.0		442	500.0	0	88.3	80	120	08/01/2024	
Zinc		15.0	B	468	500.0	0	93.6	80	120	08/01/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226493 SampType: MS

Units µg/L

SampleID: 24071451-031DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1970	2000	18.83	97.8	75	125	08/02/2024
Antimony		1.0		416	500.0	0	83.2	75	125	08/01/2024
Arsenic		1.0		452	500.0	0	90.3	75	125	08/01/2024
Barium		1.0		1890	2000	91.09	90.1	75	125	08/01/2024
Beryllium		1.0		45.5	50.00	0	90.9	75	125	08/01/2024
Boron		25.0		477	500.0	0	95.4	75	125	08/01/2024
Cadmium	*	1.0		45.1	50.00	0	90.2	75	125	08/01/2024
Chromium		1.5		174	200.0	1.840	86.2	75	125	08/01/2024
Cobalt		1.0		438	500.0	0	87.5	75	125	08/01/2024
Copper	*	1.0		221	250.0	1.412	87.9	75	125	08/01/2024
Iron		25.0		1910	2000	15.17	94.9	75	125	08/01/2024
Lead		1.0	B	474	500.0	0	94.9	75	125	08/01/2024
Manganese		2.0		459	500.0	2.263	91.4	75	125	08/01/2024
Molybdenum		1.5		474	500.0	0.9216	94.6	75	125	08/05/2024
Nickel		1.0	B	434	500.0	0	86.8	75	125	08/01/2024
Selenium		1.0		470	500.0	2.333	93.5	75	125	08/01/2024
Silver		1.0		42.4	50.00	0	84.9	75	125	08/01/2024
Thallium		2.0		227	250.0	0	90.8	75	125	08/01/2024
Vanadium		5.0		439	500.0	0	87.8	75	125	08/01/2024
Zinc		15.0	B	449	500.0	0	89.9	75	125	08/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226493	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24071451-031DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		1920	2000	18.83	94.8	1975	3.04	08/02/2024
Antimony			1.0		425	500.0	0	85.0	416.0	2.19	08/01/2024
Arsenic			1.0		455	500.0	0	91.0	451.6	0.76	08/01/2024
Barium			1.0		1870	2000	91.09	89.1	1894	1.15	08/01/2024
Beryllium			1.0		45.7	50.00	0	91.5	45.46	0.63	08/01/2024
Boron			25.0		474	500.0	0	94.9	477.0	0.52	08/01/2024
Cadmium	*		1.0		44.6	50.00	0	89.2	45.11	1.16	08/01/2024
Chromium			1.5		179	200.0	1.840	88.5	174.3	2.58	08/01/2024
Cobalt			1.0		436	500.0	0	87.2	437.6	0.33	08/01/2024
Copper	*		1.0		224	250.0	1.412	88.9	221.2	1.11	08/01/2024
Iron			25.0		1920	2000	15.17	95.5	1913	0.60	08/01/2024
Lead			1.0	B	441	500.0	0	88.2	474.5	7.36	08/01/2024
Manganese			2.0		456	500.0	2.263	90.8	459.0	0.61	08/01/2024
Molybdenum			1.5		433	500.0	0.9216	86.3	474.1	9.17	08/05/2024
Nickel			1.0	B	433	500.0	0	86.6	434.1	0.23	08/01/2024
Selenium			1.0		470	500.0	2.333	93.6	469.7	0.11	08/01/2024
Silver			1.0		43.2	50.00	0	86.3	42.45	1.70	08/01/2024
Thallium			2.0		224	250.0	0	89.6	227.0	1.38	08/01/2024
Vanadium			5.0		437	500.0	0	87.4	439.2	0.52	08/01/2024
Zinc			15.0	B	452	500.0	0	90.4	449.3	0.64	08/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226540	SampType:	MBLK	Units µg/L							
SampleID:		MBLK-226540									Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Aluminum			25.0		< 25.0	12.50	0	0	-100	100	08/06/2024
Aluminum			25.0		< 25.0	12.50	0	0	-100	100	08/05/2024
Antimony			1.0		< 1.0	0.4500	0	0	-100	100	08/08/2024
Arsenic			1.0		< 1.0	0.3750	0	0	-100	100	08/02/2024
Barium			1.0		< 1.0	0.7000	0	0	-100	100	08/02/2024
Beryllium			1.0		< 1.0	0.2500	0	0	-100	100	08/02/2024
Boron			25.0		< 25.0	9.250	0	0	-100	100	08/02/2024
Cadmium	*		1.0		< 1.0	0.1340	0	0	-100	100	08/02/2024
Chromium			1.5		< 1.5	0.7000	0	0	-100	100	08/02/2024
Cobalt			1.0		< 1.0	0.1150	0	0	-100	100	08/02/2024
Copper	*		1.0		< 1.0	0.3000	0	0	-100	100	08/02/2024
Iron			25.0		< 25.0	11.50	0	0	-100	100	08/02/2024
Lead			1.0		< 1.0	0.6000	0	0	-100	100	08/02/2024
Manganese			2.0		< 2.0	0.7500	0	0	-100	100	08/02/2024
Molybdenum			1.5		< 1.5	0.6000	0	0	-100	100	08/05/2024
Nickel			1.0		< 1.0	0.4300	0	0	-100	100	08/02/2024
Selenium			1.0		< 1.0	0.6000	0	0	-100	100	08/02/2024
Silver			1.0		< 1.0	0.1000	0	0	-100	100	08/02/2024
Thallium			2.0		< 2.0	0.9500	0	0	-100	100	08/02/2024
Vanadium			5.0		< 5.0	5.000	0	0	-100	100	08/02/2024
Zinc			15.0		< 15.0	5.900	0	0	-100	100	08/02/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226540 SampType: LCS

Units µg/L

SampleID: LCS-226540

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1910	2000	0	95.7	80	120	08/06/2024
Aluminum		25.0		2060	2000	0	102.9	80	120	08/05/2024
Antimony		1.0		482	500.0	0	96.4	80	120	08/08/2024
Arsenic		1.0		478	500.0	0	95.7	80	120	08/02/2024
Barium		1.0		1960	2000	0	98.2	80	120	08/02/2024
Beryllium		1.0		46.2	50.00	0	92.4	80	120	08/02/2024
Boron		25.0		472	500.0	0	94.5	80	120	08/02/2024
Cadmium	*	1.0		47.7	50.00	0	95.4	80	120	08/02/2024
Chromium		1.5		194	200.0	0	97.2	80	120	08/02/2024
Cobalt		1.0		470	500.0	0	93.9	80	120	08/02/2024
Copper	*	1.0		244	250.0	0	97.8	80	120	08/02/2024
Iron		25.0		2020	2000	0	101.2	80	120	08/02/2024
Lead		1.0		496	500.0	0	99.2	80	120	08/05/2024
Manganese		2.0		481	500.0	0	96.1	80	120	08/02/2024
Molybdenum		1.5		438	500.0	0	87.6	80	120	08/05/2024
Nickel		1.0		471	500.0	0	94.3	80	120	08/02/2024
Selenium		1.0		496	500.0	0	99.3	80	120	08/02/2024
Silver		1.0		47.9	50.00	0	95.8	80	120	08/02/2024
Thallium		2.0		216	250.0	0	86.6	80	120	08/05/2024
Vanadium		5.0		468	500.0	0	93.5	80	120	08/02/2024
Zinc		15.0		483	500.0	0	96.6	80	120	08/02/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226540 SampType: MS

Units µg/L

SampleID: 24071451-041DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1880	2000	30.23	92.2	75	125	08/06/2024
Antimony		1.0		539	500.0	0.6924	107.7	75	125	08/08/2024
Arsenic		1.0		496	500.0	2.282	98.7	75	125	08/02/2024
Barium		1.0		2020	2000	67.72	97.5	75	125	08/02/2024
Beryllium		1.0		47.5	50.00	0	95.1	75	125	08/02/2024
Boron		25.0		526	500.0	31.14	98.9	75	125	08/08/2024
Cadmium	*	1.0		48.5	50.00	0	97.0	75	125	08/02/2024
Chromium		1.5		193	200.0	0	96.7	75	125	08/02/2024
Cobalt		1.0		466	500.0	0.5462	93.0	75	125	08/02/2024
Copper	*	1.0		239	250.0	1.294	95.2	75	125	08/05/2024
Iron		25.0		3140	2000	1386	87.8	75	125	08/02/2024
Lead		1.0		546	500.0	0	109.1	75	125	08/05/2024
Manganese		2.0		1460	500.0	983.9	95.9	75	125	08/02/2024
Molybdenum		1.5		443	500.0	0	88.7	75	125	08/05/2024
Nickel		1.0		466	500.0	0	93.2	75	125	08/02/2024
Selenium		1.0		462	500.0	0	92.3	75	125	08/02/2024
Silver		1.0		48.1	50.00	0	96.2	75	125	08/02/2024
Thallium		2.0		227	250.0	0	90.9	75	125	08/05/2024
Vanadium		5.0		486	500.0	0	97.3	75	125	08/02/2024
Zinc		15.0		476	500.0	0	95.2	75	125	08/02/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226540		SampType: MSD		Units µg/L				RPD Limit 20		
SampleID: 24071451-041DMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum		25.0		1910	2000	30.23	93.9	1875	1.72	08/06/2024
Antimony		1.0		541	500.0	0.6924	108.0	539.0	0.35	08/08/2024
Arsenic		1.0		503	500.0	2.282	100.1	495.6	1.45	08/02/2024
Barium		1.0		2100	2000	67.72	101.6	2017	3.96	08/02/2024
Beryllium		1.0		47.4	50.00	0	94.7	47.53	0.38	08/02/2024
Boron		25.0		518	500.0	31.14	97.4	525.5	1.43	08/08/2024
Cadmium	*	1.0		49.2	50.00	0	98.3	48.52	1.31	08/02/2024
Chromium		1.5		199	200.0	0	99.3	193.3	2.67	08/02/2024
Cobalt		1.0		473	500.0	0.5462	94.5	465.5	1.59	08/02/2024
Copper	*	1.0		241	250.0	1.294	95.8	239.4	0.59	08/05/2024
Iron		25.0		3280	2000	1386	95.0	3142	4.45	08/02/2024
Lead		1.0		543	500.0	0	108.7	545.6	0.39	08/05/2024
Manganese		2.0		1450	500.0	983.9	92.7	1463	1.10	08/02/2024
Molybdenum		1.5		441	500.0	0	88.3	443.4	0.43	08/05/2024
Nickel		1.0		467	500.0	0	93.4	466.2	0.17	08/02/2024
Selenium		1.0		472	500.0	0	94.3	461.6	2.17	08/02/2024
Silver		1.0		46.6	50.00	0	93.2	48.11	3.15	08/02/2024
Thallium		2.0		231	250.0	0	92.4	227.3	1.62	08/05/2024
Vanadium		5.0		483	500.0	0	96.6	486.3	0.68	08/02/2024
Zinc		15.0		481	500.0	0	96.2	476.0	1.07	08/02/2024

Batch 226540		SampType: MS		Units µg/L						
SampID: 24071451-079CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1800	2000	16.18	89.3	75	125	08/06/2024
Arsenic		1.0		555	500.0	0.4362	111.0	75	125	08/02/2024
Boron		25.0	S	10100	500.0	10050	3.2	75	125	08/09/2024
Copper	*	1.0		266	250.0	0.9637	106.0	75	125	08/02/2024
Iron		25.0		2260	2000	102.7	107.6	75	125	08/02/2024
Lead		1.0		524	500.0	0	104.8	75	125	08/05/2024
Manganese		2.0		1420	500.0	956.2	93.6	75	125	08/05/2024
Nickel		1.0		519	500.0	1.153	103.6	75	125	08/02/2024
Silver		1.0		52.5	50.00	0	105.0	75	125	08/02/2024
Vanadium		5.0		540	500.0	0	108.0	75	125	08/02/2024
Zinc		15.0		537	500.0	0	107.5	75	125	08/02/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226540	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24071451-079CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		1860	2000	16.18	92.1	1802	3.03	08/06/2024
Arsenic			1.0		577	500.0	0.4362	115.3	555.2	3.84	08/02/2024
Boron			25.0	S	10300	500.0	9643	132.3	10060	2.37	08/09/2024
Copper		*	1.0		275	250.0	0.9637	109.5	266.1	3.20	08/02/2024
Iron			25.0		2530	2000	102.7	121.5	2255	11.56	08/02/2024
Lead			1.0		498	500.0	0	99.5	524.2	5.18	08/05/2024
Manganese			2.0		1420	500.0	956.2	92.6	1424	0.35	08/05/2024
Nickel			1.0		543	500.0	1.153	108.4	519.1	4.57	08/02/2024
Silver			1.0		52.8	50.00	0	105.5	52.49	0.49	08/02/2024
Vanadium			5.0		562	500.0	0	112.5	539.9	4.10	08/02/2024
Zinc			15.0		549	500.0	0	109.8	537.3	2.16	08/02/2024

Batch	226588	SampType:	MBLK	Units		µg/L					
SampID:		MBLK-226588									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	08/05/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/08/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/02/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/02/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/02/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/02/2024	
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/02/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/02/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/02/2024	
Copper	*	1.0		< 1.0	0.3000	0	0	-100	100	08/02/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/02/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/02/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/02/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/02/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/02/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/02/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	08/02/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/02/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/02/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/02/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226588		SampType: LCS		Units µg/L							
SampID: LCS-226588											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		466	500.0	0	93.2	80	120	08/08/2024	
Arsenic		1.0		458	500.0	0	91.6	80	120	08/02/2024	
Barium		1.0		1900	2000	0	95.1	80	120	08/02/2024	
Boron		25.0		439	500.0	0	87.8	80	120	08/02/2024	
Cadmium	*	1.0		46.1	50.00	0	92.2	80	120	08/02/2024	
Chromium		1.5		173	200.0	0	86.4	80	120	08/02/2024	
Cobalt		1.0		454	500.0	0	90.7	80	120	08/02/2024	
Copper	*	1.0		231	250.0	0	92.4	80	120	08/02/2024	
Iron		25.0		1830	2000	0	91.5	80	120	08/02/2024	
Lead		1.0		463	500.0	0	92.6	80	120	08/02/2024	
Manganese		2.0		462	500.0	0	92.5	80	120	08/02/2024	
Molybdenum		1.5		446	500.0	0	89.2	80	120	08/02/2024	
Nickel		1.0		453	500.0	0	90.6	80	120	08/02/2024	
Selenium		1.0		471	500.0	0	94.3	80	120	08/02/2024	
Silver		1.0		47.0	50.00	0	94.0	80	120	08/02/2024	
Thallium		2.0		228	250.0	0	91.2	80	120	08/02/2024	
Vanadium		5.0		459	500.0	0	91.7	80	120	08/02/2024	
Zinc		15.0		465	500.0	0	93.0	80	120	08/02/2024	

Batch 226588		SampType: MS		Units µg/L						
SampID: 24071451-080CMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic		1.0		485	500.0	0	97.1	75	125	08/02/2024
Boron		25.0		1890	500.0	1397	98.5	75	125	08/08/2024
Copper	*	1.0		230	250.0	1.245	91.4	75	125	08/02/2024
Iron		25.0		1910	2000	0	95.4	75	125	08/02/2024
Lead		1.0		477	500.0	0	95.5	75	125	08/02/2024
Manganese		2.0		4870	500.0	4306	113.2	75	125	08/02/2024
Nickel		1.0		454	500.0	4.319	90.0	75	125	08/02/2024
Silver		1.0		44.0	50.00	0	88.1	75	125	08/02/2024
Vanadium		5.0		475	500.0	0	95.1	75	125	08/02/2024
Zinc		15.0		476	500.0	0	95.1	75	125	08/02/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226588		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24071451-080CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		489	500.0	0	97.8	485.5	0.73	08/02/2024
Boron		25.0		1860	500.0	1397	91.6	1890	1.86	08/08/2024
Copper	*	1.0		229	250.0	1.245	91.3	229.6	0.08	08/02/2024
Iron		25.0		1910	2000	0	95.4	1909	0.04	08/02/2024
Lead		1.0		484	500.0	0	96.8	477.3	1.45	08/02/2024
Manganese		2.0		4850	500.0	4306	109.0	4872	0.44	08/02/2024
Nickel		1.0		454	500.0	4.319	90.0	454.1	0.01	08/02/2024
Silver		1.0		44.0	50.00	0	88.1	44.03	0.04	08/02/2024
Vanadium		5.0		472	500.0	0	94.3	475.4	0.77	08/02/2024
Zinc		15.0		473	500.0	0	94.6	475.6	0.58	08/02/2024

Batch 226703		SampType: MBLK		Units µg/L						
SampID: MBLK-226703										
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	08/06/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/06/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/06/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/06/2024
Copper	*	1.0		< 1.0	0.3000	0	0	-100	100	08/08/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/06/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/06/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/06/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/06/2024
Silver		1.0		< 1.0	0.1000	0	0	-100	100	08/06/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226703		SampType: LCS		Units µg/L							
SampID: LCS-226703											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1730	2000	0	86.7	80	120	08/06/2024	
Arsenic		1.0		473	500.0	0	94.5	80	120	08/06/2024	
Boron		25.0		454	500.0	0	90.9	80	120	08/06/2024	
Cadmium	*	1.0		43.4	50.00	0	86.7	80	120	08/06/2024	
Copper	*	1.0		249	250.0	0	99.6	80	120	08/08/2024	
Iron		25.0		1740	2000	0	86.8	80	120	08/06/2024	
Lead		1.0		441	500.0	0	88.1	80	120	08/06/2024	
Manganese		2.0		445	500.0	0	89.0	80	120	08/06/2024	
Nickel		1.0		425	500.0	0	84.9	80	120	08/06/2024	
Silver		1.0		43.5	50.00	0	87.1	80	120	08/06/2024	
Vanadium		5.0		429	500.0	0	85.8	80	120	08/06/2024	

Batch 226703		SampType: MS		Units µg/L						
SampID: 24080359-008CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		476	500.0	0	95.2	75	125	08/06/2024
Cadmium	*	1.0		41.2	50.00	0	82.4	75	125	08/06/2024
Lead		1.0		438	500.0	0	87.7	75	125	08/06/2024

Batch 226703		SampType: MSD		Units µg/L					RPD Limit 20		
SampID: 24080359-008CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Arsenic		1.0		457	500.0	0	91.3	475.9	4.15	08/06/2024	
Cadmium	*	1.0		41.1	50.00	0	82.2	41.18	0.14	08/06/2024	
Lead		1.0		432	500.0	0	86.5	438.5	1.43	08/06/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226766	SampType:	MBLK	Units µg/L							
SampID: MBLK-226766											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/12/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/13/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/13/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/12/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/13/2024	
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/12/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/13/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/13/2024	
Copper	*	1.0		< 1.0	0.3000	0	0	-100	100	08/12/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/13/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/12/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/13/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/12/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/13/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/13/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	08/12/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/12/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/13/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226766		SampType: LCS		Units µg/L						
SampID: LCS-226766										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		428	500.0	0	85.6	80	120	08/12/2024
Arsenic		1.0		466	500.0	0	93.2	80	120	08/13/2024
Barium		1.0		1960	2000	0	97.9	80	120	08/12/2024
Barium		1.0		1950	2000	0	97.6	80	120	08/13/2024
Boron		25.0		442	500.0	0	88.4	80	120	08/13/2024
Cadmium	*	1.0		46.0	50.00	0	92.1	80	120	08/12/2024
Chromium		1.5		182	200.0	0	91.2	80	120	08/13/2024
Cobalt		1.0		461	500.0	0	92.2	80	120	08/13/2024
Copper	*	1.0		224	250.0	0	89.5	80	120	08/12/2024
Iron		25.0		1850	2000	0	92.7	80	120	08/13/2024
Lead		1.0		465	500.0	0	93.0	80	120	08/12/2024
Manganese		2.0		464	500.0	0	92.8	80	120	08/13/2024
Molybdenum		1.5		429	500.0	0	85.9	80	120	08/12/2024
Nickel		1.0		455	500.0	0	91.0	80	120	08/13/2024
Selenium		1.0		471	500.0	0	94.3	80	120	08/13/2024
Silver		1.0		46.4	50.00	0	92.8	80	120	08/12/2024
Thallium		2.0		231	250.0	0	92.5	80	120	08/12/2024
Vanadium		5.0		455	500.0	0	91.0	80	120	08/13/2024
Zinc		15.0		440	500.0	0	87.9	80	120	08/13/2024

Batch 226766		SampType: MS		Units µg/L							Date Analyzed
SampID: 24071451-014CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		509	500.0	0	101.8	75	125	08/13/2024	
Arsenic		1.0		488	500.0	0	97.6	75	125	08/13/2024	
Barium		1.0		2020	2000	56.20	98.3	75	125	08/13/2024	
Boron		25.0		491	500.0	0	98.3	75	125	08/13/2024	
Cadmium	*	1.0		46.3	50.00	0	92.6	75	125	08/13/2024	
Chromium		1.5		187	200.0	0.8925	92.9	75	125	08/13/2024	
Cobalt		1.0		442	500.0	0	88.4	75	125	08/13/2024	
Lead		1.0		472	500.0	0	94.5	75	125	08/13/2024	
Manganese		2.0		485	500.0	9.130	95.2	75	125	08/13/2024	
Zinc		15.0		456	500.0	0	91.3	75	125	08/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226766	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24071451-014CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony			1.0		510	500.0	0	101.9	509.2	0.06	08/13/2024
Arsenic			1.0		481	500.0	0	96.2	488.1	1.50	08/13/2024
Barium			1.0		2060	2000	56.20	100.1	2021	1.76	08/13/2024
Boron			25.0		493	500.0	0	98.6	491.4	0.36	08/13/2024
Cadmium		*	1.0		47.3	50.00	0	94.6	46.30	2.17	08/13/2024
Chromium			1.5		187	200.0	0.8925	92.9	186.7	0.03	08/13/2024
Cobalt			1.0		448	500.0	0	89.6	441.9	1.34	08/13/2024
Lead			1.0		480	500.0	0	96.1	472.5	1.64	08/13/2024
Manganese			2.0		490	500.0	9.130	96.2	485.0	1.07	08/13/2024
Zinc			15.0		457	500.0	0	91.4	456.3	0.11	08/13/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226779	SampType:	MBLK	Units µg/L							
SampID:		MBLK-226779									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	08/09/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/09/2024	
Antimony		1.0	S	2.2	0.4500	0	498.3	-100	100	08/08/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/09/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/08/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/08/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/08/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/09/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/08/2024	
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/08/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/08/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/08/2024	
Copper	*	1.0		< 1.0	0.3000	0	0	-100	100	08/08/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/09/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/08/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/08/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/09/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/08/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/08/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	08/08/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/08/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/09/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/08/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226779		SampType: LCS		Units µg/L						
SampID: LCS-226779										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2060	2000	0	103.1	80	120	08/09/2024
Antimony		1.0	B	420	500.0	0	84.0	80	120	08/08/2024
Antimony		1.0		438	500.0	0	87.7	80	120	08/09/2024
Arsenic		1.0		476	500.0	0	95.1	80	120	08/08/2024
Arsenic		1.0		479	500.0	0	95.7	80	120	08/09/2024
Barium		1.0		1910	2000	0	95.6	80	120	08/08/2024
Beryllium		1.0		44.7	50.00	0	89.3	80	120	08/08/2024
Boron		25.0		492	500.0	0	98.4	80	120	08/09/2024
Cadmium	*	1.0		45.1	50.00	0	90.3	80	120	08/08/2024
Chromium		1.5		188	200.0	0	93.9	80	120	08/08/2024
Cobalt		1.0		467	500.0	0	93.3	80	120	08/08/2024
Copper	*	1.0		233	250.0	0	93.0	80	120	08/08/2024
Iron		25.0		1950	2000	0	97.5	80	120	08/09/2024
Lead		1.0		463	500.0	0	92.6	80	120	08/08/2024
Manganese		2.0		475	500.0	0	95.0	80	120	08/08/2024
Molybdenum		1.5		426	500.0	0	85.2	80	120	08/09/2024
Nickel		1.0		465	500.0	0	93.0	80	120	08/08/2024
Selenium		1.0		477	500.0	0	95.3	80	120	08/08/2024
Silver		1.0		43.8	50.00	0	87.6	80	120	08/08/2024
Thallium		2.0		248	250.0	0	99.0	80	120	08/08/2024
Vanadium		5.0		470	500.0	0	94.1	80	120	08/09/2024
Zinc		15.0		465	500.0	0	92.9	80	120	08/08/2024

Batch 226779		SampType: MS		Units µg/L							Date Analyzed
SampID: 24071451-013CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	B	501	500.0	0	100.2	75	125	08/08/2024	
Arsenic		1.0		500	500.0	0	100.0	75	125	08/08/2024	
Barium		1.0		2060	2000	89.93	98.3	75	125	08/08/2024	
Boron		25.0		489	500.0	0	97.8	75	125	08/09/2024	
Cadmium	*	1.0		46.9	50.00	0	93.9	75	125	08/08/2024	
Chromium		1.5		196	200.0	0	98.0	75	125	08/08/2024	
Cobalt		1.0		471	500.0	0	94.2	75	125	08/08/2024	
Lead		1.0		477	500.0	0	95.4	75	125	08/08/2024	
Manganese		2.0		506	500.0	24.33	96.3	75	125	08/08/2024	
Zinc		15.0		478	500.0	0	95.7	75	125	08/08/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226779		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24071451-013CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	B	499	500.0	0	99.8	500.8	0.35	08/08/2024
Arsenic		1.0		493	500.0	0	98.6	499.8	1.34	08/08/2024
Barium		1.0		2020	2000	89.93	96.3	2055	1.91	08/08/2024
Boron		25.0		482	500.0	0	96.4	489.2	1.44	08/09/2024
Cadmium	*	1.0		47.3	50.00	0	94.7	46.94	0.85	08/08/2024
Chromium		1.5		195	200.0	0	97.3	196.0	0.66	08/08/2024
Cobalt		1.0		481	500.0	0	96.1	471.0	2.05	08/08/2024
Lead		1.0		461	500.0	0	92.1	477.0	3.48	08/08/2024
Manganese		2.0		509	500.0	24.33	96.9	505.7	0.66	08/08/2024
Zinc		15.0		476	500.0	0	95.2	478.4	0.51	08/08/2024

Batch 226779		SampType: MS		Units µg/L							Date Analyzed
SampID: 24071451-040DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1980	2000	0	99.2	75	125	08/09/2024	
Antimony		1.0	B	486	500.0	0	97.3	75	125	08/09/2024	
Arsenic		1.0		480	500.0	0	95.9	75	125	08/09/2024	
Barium		1.0		1980	2000	72.80	95.2	75	125	08/09/2024	
Beryllium		1.0		46.5	50.00	0	93.1	75	125	08/09/2024	
Boron		25.0		501	500.0	35.50	93.0	75	125	08/09/2024	
Cadmium	*	1.0		44.8	50.00	0	89.5	75	125	08/09/2024	
Chromium		1.5		181	200.0	0	90.7	75	125	08/09/2024	
Cobalt		1.0		462	500.0	0.3012	92.3	75	125	08/09/2024	
Copper	*	1.0		220	250.0	1.137	87.5	75	125	08/09/2024	
Iron		25.0		2500	2000	637.8	93.3	75	125	08/09/2024	
Lead		1.0		456	500.0	0	91.1	75	125	08/09/2024	
Manganese		2.0		937	500.0	496.4	88.1	75	125	08/09/2024	
Molybdenum		1.5		429	500.0	0	85.9	75	125	08/09/2024	
Nickel		1.0		438	500.0	0	87.6	75	125	08/09/2024	
Selenium		1.0		468	500.0	0	93.5	75	125	08/09/2024	
Silver		1.0		43.6	50.00	0	87.3	75	125	08/09/2024	
Thallium		2.0		236	250.0	0	94.2	75	125	08/09/2024	
Vanadium		5.0		472	500.0	0	94.4	75	125	08/09/2024	
Zinc		15.0		455	500.0	0	91.0	75	125	08/09/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226779	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24071451-040DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		2020	2000	0	100.8	1984	1.63	08/09/2024
Antimony			1.0	B	507	500.0	0	101.3	486.4	4.09	08/09/2024
Arsenic			1.0		496	500.0	0	99.2	479.7	3.38	08/09/2024
Barium			1.0		2040	2000	72.80	98.4	1976	3.21	08/09/2024
Beryllium			1.0		47.0	50.00	0	94.1	46.53	1.07	08/09/2024
Boron			25.0		514	500.0	35.50	95.8	500.5	2.73	08/09/2024
Cadmium	*		1.0		45.8	50.00	0	91.6	44.77	2.33	08/09/2024
Chromium			1.5		194	200.0	0	97.2	181.5	6.90	08/09/2024
Cobalt			1.0		493	500.0	0.3012	98.6	461.7	6.62	08/09/2024
Copper	*		1.0		225	250.0	1.137	89.5	220.0	2.16	08/09/2024
Iron			25.0		2600	2000	637.8	97.9	2504	3.60	08/09/2024
Lead			1.0		466	500.0	0	93.3	455.6	2.35	08/09/2024
Manganese			2.0		958	500.0	496.4	92.4	937.0	2.25	08/09/2024
Molybdenum			1.5		458	500.0	0	91.6	429.4	6.42	08/09/2024
Nickel			1.0		455	500.0	0	91.1	438.2	3.85	08/09/2024
Selenium			1.0		483	500.0	0	96.7	467.5	3.32	08/09/2024
Silver			1.0		42.9	50.00	0	85.7	43.64	1.77	08/09/2024
Thallium			2.0		250	250.0	0	100.1	235.6	6.00	08/09/2024
Vanadium			5.0		487	500.0	0	97.3	472.1	3.04	08/09/2024
Zinc			15.0		461	500.0	0	92.1	454.8	1.26	08/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226875	SampType:	MBLK	Units µg/L							
SampleID:		MBLK-226875									Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	08/09/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/12/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/09/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/09/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/09/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/09/2024	
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/09/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/09/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/09/2024	
Copper	*	1.0		< 1.0	0.3000	0	0	-100	100	08/09/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/09/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/09/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/09/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/09/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/09/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/09/2024	
Silver		1.0		< 1.0	0.1000	0	0	-100	100	08/09/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/09/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/09/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/09/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226875		SampType: LCS		Units µg/L							
SampID: LCS-226875											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1970	2000	0	98.7	80	120	08/09/2024	
Antimony		1.0		454	500.0	0	90.7	80	120	08/12/2024	
Arsenic		1.0		486	500.0	0	97.2	80	120	08/09/2024	
Barium		1.0		1970	2000	0	98.3	80	120	08/09/2024	
Beryllium		1.0		44.6	50.00	0	89.2	80	120	08/09/2024	
Boron		25.0		456	500.0	0	91.2	80	120	08/09/2024	
Cadmium	*	1.0		46.7	50.00	0	93.4	80	120	08/09/2024	
Chromium		1.5		190	200.0	0	94.9	80	120	08/09/2024	
Cobalt		1.0		472	500.0	0	94.3	80	120	08/09/2024	
Copper	*	1.0		238	250.0	0	95.3	80	120	08/09/2024	
Iron		25.0		1960	2000	0	97.9	80	120	08/09/2024	
Lead		1.0		440	500.0	0	87.9	80	120	08/09/2024	
Manganese		2.0		479	500.0	0	95.8	80	120	08/09/2024	
Molybdenum		1.5		434	500.0	0	86.9	80	120	08/09/2024	
Nickel		1.0		465	500.0	0	93.0	80	120	08/09/2024	
Selenium		1.0		470	500.0	0	94.0	80	120	08/09/2024	
Silver		1.0		47.4	50.00	0	94.7	80	120	08/09/2024	
Thallium		2.0		239	250.0	0	95.5	80	120	08/09/2024	
Vanadium		5.0		465	500.0	0	93.1	80	120	08/09/2024	
Zinc		15.0		471	500.0	0	94.2	80	120	08/09/2024	

Batch 226875		SampType: MS		Units µg/L						
SampID: 24080689-001CMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		1.0		482	500.0	2.970	95.7	75	125	08/09/2024
Cadmium	*	1.0		44.9	50.00	0	89.9	75	125	08/09/2024
Lead		1.0		433	500.0	0	86.7	75	125	08/09/2024

Batch 226875		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24080689-001CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		1.0		481	500.0	2.970	95.7	481.7	0.04	08/09/2024
Cadmium	*	1.0		45.7	50.00	0	91.3	44.93	1.63	08/09/2024
Lead		1.0		451	500.0	0	90.2	433.3	3.99	08/09/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 227733		SampType: MBLK		Units µg/L							
SampID: MBLK-227733											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		< 25.0	12.50	0	0	-100	100	08/29/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/29/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/29/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/29/2024	
Copper	*	1.0		< 1.0	0.3000	0	0	-100	100	08/29/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/29/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/29/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/29/2024	

Batch 227733		SampType: LCS		Units µg/L							
SampID: LCS-227733											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1950	2000	0	97.5	80	120	08/29/2024	
Antimony		1.0		419	500.0	0	83.9	80	120	08/29/2024	
Arsenic		1.0		483	500.0	0	96.7	80	120	08/29/2024	
Barium		1.0		1860	2000	0	93.1	80	120	08/29/2024	
Copper	*	1.0		230	250.0	0	92.2	80	120	08/29/2024	
Iron		25.0		1950	2000	0	97.6	80	120	08/30/2024	
Lead		1.0		436	500.0	0	87.2	80	120	08/29/2024	
Thallium		2.0		222	250.0	0	88.7	80	120	08/30/2024	
Zinc		15.0		464	500.0	0	92.7	80	120	08/29/2024	

Batch 227815		SampType: MBLK		Units µg/L							
SampID: MBLK-227815											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/30/2024	
Copper	*	1.0		< 1.0	0.3000	0	0	-100	100	08/30/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	09/03/2024	

Batch 227815		SampType: LCS		Units µg/L							
SampID: LCS-227815											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		1.0		473	500.0	0	94.7	80	120	08/30/2024	
Copper	*	1.0		214	250.0	0	85.6	80	120	08/30/2024	
Zinc		15.0		441	500.0	0	88.2	80	120	09/03/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 228021		SampType: MBLK		Units µg/L							
SampID: MBLK-228021											
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	09/06/2024	

Batch 228021		SampType: LCS		Units µg/L							
SampID: LCS-228021											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Aluminum		25.0		1870	2000	0	93.4	80	120	09/06/2024	

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

Batch 226445		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-226445											
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	08/02/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/02/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/01/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/01/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/01/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/01/2024	
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/01/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/01/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/01/2024	
Copper	*	1.0		< 1.0	0.2980	0	0	-100	100	08/01/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/01/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/01/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/01/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/05/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/01/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/01/2024	
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/01/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/01/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/01/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/01/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226445	SampType:	LCS	Units µg/L							
SampID:		LCS-226445									
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum			25.0		2070	2000	0	103.4	80	120	08/02/2024
Antimony			1.0		465	500.0	0	93.0	80	120	08/02/2024
Arsenic			1.0		477	500.0	0	95.4	80	120	08/01/2024
Barium			1.0		1920	2000	0	96.1	80	120	08/01/2024
Beryllium			1.0		47.3	50.00	0	94.6	80	120	08/01/2024
Boron			25.0		487	500.0	0	97.3	80	120	08/01/2024
Cadmium		*	1.0		47.8	50.00	0	95.6	80	120	08/01/2024
Chromium			1.5		184	200.0	0	92.0	80	120	08/01/2024
Cobalt			1.0		471	500.0	0	94.2	80	120	08/01/2024
Copper		*	1.0		235	250.0	0	93.9	80	120	08/01/2024
Lead			1.0		485	500.0	0	97.0	80	120	08/01/2024
Lithium		*	3.0		494	500.0	0	98.8	80	120	08/01/2024
Manganese			2.0		474	500.0	0	94.9	80	120	08/01/2024
Molybdenum			1.5		453	500.0	0	90.6	80	120	08/05/2024
Nickel			1.0		468	500.0	0	93.6	80	120	08/01/2024
Selenium			1.0		500	500.0	0	100.0	80	120	08/01/2024
Silver			1.0		45.9	50.00	0	91.7	80	120	08/01/2024
Thallium			2.0		256	250.0	0	102.4	80	120	08/02/2024
Vanadium			5.0		445	500.0	0	89.0	80	120	08/01/2024
Zinc			15.0		470	500.0	0	93.9	80	120	08/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226445 SampType: MS Units µg/L

SampleID: 24071451-030CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2050	2000	58.32	99.5	75	125	08/02/2024
Antimony		1.0		544	500.0	0.6683	108.6	75	125	08/02/2024
Arsenic		1.0		471	500.0	0.6794	94.1	75	125	08/01/2024
Barium		1.0		2010	2000	115.6	94.8	75	125	08/01/2024
Beryllium		1.0		49.5	50.00	0	99.0	75	125	08/01/2024
Boron		25.0		509	500.0	0	101.8	75	125	08/01/2024
Cadmium	*	1.0		48.3	50.00	0	96.6	75	125	08/01/2024
Chromium		1.5		186	200.0	0	92.8	75	125	08/01/2024
Cobalt		1.0		462	500.0	0.1962	92.3	75	125	08/01/2024
Copper	*	1.0		232	250.0	2.536	91.7	75	125	08/01/2024
Lead		1.0		496	500.0	0	99.1	75	125	08/01/2024
Manganese		2.0		645	500.0	208.9	87.3	75	125	08/01/2024
Molybdenum		1.5		463	500.0	1.353	92.4	75	125	08/05/2024
Nickel		1.0		455	500.0	0.6884	90.9	75	125	08/01/2024
Selenium		1.0		491	500.0	0	98.3	75	125	08/01/2024
Silver		1.0		44.3	50.00	0	88.5	75	125	08/01/2024
Thallium		2.0		248	250.0	1.631	98.7	75	125	08/02/2024
Vanadium		5.0		456	500.0	0	91.2	75	125	08/01/2024
Zinc		15.0		468	500.0	7.030	92.3	75	125	08/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226445	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24071451-030CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		2090	2000	58.32	101.5	2049	1.84	08/02/2024
Antimony			1.0		574	500.0	0.6683	114.7	543.7	5.45	08/02/2024
Arsenic			1.0		495	500.0	0.6794	98.8	471.4	4.87	08/01/2024
Barium			1.0		2030	2000	115.6	95.9	2011	1.15	08/01/2024
Beryllium			1.0		51.7	50.00	0	103.5	49.49	4.42	08/01/2024
Boron			25.0		502	500.0	0	100.4	509.1	1.39	08/01/2024
Cadmium		*	1.0		48.6	50.00	0	97.2	48.29	0.67	08/01/2024
Chromium			1.5		193	200.0	0	96.6	185.5	4.08	08/01/2024
Cobalt			1.0		482	500.0	0.1962	96.4	461.5	4.39	08/01/2024
Copper		*	1.0		238	250.0	2.536	94.3	231.8	2.80	08/01/2024
Lead			1.0		509	500.0	0	101.7	495.7	2.58	08/01/2024
Manganese			2.0		655	500.0	208.9	89.2	645.4	1.47	08/01/2024
Molybdenum			1.5		492	500.0	1.353	98.1	463.4	5.95	08/05/2024
Nickel			1.0		469	500.0	0.6884	93.7	455.4	3.02	08/01/2024
Selenium			1.0		513	500.0	0	102.6	491.5	4.26	08/01/2024
Silver			1.0		43.4	50.00	0	86.8	44.26	1.99	08/01/2024
Thallium			2.0		246	250.0	1.631	97.7	248.5	1.01	08/02/2024
Vanadium			5.0		474	500.0	0	94.8	456.2	3.84	08/01/2024
Zinc			15.0		485	500.0	7.030	95.7	468.5	3.54	08/01/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226459 SampType: MBLK Units µg/L

SampleID: MBLK-226459

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	08/02/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/05/2024
Antimony		1.0	S	1.3	0.4500	0	281.9	-100	100	08/01/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/01/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/01/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/01/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/02/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/01/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/01/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/01/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/01/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/01/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/01/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/01/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/01/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/01/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/01/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/01/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/01/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/01/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/01/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226459		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-226459											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2010	2000	0	100.3	80	120	08/02/2024	
Antimony		1.0	B	531	500.0	0	106.2	80	120	08/01/2024	
Arsenic		1.0		510	500.0	0	102.0	80	120	08/01/2024	
Barium		1.0		2040	2000	0	102.0	80	120	08/01/2024	
Beryllium		1.0		50.3	50.00	0	100.7	80	120	08/01/2024	
Boron		25.0		529	500.0	0	105.8	80	120	08/02/2024	
Cadmium	*	1.0		50.1	50.00	0	100.3	80	120	08/01/2024	
Chromium		1.5		194	200.0	0	96.8	80	120	08/01/2024	
Cobalt		1.0		494	500.0	0	98.8	80	120	08/01/2024	
Iron		25.0		2200	2000	0	110.1	80	120	08/01/2024	
Lead		1.0		482	500.0	0	96.4	80	120	08/01/2024	
Lithium	*	3.0		528	500.0	0	105.7	80	120	08/01/2024	
Manganese		2.0		517	500.0	0	103.4	80	120	08/01/2024	
Molybdenum		1.5		437	500.0	0	87.4	80	120	08/01/2024	
Nickel		1.0		500	500.0	0	100.0	80	120	08/01/2024	
Selenium		1.0		537	500.0	0	107.5	80	120	08/01/2024	
Silver		1.0		46.0	50.00	0	92.1	80	120	08/01/2024	
Thallium		2.0		219	250.0	0	87.8	80	120	08/01/2024	
Vanadium		5.0		476	500.0	0	95.3	80	120	08/01/2024	
Zinc		15.0		509	500.0	0	101.8	80	120	08/01/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226542 SampType: MBLK Units µg/L

SampleID: MBLK-226542

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	08/05/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/08/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/05/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/05/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/05/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/05/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/05/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/05/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/05/2024
Copper	*	1.0		< 1.0	0.2980	0	0	-100	100	08/06/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/06/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/05/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/05/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/05/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/05/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/05/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/05/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/05/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/05/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/05/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226542		SampType: LCS		Units µg/L							
SampID: LCS-226542											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1840	2000	0	92.2	80	120	08/05/2024	
Antimony		1.0		550	500.0	0	110.0	80	120	08/08/2024	
Arsenic		1.0		498	500.0	0	99.7	80	120	08/05/2024	
Barium		1.0		2100	2000	0	104.9	80	120	08/05/2024	
Beryllium		1.0		48.1	50.00	0	96.2	80	120	08/05/2024	
Boron		25.0		471	500.0	0	94.2	80	120	08/05/2024	
Cadmium	*	1.0		49.2	50.00	0	98.3	80	120	08/05/2024	
Chromium		1.5		183	200.0	0	91.7	80	120	08/05/2024	
Cobalt		1.0		473	500.0	0	94.5	80	120	08/05/2024	
Copper	*	1.0		236	250.0	0	94.4	80	120	08/06/2024	
Iron		25.0		1890	2000	0	94.4	80	120	08/06/2024	
Lead		1.0		483	500.0	0	96.6	80	120	08/05/2024	
Lithium	*	3.0		489	500.0	0	97.8	80	120	08/05/2024	
Manganese		2.0		500	500.0	0	100.0	80	120	08/05/2024	
Molybdenum		1.5		407	500.0	0	81.4	80	120	08/05/2024	
Nickel		1.0		481	500.0	0	96.2	80	120	08/05/2024	
Selenium		1.0		526	500.0	0	105.3	80	120	08/05/2024	
Silver		1.0		47.2	50.00	0	94.5	80	120	08/05/2024	
Thallium		2.0		233	250.0	0	93.1	80	120	08/05/2024	
Vanadium		5.0		482	500.0	0	96.3	80	120	08/05/2024	
Zinc		15.0		477	500.0	0	95.3	80	120	08/05/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226542 SampType: MS Units µg/L

SampleID: 24071451-042BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		530	500.0	0	105.9	75	125	08/08/2024
Arsenic		1.0		484	500.0	0.8165	96.7	75	125	08/05/2024
Barium		1.0		2040	2000	66.36	98.9	75	125	08/05/2024
Beryllium		1.0		47.7	50.00	0	95.4	75	125	08/05/2024
Boron		25.0		498	500.0	11.49	97.3	75	125	08/05/2024
Cadmium	*	1.0		47.5	50.00	0	95.1	75	125	08/05/2024
Chromium		1.5		171	200.0	0	85.7	75	125	08/05/2024
Cobalt		1.0		437	500.0	0.6914	87.2	75	125	08/05/2024
Lead		1.0		469	500.0	0	93.8	75	125	08/05/2024
Lithium	*	3.0		499	500.0	7.980	98.2	75	125	08/05/2024
Molybdenum		1.5		403	500.0	1.051	80.3	75	125	08/05/2024
Selenium		1.0		516	500.0	0	103.3	75	125	08/05/2024
Thallium		2.0		227	250.0	0	90.9	75	125	08/05/2024

Batch 226542 SampType: MSD Units µg/L

RPD Limit 20

SampleID: 24071451-042BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		548	500.0	0	109.5	529.7	3.32	08/08/2024
Arsenic		1.0		484	500.0	0.8165	96.7	484.5	0.01	08/05/2024
Barium		1.0		2050	2000	66.36	99.1	2044	0.21	08/05/2024
Beryllium		1.0		50.6	50.00	0	101.1	47.71	5.80	08/05/2024
Boron		25.0		511	500.0	11.49	99.8	497.9	2.53	08/05/2024
Cadmium	*	1.0		47.4	50.00	0	94.8	47.55	0.35	08/05/2024
Chromium		1.5		175	200.0	0	87.3	171.5	1.81	08/05/2024
Cobalt		1.0		445	500.0	0.6914	88.8	436.6	1.87	08/05/2024
Lead		1.0		474	500.0	0	94.8	469.2	1.04	08/05/2024
Lithium	*	3.0		509	500.0	7.980	100.1	498.9	1.92	08/05/2024
Molybdenum		1.5		406	500.0	1.051	81.0	402.6	0.87	08/05/2024
Selenium		1.0		517	500.0	0	103.3	516.4	0.04	08/05/2024
Thallium		2.0		233	250.0	0	93.2	227.3	2.45	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226550 SampType: MBLK Units µg/L

SampID: MBLK-226550

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	08/09/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/06/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/06/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/06/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/06/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/06/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/06/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/06/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/06/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/06/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/06/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/06/2024

Batch 226550 SampType: LCS Units µg/L

SampID: LCS-226550

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		538	500.0	0	107.6	80	120	08/09/2024
Arsenic		1.0		503	500.0	0	100.6	80	120	08/06/2024
Barium		1.0		2000	2000	0	99.9	80	120	08/06/2024
Beryllium		1.0		53.1	50.00	0	106.1	80	120	08/06/2024
Boron		25.0		533	500.0	0	106.7	80	120	08/06/2024
Cadmium	*	1.0		51.7	50.00	0	103.4	80	120	08/06/2024
Chromium		1.5		195	200.0	0	97.6	80	120	08/06/2024
Cobalt		1.0		500	500.0	0	100.1	80	120	08/06/2024
Lead		1.0		487	500.0	0	97.5	80	120	08/08/2024
Molybdenum		1.5		462	500.0	0	92.4	80	120	08/06/2024
Selenium		1.0		525	500.0	0	105.0	80	120	08/06/2024
Thallium		2.0		213	250.0	0	85.2	80	120	08/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226569 SampType: MBLK Units µg/L

SampleID: MBLK-226569

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	08/06/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/05/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/06/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/05/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/05/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/06/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/06/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/05/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/05/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/05/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/05/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/05/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/06/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/05/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/05/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/05/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/05/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/05/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/05/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/05/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226569		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-226569											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2090	2000	0	104.4	80	120	08/06/2024	
Antimony		1.0		587	500.0	0	117.5	80	120	08/05/2024	
Arsenic		1.0		523	500.0	0	104.7	80	120	08/05/2024	
Arsenic		1.0		514	500.0	0	102.8	80	120	08/06/2024	
Barium		1.0		2150	2000	0	107.6	80	120	08/05/2024	
Beryllium		1.0		50.5	50.00	0	101.0	80	120	08/06/2024	
Boron		25.0		505	500.0	0	101.1	80	120	08/06/2024	
Cadmium	*	1.0		52.7	50.00	0	105.4	80	120	08/05/2024	
Chromium		1.5		211	200.0	0	105.3	80	120	08/05/2024	
Cobalt		1.0		528	500.0	0	105.5	80	120	08/05/2024	
Iron		25.0		2240	2000	0	112.1	80	120	08/06/2024	
Lead		1.0		509	500.0	0	101.9	80	120	08/06/2024	
Lead		1.0	S	600	500.0	0	120.1	80	120	08/05/2024	
Lithium	*	3.0		518	500.0	0	103.6	80	120	08/06/2024	
Manganese		2.0		530	500.0	0	106.0	80	120	08/05/2024	
Molybdenum		1.5		467	500.0	0	93.3	80	120	08/05/2024	
Selenium		1.0		551	500.0	0	110.1	80	120	08/05/2024	
Silver		1.0		49.4	50.00	0	98.9	80	120	08/05/2024	
Thallium		2.0		211	250.0	0	84.2	80	120	08/05/2024	
Vanadium		5.0		513	500.0	0	102.6	80	120	08/05/2024	
Zinc		15.0		542	500.0	0	108.4	80	120	08/05/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226569 SampType: MS Units µg/L

SampleID: 24071451-035CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2150	2000	39.01	105.3	75	125	08/06/2024
Antimony		1.0		537	500.0	0	107.5	75	125	08/06/2024
Arsenic		1.0		511	500.0	0	102.3	75	125	08/06/2024
Barium		1.0		2060	2000	52.07	100.2	75	125	08/06/2024
Beryllium		1.0		52.4	50.00	0	104.8	75	125	08/06/2024
Boron		25.0		541	500.0	0	108.1	75	125	08/06/2024
Cadmium	*	1.0		51.0	50.00	0	102.0	75	125	08/06/2024
Chromium		1.5		207	200.0	0	103.5	75	125	08/06/2024
Cobalt		1.0		493	500.0	0	98.5	75	125	08/06/2024
Iron		25.0		2230	2000	43.26	109.2	75	125	08/06/2024
Lead		1.0		546	500.0	0	109.2	75	125	08/06/2024
Lithium	*	3.0		541	500.0	1.655	108.0	75	125	08/06/2024
Manganese		2.0		521	500.0	13.24	101.5	75	125	08/06/2024
Molybdenum		1.5		469	500.0	0	93.9	75	125	08/06/2024
Nickel		1.0		484	500.0	1.259	96.6	75	125	08/06/2024
Selenium		1.0		528	500.0	0	105.5	75	125	08/06/2024
Silver		1.0		48.1	50.00	0	96.2	75	125	08/06/2024
Thallium		2.0		221	250.0	0	88.3	75	125	08/06/2024
Vanadium		5.0		494	500.0	0	98.8	75	125	08/06/2024
Zinc		15.0		501	500.0	0	100.3	75	125	08/06/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226569	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24071451-035CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		2100	2000	39.01	102.8	2145	2.32	08/06/2024
Antimony			1.0		556	500.0	0	111.2	537.3	3.41	08/06/2024
Arsenic			1.0		507	500.0	0	101.4	511.4	0.82	08/06/2024
Barium			1.0		2110	2000	52.07	103.0	2055	2.75	08/06/2024
Beryllium			1.0		52.0	50.00	0	104.1	52.38	0.65	08/06/2024
Boron			25.0		531	500.0	0	106.3	540.5	1.71	08/06/2024
Cadmium	*		1.0		52.0	50.00	0	104.0	51.01	1.93	08/06/2024
Chromium			1.5		195	200.0	0	97.7	207.0	5.73	08/06/2024
Cobalt			1.0		479	500.0	0	95.7	492.5	2.84	08/06/2024
Iron			25.0		2150	2000	43.26	105.2	2228	3.71	08/06/2024
Lead			1.0		519	500.0	0	103.8	545.8	5.04	08/06/2024
Lithium	*		3.0		535	500.0	1.655	106.6	541.4	1.26	08/06/2024
Manganese			2.0		509	500.0	13.24	99.1	520.6	2.33	08/06/2024
Molybdenum			1.5		472	500.0	0	94.5	469.5	0.60	08/06/2024
Nickel			1.0		480	500.0	1.259	95.8	484.5	0.91	08/06/2024
Selenium			1.0		529	500.0	0	105.7	527.7	0.16	08/06/2024
Silver			1.0		51.3	50.00	0	102.6	48.08	6.45	08/06/2024
Thallium			2.0		211	250.0	0	84.4	220.7	4.50	08/06/2024
Vanadium			5.0		487	500.0	0	97.5	493.8	1.29	08/06/2024
Zinc			15.0		495	500.0	0	99.0	501.4	1.32	08/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226612 SampType: MBLK Units µg/L

SampleID: MBLK-226612

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	08/08/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/05/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/05/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/05/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/05/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/05/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/05/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/05/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/05/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/08/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/06/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/05/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/05/2024

Batch 226612 SampType: LCS Units µg/L

SampleID: LCS-226612

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		546	500.0	0	109.3	80	120	08/08/2024
Arsenic		1.0		503	500.0	0	100.5	80	120	08/05/2024
Barium		1.0		2060	2000	0	102.8	80	120	08/05/2024
Beryllium		1.0		47.8	50.00	0	95.6	80	120	08/05/2024
Boron		25.0		501	500.0	0	100.2	80	120	08/05/2024
Cadmium	*	1.0		49.1	50.00	0	98.1	80	120	08/05/2024
Chromium		1.5		184	200.0	0	92.1	80	120	08/05/2024
Cobalt		1.0		475	500.0	0	95.1	80	120	08/05/2024
Lead		1.0		484	500.0	0	96.8	80	120	08/05/2024
Lithium	*	3.0		515	500.0	0	102.9	80	120	08/08/2024
Molybdenum		1.5		449	500.0	0	89.8	80	120	08/06/2024
Selenium		1.0		544	500.0	0	108.7	80	120	08/05/2024
Thallium		2.0		235	250.0	0	94.1	80	120	08/05/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226612 SampType: MS Units µg/L

SampleID: 24071451-077BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		542	500.0	0.4677	108.4	75	125	08/08/2024
Arsenic		1.0		519	500.0	0	103.8	75	125	08/05/2024
Barium		1.0		2240	2000	129.2	105.8	75	125	08/05/2024
Beryllium		1.0		51.5	50.00	0	103.0	75	125	08/05/2024
Boron		25.0		536	500.0	25.54	102.2	75	125	08/05/2024
Cadmium	*	1.0		50.6	50.00	0	101.2	75	125	08/05/2024
Chromium		1.5		187	200.0	0	93.4	75	125	08/05/2024
Cobalt		1.0		474	500.0	0.4633	94.7	75	125	08/05/2024
Lead		1.0		501	500.0	0	100.1	75	125	08/05/2024
Lithium	*	3.0		521	500.0	3.259	103.6	75	125	08/08/2024
Molybdenum		1.5		448	500.0	1.109	89.4	75	125	08/06/2024
Selenium		1.0		555	500.0	0	111.0	75	125	08/05/2024
Thallium		2.0		245	250.0	0	98.1	75	125	08/05/2024

Batch 226612 SampType: MSD Units µg/L

RPD Limit 20

SampleID: 24071451-077BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		551	500.0	0.4677	110.2	542.3	1.68	08/08/2024
Arsenic		1.0		494	500.0	0	98.9	519.0	4.85	08/05/2024
Barium		1.0		2200	2000	129.2	103.4	2245	2.13	08/05/2024
Beryllium		1.0		52.1	50.00	0	104.3	51.51	1.20	08/05/2024
Boron		25.0		534	500.0	25.54	101.7	536.3	0.40	08/05/2024
Cadmium	*	1.0		49.1	50.00	0	98.1	50.62	3.15	08/05/2024
Chromium		1.5		181	200.0	0	90.3	186.9	3.41	08/05/2024
Cobalt		1.0		454	500.0	0.4633	90.6	473.8	4.35	08/05/2024
Lead		1.0		492	500.0	0	98.3	500.6	1.79	08/05/2024
Lithium	*	3.0		523	500.0	3.259	104.0	521.4	0.36	08/08/2024
Molybdenum		1.5		468	500.0	2.103	93.3	431.5	8.21	08/06/2024
Selenium		1.0		528	500.0	0	105.5	555.0	5.08	08/05/2024
Thallium		2.0		242	250.0	0	97.0	245.3	1.16	08/05/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226738		SampType: MBLK		Units µg/L							Date Analyzed	
SampID: MBLK-226738												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/08/2024		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/08/2024		
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/08/2024		
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/08/2024		
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/08/2024		
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/08/2024		
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/08/2024		
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/08/2024		
Copper	*	1.0		< 1.0	0.2980	0	0	-100	100	08/08/2024		
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/09/2024		
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/08/2024		
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/08/2024		
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/08/2024		
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/09/2024		
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/08/2024		
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/08/2024		
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/08/2024		
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/08/2024		
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/08/2024		



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226738		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-226738											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0		539	500.0	0	107.9	80	120	08/08/2024	
Arsenic		1.0		530	500.0	0	105.9	80	120	08/08/2024	
Barium		1.0		2100	2000	0	104.9	80	120	08/08/2024	
Beryllium		1.0		50.2	50.00	0	100.5	80	120	08/08/2024	
Boron		25.0		529	500.0	0	105.8	80	120	08/09/2024	
Boron		25.0		518	500.0	0	103.5	80	120	08/08/2024	
Cadmium	*	1.0		50.4	50.00	0	100.9	80	120	08/08/2024	
Chromium		1.5		208	200.0	0	104.2	80	120	08/08/2024	
Cobalt		1.0		525	500.0	0	104.9	80	120	08/08/2024	
Copper	*	1.0		255	250.0	0	102.1	80	120	08/08/2024	
Iron		25.0		2260	2000	0	113.1	80	120	08/09/2024	
Lead		1.0		495	500.0	0	98.9	80	120	08/08/2024	
Lithium	*	3.0		521	500.0	0	104.2	80	120	08/08/2024	
Lithium	*	3.0		538	500.0	0	107.5	80	120	08/09/2024	
Manganese		2.0		520	500.0	0	104.1	80	120	08/08/2024	
Molybdenum		1.5		477	500.0	0	95.4	80	120	08/09/2024	
Nickel		1.0		514	500.0	0	102.8	80	120	08/08/2024	
Selenium		1.0		531	500.0	0	106.2	80	120	08/08/2024	
Silver		1.0		50.9	50.00	0	101.7	80	120	08/08/2024	
Thallium		2.0		248	250.0	0	99.2	80	120	08/08/2024	
Zinc		15.0		514	500.0	0	102.9	80	120	08/08/2024	

Batch 226738		SampType: MS		Units µg/L							
SampID: 24071451-012CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Boron		25.0		556	500.0	0	111.2	75	125	08/08/2024	

Batch 226738		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24071451-012CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Boron			25.0		539	500.0	0	107.8	556.1	3.13	08/08/2024

Batch 226738		SampType: MS		Units µg/L							
SampID: 24071451-030CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Iron		25.0		2400	2000	208.2	109.7	75	125	08/09/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226738		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24071451-030CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Iron			25.0		2450	2000	208.2	111.9	2403	1.75	08/09/2024

Batch 226774		SampType: MBLK		Units µg/L							Date Analyzed
SampID: MBLK-226774											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	S	2.6	0.4500	0	568.1	-100	100	08/09/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/12/2024	
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/09/2024	
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/09/2024	
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/09/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/09/2024	
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/09/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/09/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/09/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/09/2024	
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/12/2024	
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/09/2024	
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/09/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/09/2024	

Batch 226774		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-226774											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Antimony		1.0	B	573	500.0	0	114.6	80	120	08/09/2024	
Arsenic		1.0		549	500.0	0	109.9	80	120	08/09/2024	
Barium		1.0		2220	2000	0	110.9	80	120	08/09/2024	
Beryllium		1.0		47.2	50.00	0	94.3	80	120	08/09/2024	
Boron		25.0		490	500.0	0	98.0	80	120	08/09/2024	
Cadmium	*	1.0		51.2	50.00	0	102.5	80	120	08/09/2024	
Chromium		1.5		199	200.0	0	99.3	80	120	08/09/2024	
Cobalt		1.0		524	500.0	0	104.9	80	120	08/09/2024	
Lead		1.0		519	500.0	0	103.7	80	120	08/09/2024	
Lithium	*	3.0		567	500.0	0	113.4	80	120	08/12/2024	
Molybdenum		1.5		480	500.0	0	96.1	80	120	08/09/2024	
Selenium		1.0		593	500.0	0	118.5	80	120	08/09/2024	
Thallium		2.0		255	250.0	0	101.9	80	120	08/09/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226774 SampType: MS Units µg/L

SampID: 24071451-101BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0	B	563	500.0	0.5734	112.5	75	125	08/09/2024
Arsenic		1.0		544	500.0	0	108.7	75	125	08/09/2024
Barium		1.0		2120	2000	13.28	105.6	75	125	08/09/2024
Beryllium		1.0		46.1	50.00	0	92.2	75	125	08/09/2024
Boron		25.0		2510	500.0	2066	88.4	75	125	08/09/2024
Cadmium	*	1.0		48.8	50.00	0	97.6	75	125	08/09/2024
Chromium		1.5		186	200.0	0	93.2	75	125	08/09/2024
Cobalt		1.0		488	500.0	1.189	97.4	75	125	08/09/2024
Lead		1.0		503	500.0	0	100.7	75	125	08/09/2024
Lithium	*	3.0		532	500.0	4.417	105.6	75	125	08/12/2024
Molybdenum		1.5		476	500.0	0	95.2	75	125	08/09/2024
Selenium		1.0		560	500.0	0	111.9	75	125	08/09/2024
Thallium		2.0		247	250.0	0	98.8	75	125	08/09/2024

Batch 226774 SampType: MSD Units µg/L

RPD Limit 20

SampID: 24071451-101BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0	B	591	500.0	0.5734	118.0	563.2	4.78	08/09/2024
Arsenic		1.0		547	500.0	0	109.4	543.5	0.63	08/09/2024
Barium		1.0		2210	2000	13.28	109.8	2124	3.89	08/09/2024
Beryllium		1.0		47.6	50.00	0	95.1	46.09	3.12	08/09/2024
Boron		25.0		2540	500.0	2066	94.0	2508	1.13	08/09/2024
Cadmium	*	1.0		51.5	50.00	0	103.1	48.80	5.49	08/09/2024
Chromium		1.5		193	200.0	0	96.5	186.4	3.42	08/09/2024
Cobalt		1.0		510	500.0	1.189	101.7	488.3	4.32	08/09/2024
Lead		1.0		518	500.0	0	103.6	503.4	2.84	08/09/2024
Lithium	*	3.0		570	500.0	4.417	113.1	532.4	6.79	08/12/2024
Molybdenum		1.5		498	500.0	0	99.6	475.9	4.53	08/09/2024
Selenium		1.0		565	500.0	0	113.0	559.5	0.95	08/09/2024
Thallium		2.0		254	250.0	0	101.8	246.9	3.01	08/09/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226782 SampType: MBLK Units µg/L

SampleID: MBLK-226782

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	08/09/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/09/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/09/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/09/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/09/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/09/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/09/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/09/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/09/2024
Copper	*	1.0		< 1.0	0.2980	0	0	-100	100	08/09/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/12/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/09/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/09/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/09/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/09/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/09/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/09/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/09/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/09/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/09/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226782		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-226782											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2100	2000	0	104.8	80	120	08/09/2024	
Antimony		1.0		580	500.0	0	116.0	80	120	08/12/2024	
Antimony		1.0	S	620	500.0	0	124.0	80	120	08/09/2024	
Arsenic		1.0		549	500.0	0	109.9	80	120	08/09/2024	
Barium		1.0		2320	2000	0	116.1	80	120	08/09/2024	
Beryllium		1.0		43.4	50.00	0	86.9	80	120	08/09/2024	
Boron		25.0		433	500.0	0	86.6	80	120	08/09/2024	
Cadmium	*	1.0		51.6	50.00	0	103.2	80	120	08/09/2024	
Chromium		1.5		200	200.0	0	100.0	80	120	08/09/2024	
Cobalt		1.0		529	500.0	0	105.8	80	120	08/09/2024	
Copper	*	1.0		247	250.0	0	98.9	80	120	08/09/2024	
Iron		25.0		2230	2000	0	111.3	80	120	08/12/2024	
Lead		1.0		526	500.0	0	105.1	80	120	08/09/2024	
Lithium	*	3.0		532	500.0	0	106.4	80	120	08/09/2024	
Manganese		2.0		592	500.0	0	118.4	80	120	08/09/2024	
Molybdenum		1.5		483	500.0	0	96.6	80	120	08/09/2024	
Nickel		1.0		560	500.0	0	111.9	80	120	08/09/2024	
Selenium		1.0		585	500.0	0	117.1	80	120	08/09/2024	
Silver		1.0		50.4	50.00	0	100.9	80	120	08/09/2024	
Thallium		2.0		258	250.0	0	103.1	80	120	08/09/2024	
Vanadium		5.0		562	500.0	0	112.4	80	120	08/09/2024	
Zinc		15.0		533	500.0	0	106.6	80	120	08/12/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226782 SampType: MS

Units µg/L

SampleID: 24071451-038CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		1970	2000	33.06	96.8	75	125	08/09/2024
Antimony		1.0		572	500.0	0	114.4	75	125	08/09/2024
Arsenic		1.0		538	500.0	1.876	107.3	75	125	08/09/2024
Barium		1.0		2200	2000	29.61	108.4	75	125	08/09/2024
Beryllium		1.0		43.7	50.00	0	87.4	75	125	08/09/2024
Boron		25.0		1090	500.0	576.0	102.7	75	125	08/09/2024
Cadmium	*	1.0		50.5	50.00	0	101.0	75	125	08/09/2024
Chromium		1.5		186	200.0	0	93.2	75	125	08/09/2024
Cobalt		1.0		502	500.0	0.4437	100.3	75	125	08/09/2024
Copper	*	1.0		222	250.0	0	88.7	75	125	08/09/2024
Iron		25.0		4300	2000	1931	118.3	75	125	08/12/2024
Lead		1.0		510	500.0	0	102.1	75	125	08/09/2024
Lithium	*	3.0		589	500.0	6.682	116.5	75	125	08/09/2024
Manganese		2.0		1100	500.0	513.3	116.4	75	125	08/12/2024
Molybdenum		1.5		485	500.0	0	96.9	75	125	08/09/2024
Nickel		1.0		501	500.0	0	100.2	75	125	08/09/2024
Selenium		1.0		552	500.0	0	110.3	75	125	08/09/2024
Silver		1.0		47.6	50.00	0	95.1	75	125	08/09/2024
Thallium		2.0		253	250.0	0	101.4	75	125	08/09/2024
Vanadium		5.0		533	500.0	0	106.7	75	125	08/09/2024
Zinc		15.0		510	500.0	0	102.0	75	125	08/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226782	SampType:	MSD	Units µg/L				RPD Limit 20			
SampID: 24071451-038CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aluminum			25.0		1980	2000	33.06	97.2	1968	0.42	08/09/2024
Antimony			1.0		570	500.0	0	114.1	571.9	0.25	08/09/2024
Arsenic			1.0		531	500.0	1.876	105.9	538.2	1.26	08/09/2024
Barium			1.0		2160	2000	29.61	106.4	2198	1.91	08/09/2024
Beryllium			1.0		43.7	50.00	0	87.5	43.70	0.11	08/09/2024
Boron			25.0		1080	500.0	576.0	101.0	1090	0.79	08/09/2024
Cadmium		*	1.0		49.8	50.00	0	99.6	50.48	1.35	08/09/2024
Chromium			1.5		187	200.0	0	93.3	186.4	0.08	08/09/2024
Cobalt			1.0		496	500.0	0.4437	99.0	502.0	1.30	08/09/2024
Copper		*	1.0		220	250.0	0	88.1	221.8	0.65	08/09/2024
Iron			25.0		4420	2000	1931	124.4	4297	2.80	08/12/2024
Lead			1.0		513	500.0	0	102.7	510.5	0.57	08/09/2024
Lithium		*	3.0		575	500.0	6.682	113.6	589.1	2.49	08/09/2024
Manganese			2.0		1130	500.0	513.3	122.5	1095	2.74	08/12/2024
Molybdenum			1.5		480	500.0	0	96.0	484.6	0.99	08/09/2024
Nickel			1.0		499	500.0	0	99.9	501.1	0.34	08/09/2024
Selenium			1.0		544	500.0	0	108.7	551.7	1.45	08/09/2024
Silver			1.0		47.4	50.00	0	94.8	47.56	0.33	08/09/2024
Thallium			2.0		257	250.0	0	102.8	253.4	1.38	08/09/2024
Vanadium			5.0		545	500.0	0	109.0	533.3	2.21	08/09/2024
Zinc			15.0		518	500.0	0	103.6	509.8	1.65	08/12/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226782 SampType: MS Units µg/L

SampleID: 24071451-099CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Antimony		1.0		588	500.0	0	117.6	75	125	08/09/2024
Arsenic		1.0		566	500.0	0	113.3	75	125	08/09/2024
Barium		1.0		2240	2000	51.94	109.6	75	125	08/09/2024
Beryllium		1.0		49.9	50.00	0	99.8	75	125	08/09/2024
Boron		25.0		511	500.0	0	102.2	75	125	08/09/2024
Cadmium	*	1.0		52.1	50.00	0	104.3	75	125	08/09/2024
Chromium		1.5		199	200.0	0	99.5	75	125	08/09/2024
Cobalt		1.0		507	500.0	0	101.3	75	125	08/09/2024
Copper	*	1.0		236	250.0	0	94.4	75	125	08/09/2024
Lead		1.0		527	500.0	0	105.4	75	125	08/09/2024
Lithium	*	3.0		580	500.0	5.263	114.9	75	125	08/12/2024
Manganese		2.0		655	500.0	91.51	112.6	75	125	08/12/2024
Molybdenum		1.5		495	500.0	0	99.1	75	125	08/09/2024
Nickel		1.0		535	500.0	0	107.1	75	125	08/09/2024
Selenium		1.0		600	500.0	2.409	119.5	75	125	08/09/2024
Silver		1.0		49.6	50.00	0	99.3	75	125	08/09/2024
Thallium		2.0		262	250.0	0	104.7	75	125	08/09/2024
Vanadium		5.0		563	500.0	0	112.6	75	125	08/09/2024
Zinc		15.0		541	500.0	0	108.1	75	125	08/12/2024



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226782		SampType: MSD		Units µg/L				RPD Limit 20		
SampID: 24071451-099CMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Antimony		1.0		581	500.0	0	116.3	587.9	1.13	08/09/2024
Arsenic		1.0		550	500.0	0	110.1	566.4	2.88	08/09/2024
Barium		1.0		2240	2000	51.94	109.6	2244	0.02	08/09/2024
Beryllium		1.0		48.4	50.00	0	96.7	49.88	3.07	08/09/2024
Boron		25.0		517	500.0	0	103.4	511.2	1.12	08/09/2024
Cadmium	*	1.0		51.7	50.00	0	103.3	52.14	0.89	08/09/2024
Chromium		1.5		202	200.0	0	100.9	198.9	1.40	08/09/2024
Cobalt		1.0		511	500.0	0	102.2	506.7	0.90	08/09/2024
Copper	*	1.0		231	250.0	0	92.5	235.9	1.98	08/09/2024
Lead		1.0		527	500.0	0	105.4	527.1	0.01	08/09/2024
Lithium	*	3.0		567	500.0	5.263	112.3	579.9	2.29	08/12/2024
Manganese		2.0		638	500.0	91.51	109.4	654.7	2.54	08/12/2024
Molybdenum		1.5		490	500.0	0	98.0	495.4	1.12	08/09/2024
Nickel		1.0		536	500.0	0	107.2	535.5	0.13	08/09/2024
Selenium		1.0		588	500.0	2.409	117.1	600.1	2.07	08/09/2024
Silver		1.0		48.9	50.00	0	97.7	49.64	1.59	08/09/2024
Thallium		2.0		262	250.0	0	104.8	261.7	0.11	08/09/2024
Vanadium		5.0		573	500.0	0	114.7	562.9	1.83	08/09/2024
Zinc		15.0		525	500.0	0	104.9	540.5	2.99	08/12/2024

Batch 226848		SampType: MBLK		Units µg/L							
SampID: MBLK-226848											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Copper		*	1.0		< 1.0	0.2980	0	0	-100	100	08/09/2024

Batch 226848		SampType: LCS		Units µg/L							
SampID: LCS-226848											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Copper	*	1.0		244	250.0	0	97.7	80	120	08/09/2024	



Quality Control Results

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Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226877 SampType: MBLK Units µg/L

SampleID: MBLK-226877

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	08/12/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	08/12/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/12/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/12/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/12/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/12/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/12/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/12/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/12/2024
Copper	*	1.0		< 1.0	0.2980	0	0	-100	100	08/12/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/12/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/12/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/12/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/12/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/12/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/12/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/12/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/12/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/12/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	08/12/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch	226877	SampType:	LCS	Units µg/L							
SampleID:		LCS-226877									Date
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed
Aluminum			25.0		1870	2000	0	93.3	80	120	08/12/2024
Antimony			1.0		511	500.0	0	102.1	80	120	08/12/2024
Arsenic			1.0		469	500.0	0	93.7	80	120	08/12/2024
Barium			1.0		1890	2000	0	94.5	80	120	08/12/2024
Beryllium			1.0		47.7	50.00	0	95.3	80	120	08/12/2024
Boron			25.0		467	500.0	0	93.3	80	120	08/12/2024
Cadmium	*		1.0		47.0	50.00	0	93.9	80	120	08/12/2024
Chromium			1.5		197	200.0	0	98.3	80	120	08/12/2024
Cobalt			1.0		469	500.0	0	93.8	80	120	08/12/2024
Copper	*		1.0		231	250.0	0	92.4	80	120	08/12/2024
Iron			25.0		1940	2000	0	97.1	80	120	08/12/2024
Lead			1.0		450	500.0	0	90.0	80	120	08/12/2024
Lithium	*		3.0		507	500.0	0	101.4	80	120	08/12/2024
Manganese			2.0		473	500.0	0	94.7	80	120	08/12/2024
Molybdenum			1.5		420	500.0	0	83.9	80	120	08/12/2024
Nickel			1.0		461	500.0	0	92.2	80	120	08/12/2024
Selenium			1.0		461	500.0	0	92.2	80	120	08/12/2024
Silver			1.0		51.0	50.00	0	101.9	80	120	08/12/2024
Thallium			2.0		209	250.0	0	83.4	80	120	08/12/2024
Vanadium			5.0		473	500.0	0	94.6	80	120	08/12/2024
Zinc			15.0		460	500.0	0	92.0	80	120	08/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226881 SampType: MBLK Units µg/L

SampleID: MBLK-226881

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	08/12/2024
Antimony		1.0	S	1.2	0.4500	0	261.1	-100	100	08/12/2024
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/12/2024
Barium		1.0		< 1.0	0.7000	0	0	-100	100	08/12/2024
Beryllium		1.0		< 1.0	0.2500	0	0	-100	100	08/12/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/12/2024
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100	08/12/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	08/12/2024
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/12/2024
Copper	*	1.0		< 1.0	0.2980	0	0	-100	100	08/12/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/12/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/12/2024
Lithium	*	3.0		< 3.0	1.450	0	0	-100	100	08/12/2024
Manganese		2.0		< 2.0	0.7500	0	0	-100	100	08/12/2024
Molybdenum		1.5		< 1.5	0.6000	0	0	-100	100	08/12/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	08/12/2024
Selenium		1.0		< 1.0	0.6000	0	0	-100	100	08/12/2024
Silver		1.0		< 1.0	0.1110	0	0	-100	100	08/12/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/12/2024
Vanadium		5.0	J	4.3	5.000	0	86.0	-100	100	08/12/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	08/12/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 226881		SampType: LCS		Units µg/L							Date Analyzed
SampID: LCS-226881											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		1840	2000	0	91.8	80	120	08/12/2024	
Antimony		1.0	B	510	500.0	0	101.9	80	120	08/12/2024	
Arsenic		1.0		468	500.0	0	93.6	80	120	08/12/2024	
Barium		1.0		1900	2000	0	95.0	80	120	08/12/2024	
Beryllium		1.0		48.8	50.00	0	97.6	80	120	08/12/2024	
Boron		25.0		515	500.0	0	103.0	80	120	08/12/2024	
Cadmium	*	1.0		48.2	50.00	0	96.3	80	120	08/12/2024	
Chromium		1.5		199	200.0	0	99.3	80	120	08/12/2024	
Cobalt		1.0		465	500.0	0	93.0	80	120	08/12/2024	
Copper	*	1.0		231	250.0	0	92.3	80	120	08/12/2024	
Iron		25.0		2030	2000	0	101.4	80	120	08/12/2024	
Lead		1.0		464	500.0	0	92.8	80	120	08/12/2024	
Lithium	*	3.0		518	500.0	0	103.6	80	120	08/12/2024	
Manganese		2.0		477	500.0	0	95.4	80	120	08/12/2024	
Molybdenum		1.5		412	500.0	0	82.5	80	120	08/12/2024	
Nickel		1.0		462	500.0	0	92.4	80	120	08/12/2024	
Selenium		1.0		469	500.0	0	93.8	80	120	08/12/2024	
Silver		1.0		49.3	50.00	0	98.7	80	120	08/12/2024	
Thallium		2.0		223	250.0	0	89.2	80	120	08/12/2024	
Vanadium		5.0	B	484	500.0	0	96.8	80	120	08/12/2024	
Zinc		15.0		464	500.0	0	92.8	80	120	08/12/2024	

Batch 226881		SampType: MS		Units µg/L							
SampID: 24071451-087BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		1.0		500	500.0	1.969	99.6	75	125	08/13/2024	

Batch 226881		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 24071451-087BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic			1.0		485	500.0	1.969	96.6	500.1	3.11	08/13/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 227725		SampType: MBLK		Units µg/L							Date	
SampID: MBLK-227725												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		09/04/2024	
Antimony		1.0	S	2.1	0.4500	0	463.4	-100	100		08/29/2024	
Antimony		1.0		< 1.0	0.4500	0	0	-100	100		08/30/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100		08/30/2024	
Cadmium	*	1.0		< 1.0	0.1340	0	0	-100	100		08/29/2024	
Chromium		1.5		< 1.5	0.7000	0	0	-100	100		08/29/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100		08/29/2024	
Copper	*	1.0		< 1.0	0.2980	0	0	-100	100		08/29/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100		08/30/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100		08/29/2024	
Manganese		2.0		< 2.0	0.7500	0	0	-100	100		08/29/2024	
Nickel		1.0		< 1.0	0.4300	0	0	-100	100		08/29/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100		08/30/2024	
Vanadium		5.0		< 5.0	5.000	0	0	-100	100		08/29/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100		08/29/2024	

Batch 227725		SampType: LCS		Units µg/L							
SampID: LCS-227725											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Aluminum		25.0		1950	2000	0	97.7	80	120	09/04/2024	
Antimony		1.0	B	560	500.0	0	112.0	80	120	08/29/2024	
Boron		25.0		569	500.0	0	113.8	80	120	08/30/2024	
Cadmium	*	1.0		47.1	50.00	0	94.2	80	120	08/29/2024	
Chromium		1.5		195	200.0	0	97.7	80	120	08/29/2024	
Cobalt		1.0		492	500.0	0	98.4	80	120	08/29/2024	
Copper	*	1.0		236	250.0	0	94.5	80	120	08/29/2024	
Iron		25.0		2140	2000	0	107.0	80	120	08/30/2024	
Lead		1.0		473	500.0	0	94.6	80	120	08/29/2024	
Manganese		2.0		536	500.0	0	107.1	80	120	08/29/2024	
Nickel		1.0		477	500.0	0	95.4	80	120	08/29/2024	
Thallium		2.0		271	250.0	0	108.4	80	120	08/30/2024	
Vanadium		5.0		499	500.0	0	99.8	80	120	08/29/2024	
Zinc		15.0		497	500.0	0	99.5	80	120	08/29/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 227726		SampType: MBLK		Units µg/L							
SampID: MBLK-227726											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		1.0		< 1.0	0.3750	0	0	-100	100	08/29/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/30/2024	
Boron		25.0		< 25.0	9.250	0	0	-100	100	09/04/2024	
Cobalt		1.0		< 1.0	0.1150	0	0	-100	100	08/29/2024	
Iron		25.0		< 25.0	11.50	0	0	-100	100	08/30/2024	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	08/29/2024	
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	08/30/2024	

Batch 227726		SampType: LCS		Units µg/L							
SampID: LCS-227726											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aluminum		25.0		2110	2000	0	105.5	80	120	09/03/2024	
Antimony		1.0		536	500.0	0	107.3	80	120	09/03/2024	
Arsenic		1.0		542	500.0	0	108.5	80	120	08/29/2024	
Boron		25.0		510	500.0	0	102.0	80	120	09/04/2024	
Cobalt		1.0		477	500.0	0	95.5	80	120	08/29/2024	
Iron		25.0		2050	2000	0	102.7	80	120	09/03/2024	
Lead		1.0		483	500.0	0	96.6	80	120	08/29/2024	
Thallium		2.0		222	250.0	0	88.7	80	120	09/03/2024	

Batch 227779		SampType: MBLK		Units µg/L							
SampID: MBLK-227779											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		1.0		< 1.0	0.6000	0	0	-100	100	09/03/2024	
Zinc		15.0		< 15.0	5.900	0	0	-100	100	09/03/2024	

Batch 227779		SampType: LCS		Units µg/L						
SampID: LCS-227779										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		1.0		529	500.0	0	105.7	80	120	09/03/2024
Zinc		15.0		507	500.0	0	101.5	80	120	09/03/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

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

Batch 227783 SampType: MBLK Units µg/L

SampID: MBLK-227783

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	09/03/2024
Antimony		1.0		< 1.0	0.4500	0	0	-100	100	09/05/2024
Antimony		1.0	S	1.0	0.4500	0	224.5	-100	100	09/03/2024
Boron		25.0		< 25.0	9.250	0	0	-100	100	08/30/2024
Chromium		1.5		< 1.5	0.7000	0	0	-100	100	09/03/2024
Copper	*	1.0		< 1.0	0.2980	0	0	-100	100	09/03/2024
Iron		25.0		< 25.0	11.50	0	0	-100	100	09/03/2024
Lead		1.0		< 1.0	0.6000	0	0	-100	100	09/03/2024
Nickel		1.0		< 1.0	0.4300	0	0	-100	100	09/03/2024
Thallium		2.0		< 2.0	0.9500	0	0	-100	100	09/03/2024
Vanadium		5.0		< 5.0	5.000	0	0	-100	100	09/03/2024
Zinc		15.0		< 15.0	5.900	0	0	-100	100	09/03/2024

Batch 227783 SampType: LCS Units µg/L

SampID: LCS-227783

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aluminum		25.0		2090	2000	0	104.6	80	120	09/03/2024
Antimony		1.0	B	508	500.0	0	101.6	80	120	09/03/2024
Boron		25.0		455	500.0	0	91.0	80	120	08/30/2024
Chromium		1.5		203	200.0	0	101.4	80	120	09/03/2024
Copper	*	1.0		252	250.0	0	100.9	80	120	09/03/2024
Iron		25.0		1970	2000	0	98.7	80	120	09/03/2024
Lead		1.0		499	500.0	0	99.8	80	120	09/03/2024
Nickel		1.0		500	500.0	0	100.0	80	120	09/03/2024
Thallium		2.0		242	250.0	0	96.7	80	120	09/03/2024
Vanadium		5.0		511	500.0	0	102.3	80	120	09/03/2024
Zinc		15.0		476	500.0	0	95.2	80	120	09/03/2024

SW-846 7470A (DISSOLVED)

Batch 226496 SampType: MS Units µg/L

SampID: 24071451-028DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.20		5.08	5.000	0	101.5	75	125	08/02/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 7470A (DISSOLVED)

Batch 226496		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-028DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.86	5.000	0	97.1	5.076	4.43	08/02/2024

Batch 226793		SampType: MS		Units µg/L							
SampID: 24080359-001CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.07	5.000	0	101.4	75	125	08/08/2024	

Batch 226793		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24080359-001CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.20		5.00	5.000	0	100.0	5.069	1.39	08/08/2024	

Batch 226812		SampType: MS		Units µg/L							
SampID: 24071451-009CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.90	5.000	0	98.0	75	125	08/08/2024	

Batch 226812		SampType: MSD		Units µg/L				RPD Limit 15			Date Analyzed
SampID: 24071451-009CMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury		0.20		5.02	5.000	0	100.3	4.901	2.32	08/08/2024	

Batch 226813		SampType: MS		Units µg/L							
SampID: 24071451-102DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.16	5.000	0	83.3	75	125	08/08/2024	

Batch 226813		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-102DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.15	5.000	0	83.1	4.164	0.27	08/08/2024

Batch 226964		SampType: MS		Units µg/L							
SampID: 24071451-100DMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.76	5.000	0	95.2	75	125	08/13/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 7470A (DISSOLVED)

Batch 226964		SampType: MSD		Units µg/L					RPD Limit 15		
SampID: 24071451-100DMSD											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Mercury			0.20		4.78	5.000	0	95.5	4.760	0.34	08/13/2024

SW-846 7470A (TOTAL)

Batch 226496		SampType: MBLK		Units µg/L							
SampleID: MBLK-226496											
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	08/02/2024

Batch 226496		SampType: LCS		Units µg/L							
SampleID: LCS-226496											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Mercury			0.20		5.32	5.000	0	106.5	85	115	
											08/02/2024

Batch 226496		SampType: MS		Units µg/L							
SampID: 24071451-048CMS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		4.99	5.000	0	99.8	75	125	08/02/2024

Batch	226496	SampType:	MSD	Units µg/L						RPD Limit 15		Date Analyzed	
SampID: 24071451-048CMSD													
Analyses			Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Mercury				0.20		5.07	5.000	0		101.4	4.992	1.52	08/02/2024

Batch 226518		SampType: MBLK		Units µg/L							
SampID: MBLK-226518											
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	08/02/2024	

Batch 226518		SampType: LCS		Units µg/L							
SampID: LCS-226518											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.75	5.000	0	95.0	85	115	08/02/2024	



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226541		SampType: MS		Units µg/L							Date
SampID: 24071451-046CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.52	5.000	0	110.4	75	125	08/05/2024	

Batch 226541		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-046CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.43	5.000	0	108.7	5.522	1.63	08/05/2024

Batch 226541		SampType: MS		Units µg/L							Date
SampID: 24071451-072BMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.34	5.000	0	106.9	75	125	08/05/2024	

Batch 226541		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-072BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.28	5.000	0	105.7	5.344	1.14	08/05/2024

Batch 226645		SampType: MBLK		Units µg/L							Date
SampID: MBLK-226645											Analyzed
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	08/06/2024	

Batch 226645		SampType: LCS		Units µg/L							Date
SampID: LCS-226645											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		4.78	5.000	0	95.6	85	115	08/06/2024	

Batch 226645		SampType: MS		Units µg/L							Date
SampID: 24071451-054CMS											Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20	S	1.41	5.000	0	28.1	75	125	08/06/2024	

Batch 226645		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-054CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20	S	1.22	5.000	0	24.4	1.406	14.03	08/06/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226758		SampType: MBLK		Units µg/L							
SampID: MBLK-226758											
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	08/07/2024	

Batch 226758		SampType: LCS		Units µg/L							
SampID: LCS-226758											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
Mercury		0.20		4.97	5.000	0	99.4	85	115	08/07/2024	

Batch 226758		SampType: MS		Units µg/L							
SampID: 24071451-073BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.45	5.000	0	88.9	75	125	08/07/2024	

Batch 226758		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-073BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.32	5.000	0	86.5	4.445	2.77	08/07/2024

Batch 226762		SampType: MBLK		Units µg/L							
SampID: MBLK-226762											
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	08/07/2024	

Batch 226762		SampType: LCS		Units µg/L							
SampID: LCS-226762											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.43	5.000	0	88.7	85	115	08/07/2024	

Batch 226762		SampType: MS		Units µg/L							
SampID: 24071451-025CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.20	5.000	0	104.1	75	125	08/08/2024	

Batch 226762		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-025CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.17	5.000	0	103.4	5.203	0.64	08/08/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226762		SampType: MS		Units µg/L							
SampleID: 24071451-034CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.38	5.000	0	107.5	75	125	08/08/2024	

Batch 226762		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-034CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.43	5.000	0	108.6	5.376	0.98	08/08/2024

Batch 226776		SampType: MBLK		Units µg/L							
SampID: MBLK-226776											
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	08/08/2024	

Batch 226776		SampType: LCS		Units µg/L							
SampleID: LCS-226776											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury			0.20		5.31	5.000	0	106.2	85	115	08/08/2024

Batch 226776		SampType: MS		Units µg/L							
SampID: 24071451-036CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.13	5.000	0	102.6	75	125	08/08/2024	

Batch 226776		SampType: MSD		Units µg/L				RPD Limit 15			
SampleID: 24071451-036CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.25	5.000	0	105.1	5.132	2.33	08/08/2024

Batch 226776		SampType: MS		Units µg/L							
SampID: 24071451-067BMS											
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	08/08/2024	

Batch 226776		SampType: MSD		Units µg/L				RPD Limit 15			
SampleID: 24071451-067BMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.84	5.000	0	96.7	4.879	0.87	08/08/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226793		SampType: MBLK		Units µg/L							
SampID: MBLK-226793											
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	08/08/2024	

Batch 226793		SampType: LCS		Units µg/L							
SampID: LCS-226793											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.14	5.000	0	102.8	85	115	08/08/2024	

Batch 226793		SampType: MS		Units µg/L							
SampID: 24071451-008CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.25	5.000	0	105.1	75	125	08/08/2024	

Batch 226793		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-008CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.14	5.000	0	102.7	5.253	2.23	08/08/2024

Batch 226812		SampType: MBLK		Units µg/L							
SampID: MBLK-226812											
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	08/08/2024	

Batch 226812		SampType: LCS		Units µg/L							
SampID: LCS-226812											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.77	5.000	0	95.4	85	115	08/08/2024	

Batch 226812		SampType: MS		Units µg/L							
SampID: 24071451-088CMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		4.95	5.000	0	98.9	75	125	08/08/2024	

Batch 226812		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-088CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		4.88	5.000	0	97.7	4.946	1.26	08/08/2024



Quality Control Results

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

SW-846 7470A (TOTAL)

Batch 226813		SampType: MBLK		Units µg/L							
SampID: MBLK-226813											
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	08/08/2024	

Batch 226884		SampType: MBLK		Units µg/L							
SampID: MBLK-226884											
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	08/12/2024	

Batch 226884		SampType: LCS		Units µg/L							
SampID: LCS-226884											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.44	5.000	0	108.8	85	115	08/12/2024	

Batch 226884		SampType: MS		Units µg/L							
SampID: 24071451-044CMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.20		5.58	5.000	0	111.6	75	125	08/13/2024	

Batch 226884		SampType: MSD		Units µg/L				RPD Limit 15			
SampID: 24071451-044CMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury			0.20		5.44	5.000	0	108.8	5.580	2.52	08/13/2024

Batch 226964		SampType: MBLK		Units µg/L							
SampID: MBLK-226964											
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	08/12/2024	

Batch 226964		SampType: LCS		Units µg/L							
SampID: LCS-226964											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.20		5.51	5.000	0	110.2	85	115	08/12/2024	



Receiving Check List

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

Carrier: Daniel Crump

Received By: AMD

Completed by:

On:

30-Jul-24

Amber Dilallo

Reviewed by:

On:

12-Aug-24

Ellie Hopkins

Pages to follow:

Chain of custody

31

Extra pages included

0

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.9
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 7/30/24 at 1615 on ice/blue ice [5.9C - LTG#5]. Additional Nitric Acid (98584) was needed upon arrival at the laboratory for G277. pH strip #89660/96651. - amberdilallo - 7/30/2024 4:58:45 PM

Samples were received on 7/31/24 at 16:30 on ice [15.9C - LTG#5]. - pschultz - 8/1/2024 8:09:51 AM

pH strip #96651/89660. - pschultz - 8/1/2024 8:10:48 AM

Additional Nitric Acid (98584) preservative was needed for G219, G303, G313, G314, G314D, and G316 upon arrival at the laboratory. - pschultz - 8/1/2024 8:10:56 AM

Additional Sodium Hydroxide (95443) preservative was needed for G278 upon arrival at the laboratory. - pschultz - 8/1/2024 8:10:58 AM

Sample G278 was filtered for the dissolved parameters upon arrival at the laboratory. Unable to dissolve for the metals analyses because the container was already preserved. - pschultz - 8/1/2024 8:11:02 AM

Samples were received on 8/1/24 at 1558 on ice [14.3C - LTG#5]. pH strip #89660/96651. Additional Sodium Hydroxide (95443) was needed upon arrival at the laboratory for G153. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G402, G403 and G407. - amberdilallo - 8/1/2024 4:41:25 PM

Samples were received on 8/2/24 at 1310 on ice [11.3C - LTG#5]. Additional Sodium Hydroxide (95443) was needed upon arrival at the laboratory. pH strip #89660/96651. - amberdilallo - 8/2/2024 1:49:30 PM

Samples were received on 8/5/24 at 1708 on ice [18.5C - LTG#5]. Additional Sodium Hydroxide (95443) was needed upon arrival at the laboratory for G125. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G312. pH strip #89660/96651. - amberdilallo - 8/6/2024 8:40:05 AM



Receiving Check List

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

Client: Ramboll

Work Order: 24071451

Client Project: COF-24Q3

Report Date: 13-Sep-24

Samples were received on 8/6/24 at 1500 on ice [8.7C - LTG#5]. pH strip #89660/96651. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - amberdilallo - 8/6/2024 3:45:00 PM

Samples were received on 8/7/24 at 1727 on ice [14.4C - LTG#5]. pH strip #89660/96651. Preservation checks for O&G analysis are to be completed by the laboratory technician prior to analysis. - amberdilallo - 8/8/2024 8:33:37 AM

Additional nitric acid (99472) was needed in G28S, L201, L202 and L203 upon arrival at the laboratory. - NO/ehopkins - 8/8/2024 8:48:50 AM

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Added HNO₃ (98584) to
G277 total. pH ✓ 9.6651/89660
am 7/30/24

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24071451-101

Page: 4 of 7

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Vendor Matrix Codes		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)																									
		DRINKING WATER	CW			WT	WW			P	SL	OL	WL	WP	AR	OTHER	Unpreserved		H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103				COF-845-104	COF-NE-103	COF-SLP-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						6	2	1	2		1							X																	24071451-049						
2	G275D	WT	G						2	1		1																									24071451-050							
3	G276	WT	G						6	2	1	2		1							X																24071451-051							
4	G277	WT	G			7-30		1239	6	2	1	2		1							X																24071451-052							
5	G278	WT	G						6	2	1	2		1																							24071451-053							
6	G279	WT	G			7-30		1056	6	2	1	2		1																							24071451-054							
7	G280	WT	G			7-30		1150	6	2	1	2		1							X																24071451-055							
8	G281	WT	G			7-30		1013	4	1		2		1						X	X																24071451-056							
9	G283	WT	G						2	1		1																									24071451-057							
10	G284	WT	G						2	1		1																									24071451-058							
11	G285	WT	G						2	1		1																									24071451-059							
12	G301	WT	G						2	1		1									X																24071451-060							
13	G302	WT	G						2	1		1									X																24071451-061							
14	G303	WT	G						2	1		1									X																24071451-062							
15	G305	WT	G						2	1		1									X																24071451-063							
16	G306	WT	G						2	1		1									X																24071451-064							
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																										
COF-24Q3 Rev 0		JF SD																																										

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Closely Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-30-24				

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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 Cold					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-31-74				

Added NaOH (95443) to G278 PS 811

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SAMPLER NAME AND SIGNATURE				Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole							
SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM/DD/YY): 7-31-24					

Z4U71431-101

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 Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-31-24				

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Page: 2 of 7

Added NADH(95443) to G153

DATE Signed (MM/DD/YY): 8-1-74

Temp in °C

received on

Custody Sealed Cooler (Y/N)	

Samples	contact (Y/N)
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ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SGL/SOLID SL OIL OL WPE WP AIR AP OTHER	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test#	Y/N	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other			COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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																X			24071451-033				
2	G211	WT	G						6	2	1	2		1																X			24071451-034				
3	G212	WT	G						6	2	1	2		1																X			24071451-035				
4	G213	WT	G						6	2	1	2		1																X			24071451-036				
5	G214	WT	G						6	2	1	2		1																X			24071451-037				
6	G215	WT	G						6	2	1	2		1																X			24071451-038				
7	G216	WT	G						6	2	1	2		1																X			24071451-039				
8	G217	WT	G						6	2	1	2		1																X			24071451-040				
9	G218	WT	G						6	2	1	2		1																X			24071451-041				
10	G219	WT	G						3	1		2																			X			24071451-042			
11	G220	WT	G						3	1		2																			X			24071451-043			
12	G270	WT	G						6	2	1	2		1																X	X			24071451-044			
13	G271	WT	G						6	2	1	2		1																	X			24071451-045			
14	G272	WT	G						6	2	1	2		1																	X			24071451-046			
15	G273	WT	G						6	2	1	2		1																	X			24071451-047			
16	G274	WT	G						6	2	1	2		1																	X			24071451-048			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																							
COF-24Q3 Rev 0				8-1		1558				8/1/24		1558		> z																							

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

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information: Company: <u>Visira Corp-Coffeen</u> Address: <u>134 CIPS Lane</u> <u>Coffeen, IL 62017</u> Email To: <u>Brian Voelker@VisiraCorp.com</u> Phone: <u>(217) 753-8911</u> Fax: _____ Requested Due Date/TAT: <u>10 day</u>		Section B Required Project Information: Report To: <u>Brian Voelker</u> Copy To: <u>Sam Davies: samantha.davies@vistracorp.com</u> <u>John Romang: John.Romang@vistracorp.com</u> <u>Rich Speraneo: Rich.Speraneo@vistracorp.com</u> Purchase Order No.: _____ Project Name: <u>COF 2024 GW</u> Project Number: <u>1940106781-003</u>		Section C Invoice Information: Attention: <u>Brian Voelker</u> Company Name: <u>Visira Corp</u> Address: <u>see Section A</u> Quote Reference: _____ Project Manager: _____ Profile #: _____		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: <u>IL</u> STATE: _____	

ITEM #	Section D Required Client Information	MATRIX CODES DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOL/SOLID P SL OIL OL WPE WP AR OTHER AR	MATRIX CODE (see valid codes to ask)	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	Analysis Test	COF-257-101		COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)		
1	G275	WT	G	8-1	1228	6	2	1	2	1																								24071451-049		
2	G275D	WT	G	8-1	1214	2	1		1																									24071451-050		
3	G276	WT	G			6	2	1	2	1																								24071451-051		
4	G277	WT	G			6	2	1	2	1																								24071451-052		
5	G278	WT	G			6	2	1	2	1																								24071451-053		
6	G279	WT	G			6	2	1	2	1																								24071451-054		
7	G280	WT	G			6	2	1	2	1																								24071451-055		
8	G281	WT	G			4	1		2	1																								24071451-056		
9	G283	WT	G			2	1		1																									24071451-057		
10	G284	WT	G			2	1		1																									24071451-058		
11	G285	WT	G			2	1		1																									24071451-059		
12	G301	WT	G			2	1		1																									24071451-060		
13	G302	WT	G			2	1		1																									24071451-061		
14	G303	WT	G			2	1		1																									24071451-062		
15	G305	WT	G	8-1-24	1028	2	1		1																									24071451-063		
16	G306	WT	G	8-1-24	944	2	1		1																									24071451-064		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION						DATE		TIME		SAMPLE CONDITIONS																
COF-24Q3 Rev 0			Bart J.			8-1		1558		[Signature]						8/1/24		1558		y z																

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0		Brett G. [Signature]		8-1	1558	[Signature]		8/1/24	1558				
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: <u>Brett G. [Signature]</u> SIGNATURE of SAMPLER: <u>[Signature]</u>										DATE Signed (MM/DD/YY): <u>8-1-24</u>			
Temp in °C										Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)			

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ITEM #	Section D Required Client Information	MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL Sample IDs (A-Z, 0-9 / -) MUST BE UNIQUE WPE WP AIR WP OTHER AR	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_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_8$	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106		Residual Chlorine (Y/N)	
1	G307	WT	G	8.1.24	1213		2	1								X																		24071451-065	
2	G307D	WT	G	8.1.24	1141		2	1								X																		24071451-066	
3	G308	WT	G	8.1.24	1251		2	1								X																		24071451-067	
4	G310	WT	G	8.1.24	1347		2	1								X																		24071451-068	
5	G312	WT	G				2	1								X																			24071451-069
6	G313	WT	G				2	1								X																			24071451-070
7	G314	WT	G				2	1								X																			24071451-071
8	G314D	WT	G				2	1								X																			24071451-072
9	G315	WT	G				2	1								X																			24071451-073
10	G316	WT	G				2	1								X																			24071451-074
11	G401	WT	G				4	1			2		1				X				X														24071451-075
12	G402	WT	G	8-1	1916		4	1			2		1			X				X															24071451-076
13	G403	WT	G	8-1	0916		4	1			2		1			X				X															24071451-077
14	G404	WT	G				4	1			2		1			X				X															24071451-078
15	G405	WT	G				4	1			2		1			X				X															24071451-079
16	G406	WT	G	8-1	1000		4	1			2		1			X				X															24071451-080
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS																									
COF-24Q3 Rev 0		[Signature]		8-1	1557	[Signature]		8/1/24	1557	> z																									

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on (ice (Y/N))	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cold					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-1-74				

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 7

Section A Required Client Information: Company: Vistra Corp-Coffeen Address: 134 CIPS Lane Coffeen, IL 62017 Email To: brian.voelker@vistracorp.com Phone: (217) 753-8911 Fax: Requested Due Date/TAT: 10 day		Section B Required Project Information: Report To: Brian Voelker Copy To: Sam Davies: samantha.davies@vistracorp.com John Romang: John.Romang@vistracorp.com 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 #: 		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE: 	

ITEM #	Section D Required Client Information	MATRIX	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: USM Corp SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM/DD/YY): 8-2-24	Temp in °C: 11.3 Received on Ice (Y/N): X Custody Sealed Cooler (Y/N): X Samples Intact (Y/N): X

PH 96651/89660
added NaOH(95443)
to G401

UH 8/2/24

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ITEM #	Section D Required Client Information	MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOIL SL OL HPE QL AIR WP OTHER AR	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 I Analysis Test ↓	Requested Analysis Filtered (Y/N)																	
					DATE	TIME					Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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	1					X															24071451-065					
2	G307D	WT	G							2	1					X															24071451-066					
3	G308	WT	G							2	1					X															24071451-067					
4	G310	WT	G							2	1					X															24071451-068					
5	G312	WT	G							2	1					X															24071451-069					
6	G313	WT	G							2	1					X															24071451-070					
7	G314	WT	G							2	1					X															24071451-071					
8	G314D	WT	G							2	1					X															24071451-072					
9	G315	WT	G							2	1					X															24071451-073					
10	G316	WT	G							2	1					X															24071451-074					
11	G401	WT	G	8-2	0924					4	1		2	1			X				X				X						24071451-075					
12	G402	WT	G							4	1		2	1			X				X				X						24071451-076					
13	G403	WT	G							4	1		2	1			X				X				X						24071451-077					
14	G404	WT	G							4	1		2	1			X				X				X						24071451-078					
15	G405	WT	G							4	1		2	1			X				X				X						24071451-079					
16	G406	WT	G							4	1		2	1			X				X				X						24071451-080					
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																				
COF-24Q3 Rev 0		J. Colp			8-2		1300		Zett			8/2/24		1310		> 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 Cip					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-2-24				

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 Coffeen, IL 62017		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Email To: Brian.Voelker@VistraCorp.com		John Romang: John.Romang@vistracorp.com 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: 1940108781-003		Profile #:			

ITEM #	Section D Required Client Information	MATRIX	DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOLID P SOLID SL OIL OL WPE WP AIR AR OTHER	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
						DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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		Analysis Test ↓																																			
1	G407	WT	G						4	1	2	1								X															24071451-081		
2	G410	WT	G	8-2-24	0912				4	1	2	1																							24071451-082		
3	G411	WT	G	8-2-24	1002				4	1	2	1																							24071451-083		
4	L201	WT	G						2	1	1																								24071451-084		
5	L202	WT	G						2	1	1																								24071451-085		
6	L203	WT	G						2	1	1																								24071451-086		
7	NE Riser	WT	G						2	1	1																								24071451-087		
8	R104	WT	G						7	2	2	2	1																						24071451-088		
9	R201	WT	G						6	2	1	2	1																						24071451-089		
10	R205	WT	G						6	2	1	2	1																						24071451-090		
11	SG-02	WT	G						0											X	X														24071451-091		
12	SG-03	WT	G						0											X	X														24071451-092		
13	T127	WT	G						6	2	1	2	1																						24071451-093		
14	T128	WT	G						5	2	1	1	1																						24071451-094		
15	X201	WT	G						2	1	1																								24071451-095		
16	XSG-01	WT	G						0											X															24071451-096		
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																	
COF-24Q3 Rev 0				J-GP				8-2		1310		L-H				8/2/24		1310		> z																	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]					
DATE Signed (MM/DD/YY): 8-2-24					

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Page: 1 of 7

18.5	Temp in °C	Received on ice (Y/N)
UTG5		

on ice

Added NaOH (95443) to
G125. Added HNO₃ (99172) to G312.
pH √ 896660/966651. Gm
8/6/24

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Page: 2 of 7

ITEM #	Section D Required Client Information	SAMPLE ID (A-Z, 0-9, -) Sample IDs MUST BE UNIQUE	Matrix Code		DATE	TIME	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)																Project No / Lab I.D.		
			MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)				COLLECTED		Unpreserved	H_2SO_4	HNO_3	HCl	$NaOH$	$Na_2S_2O_8$		Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104		COF-WPCP-106	Residual Chlorine (Y/N)
1	G122	WT G	8-5	1313	5	2	1	1	1					X																			24071451-017		
2	G123	WT G	8-5	1358	5	2	1	1	1					X																			24071451-018		
3	G124	WT G	8-5	1470	5	2	1	1	1					X																			24071451-019		
4	G125	WT G	8-5	1045	5	2	1	2	1					X	X																		24071451-020		
5	G126	WT G	8-5	1045	5	2	1	1	1					X																			24071451-021		
6	G151	WT G	8/5/24	1516	4	2	1	1	1																						X		24071451-022		
7	G152	WT G	8/5/24	1516	4	2	1	1	1																					X			24071451-023		
8	G153	WT G			4	2	1	1	1																					X			24071451-024		
9	G154	WT G			4	2	2	1	1																	X			X				24071451-025		
10	G155	WT G			4	2	1	1	1																				X				24071451-026		
11	G200	WT G			5	2	1	2	1						X					X								X					24071451-027		
12	G206	WT G			5	2	1	2	1						X					X								X					24071451-028		
13	G206D	WT G			2	1	1	1	1						X					X													24071451-029		
14	G207	WT G			5	2	1	2	1																			X					24071451-030		
15	G208	WT G			5	2	1	2	1																			X					24071451-031		
16	G209	WT G			5	2	1	2	1						X					X								X					24071451-032		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q3 Rev 0			[Signature]		8-5		1708		[Signature]				8/5/24		1708		> z																		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cop					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 6-5-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker	
Address: 134 CIPS Lane Coffeen, IL 62017		Copy To: Sam Davies: samantha.davies@vistracorp.com John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@vistracorp.com		Company Name: Vistra Corp 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	IL	
STATE:		

ITEM #	Section D Required Client Information	Matrix	Matrix Code (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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		DRIPPING WATER DW	WATER WT	WASTE WATER WW	PRODUCT P	SOLGOLD SL	OK OL	WPE WP	AIR AP	OTHER																												
1		G275	WT	G				6	2	1	2	1																							24071451-049			
2		G275D	WT	G				2	1		1																								24071451-050			
3		G276	WT	G				6	2	1	2	1																							24071451-051			
4		G277	WT	G				6	2	1	2	1																							24071451-052			
5		G278	WT	G				6	2	1	2	1																							24071451-053			
6		G279	WT	G				6	2	1	2	1																							24071451-054			
7		G280	WT	G				6	2	1	2	1																							24071451-055			
8		G281	WT	G				4	1		2	1																							24071451-056			
9		G283	WT	G				2	1		1																								24071451-057			
10		G284	WT	G				2	1		1																								24071451-058			
11		G285	WT	G				2	1		1																								24071451-059			
12		G301	WT	G				2	1		1																								24071451-060			
13		G302	WT	G				2	1		1																								24071451-061			
14		G303	WT	G				2	1		1																								24071451-062			
15		G305	WT	G				2	1		1																								24071451-063			
16		G306	WT	G				2	1		1																								24071451-064			
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																								
COF-24Q3 Rev 0		[Signature]		8/5/24		1708		[Signature]		8/5/24		1708		Y N																								

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carrel					
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YY): 8/5/24					

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ITEM #	Section D Required Client Information		MATRIX	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					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	$NaOH$	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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															24071451-065		
2	G307D			WT	G				2	1	1									X														24071451-066			
3	G308			WT	G				2	1	1									X														24071451-067			
4	G310			WT	G				2	1	1									X														24071451-068			
5	G312			WT	G	S/S	12SS		2	1	1									X														24071451-069			
6	G313			WT	G				2	1	1									X														24071451-070			
7	G314			WT	G				2	1	1									X														24071451-071			
8	G314D			WT	G				2	1	1									X														24071451-072			
9	G315			WT	G				2	1	1									X														24071451-073			
10	G316			WT	G				2	1	1									X														24071451-074			
11	G401			WT	G				4	1	2	1								X							X							24071451-075			
12	G402			WT	G				4	1	2	1								X							X							24071451-076			
13	G403			WT	G				4	1	2	1								X							X							24071451-077			
14	G404			WT	G				4	1	2	1								X							X							24071451-078			
15	G405			WT	G				4	1	2	1								X							X							24071451-079			
16	G406			WT	G				4	1	2	1								X							X							24071451-080			
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q3 Rev 0			[Signature]				8/5/24		1708		[Signature]				8/5/24		1708		> 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: Tracy Carver					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8/5/24				

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[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-5-24				

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Section C
Invoice Information:

Page: 7 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		REGULATORY AGENCY			
Coffeen, IL 62017		John Romang: John.Romang@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 Container (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8/5/24				

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PHV 89660 / 96057 ☐
UMD 8/6/24

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 Cip					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-6-74				

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Page: 2 of 7

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

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-6-24				

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[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 Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8.16.24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 7

Section A Required Client Information: Company: Vistra Corp-Coffeen Address: 134 CIPS Lane Coffeen, IL 62017 Email To: Brian.Voelker@VistraCorp.com Phone: (217) 753-8911 Fax: Requested Due Date/TAT: 10 day		Section B Required Project Information: Report To: Brian Voelker Copy To: Sam Davies: samantha.davies@vistracorp.com John Romang: John.Romang@vistracorp.com 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 #:		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location IL STATE:		

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	Matrix DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOLSOLID P OL SL WPE WP AIR AP OTHER AR	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N Analysis Test ↓	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)			
1	G407	WT	G				4	1	2	1									X															24071451-081		
2	G410	WT	G				4	1	2	1																X								24071451-082		
3	G411	WT	G				4	1	2	1																X								24071451-083		
4	L201	WT	G				2	1	1																									24071451-084		
5	L202	WT	G				2	1	1																									24071451-085		
6	L203	WT	G				2	1	1																									24071451-086		
7	NE Riser	WT	G				2	1	1																									24071451-087		
8	R104	WT	G			8-6	7	2	2	2	1																							24071451-088		
9	R201	WT	G			8-6	6	2	1	2	1																							24071451-089		
10	R205	WT	G			8-6-24	6	2	1	2	1																							24071451-090		
11	SG-02	WT	G				0												X	X														24071451-091		
12	SG-03	WT	G				0												X	X														24071451-092		
13	T127	WT	G				8	2	1	2	1																							24071451-093		
14	T128	WT	G				5	2	1	1	1																							24071451-094		
15	X201	WT	G				2	1	1																									24071451-095		
16	XSG-01	WT	G				0												X															24071451-096		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																						
COF-24Q3 Rev 0		SJS		8-6		1500		[Signature]		8/6/24		1500																								

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): 8-6-24					

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: Company: Vistra Corp-Coffeen Address: 134 CIPS Lane Coffeen, IL 62017 Email To: Brian.Voelker@VistraCorp.com Phone: (217) 753-8911 Requested Due Date/TAT: 10 day		Section B Required Project Information: Report To: Brian Voelker Copy To: Sam Davies: samantha.davies@vistracorp.com John Romang: John.Romang@vistracorp.com 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 #:		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER Site Location: IL STATE:	

ITEM #	Section 0 Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOLID/SOLID SL OIL OL WPE WP AIR AP OTHER AR	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										[Analysis Test]	Requested Analysis Filtered (Y/N)																Project No./ Lab I.D.
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102		COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)			
1	Field Blank	WT	G					7	2	2	2	2	1					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24071451-097			
2	G102 Duplicate	WT	G	8-6	0913			7	2	2	2	2	1																				24071451-098			
3	G200 Duplicate	WT	G	8-6	1216			6	2	1	2		1						X														24071451-099			
4	G217 Duplicate	WT	G	8-6-24	939			6	2	1	2		1						X														24071451-100			
5	G301 Duplicate	WT	G					2	1		1							X															24071451-101			
6	R201 Duplicate	WT	G	8-6	1304			6	2	1	2		1						X														24071451-102			
7	Equipment Blank 1	WT	G					7	2	2	2		1					X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071451-103			
8																																				
9																																				
10																																				
11																																				
12																																				
13																																				
14																																				
15																																				
16																																				

ADDITIONAL COMMENTS COF-24Q3 Rev 0		RELINQUISHED BY / AFFILIATION SS SS		DATE 8-6	TIME 1500	ACCEPTED BY / AFFILIATION [Signature]		DATE 8/6/24	TIME 1500	SAMPLE CONDITIONS											
SAMPLER NAME AND SIGNATURE						Temp in °C				Received on Ice (Y/N)				Custody Sealed Cooler (Y/N)				Samples Intact (Y/N)			
PRINT Name of SAMPLER: Justin Colp						DATE Signed (MM/DD/YYYY): 8-6-24															
SIGNATURE of SAMPLER: [Signature]																					

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

Page: 1 of 7

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

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8.7.24				

Added AN03 to G285, L201, L202, L203, (99A-72)

Mo 8/8

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

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ITEM #	Section B Required Client Information	Matrix		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)														Residual Chlorine (Y/N)	Project No./ Lab I.D.										
		SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102			COF-WPCP-103-104	COF-WPCP-106								
																																				DIV	WT	WW	P	SC	CL	WP	AR
1		G122	WT	G					5	2	1	1	1						X													24071451-017											
2		G123	WT	G	8.7.24	1532			5	2	1	1	1					X														24071451-018											
3		G124	WT	G					5	2	1	1	1					X														24071451-019											
4		G125	WT	G					6	2	1	2	1					X	X													24071451-020											
5		G126	WT	G					5	2	1	1	1					X														24071451-021											
6		G151	WT	G					4	2		1	1																X			24071451-022											
7		G152	WT	G					4	2		1	1																X			24071451-023											
8		G153	WT	G					4	2		1	1																X			24071451-024											
9		G154	WT	G					4	2		2	1												X			X				24071451-025											
10		G155	WT	G					4	2		1	1															X				24071451-026											
11		G200	WT	G					6	2	1	2	1				X											X				24071451-027											
12		G206	WT	G					6	2	1	2	1				X				X							X				24071451-028											
13		G206D	WT	G					2	1		1					X				X											24071451-029											
14		G207	WT	G					6	2	1	2	1															X				24071451-030											
15		G208	WT	G					6	2	1	2	1															X				24071451-031											
16		G209	WT	G					6	2	1	2	1				X				X																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0	Tracy Carroll	8.7.24	1727	Shirley D'Salle	8/7/24	1727		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: Tracy Carroll										
SIGNATURE of SAMPLER: Tracy Carroll					DATE Signed (MM/DD/YY): 8/7.24					

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

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: Tracy Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8.7.24				

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:			
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker			
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp			
Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com		Address: see Section A			
Email To: brian.voelker@vistracorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/YAT: 10 day		Project Number: 1940106781-003		Profile #:			
						REGULATORY AGENCY	
						NPDES GROUND WATER DRINKING WATER	
						UST RCRA OTHER	
						Site Location	
						STATE: IL	

Section D Required Client Information		MATRIX		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)		Project No./ Lab I.D.																							
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	Analysis Test	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SJP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
1	G275	WT	G				6	2	1	2		1							X						X								24071451-049
2	G2750	WT	G				2	1		1									X						X								24071451-050
3	G276	WT	G				6	2	1	2		1							X						X								24071451-051
4	G277	WT	G				6	2	1	2		1							X						X								24071451-052
5	G278	WT	G				6	2	1	2		1																	X				24071451-053
6	G279	WT	G				6	2	1	2		1							X									X	X				24071451-054
7	G280	WT	G				6	2	1	2		1						X	X				X	X				X	X				24071451-055
8	G281	WT	G				4	1		2		1					X	X				X	X					X					24071451-056
9	G283	WT	G	8-7-24	1352		2	1		1									X						X								24071451-057
10	G284	WT	G	8-7-24	1125		2	1		1									X						X								24071451-058
11	G285	WT	G	8-7-24	1203		2	1		1									X						X								24071451-059
12	G301	WT	G				2	1		1							X						X										24071451-060
13	G302	WT	G				2	1		1							X						X										24071451-061
14	G303	WT	G				2	1		1							X						X										24071451-062
15	G305	WT	G				2	1		1							X						X										24071451-063
16	G306	WT	G				2	1		1							X						X										24071451-064
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS													
COF-24Q3 Rev 0				John Farrell				8-7-24		1727		Smol. Details				8/7/24		1727															

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER: Tracy Carroll			
SIGNATURE of SAMPLER: John Farrell		DATE Signed (MM/DD/YY): 8-7-24	
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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

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[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 Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-7-24				

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

Page: 7 of 7

ITEM #	Section D Required Client Information	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_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_8$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-WPCP-102	COF-WPCP-103-104	COF-WPCP-106	Residual Chlorine (Y/N)	
1	Field Blank	WT	G	8-7-24	14 49		7	2	2	2	1				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	24071451-097		
2	G102 Duplicate	WT	G				7	2	2	2	1																				24071451-098		
3	G200 Duplicate	WT	G				6	2	1	2	1																				24071451-099		
4	G217 Duplicate	WT	G				6	2	1	2	1																				24071451-100		
5	G301 Duplicate	WT	G				2	1	1						X																24071451-101		
6	R201 Duplicate	WT	G				6	2	1	2	1					X															24071451-102		
7	Equipment Blank 1	WT	G				7	2	2	2	1				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		24071451-103		
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0	[Signature]	8/7/24	1727	[Signature]	8/7/24	1727	> 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: Tracy Carroll					
SIGNATURE of SAMPLER: <i>Tracy Carroll</i> DATE Signed (MM/DD/YY): 8.7.27					

September 12, 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-24Q3

WorkOrder: 24071452

Dear Eric Bauer:

TEKLAB, INC received 61 samples on 8/7/2024 5:27:00 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: 24071452

Client Project: COF-24Q3

Report Date: 12-Sep-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	67
Receiving Check List	69
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>**Client:** Ramboll**Work Order:** 24071452**Client Project:** COF-24Q3**Report Date:** 12-Sep-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: 24071452

Client Project: COF-24Q3

Report Date: 12-Sep-24

Qualifiers

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



Case Narrative

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Cooler Receipt Temp: 5.9 °C

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

G1003 could not be collected; the well was dry. Equipment Blank 1 was not needed. EAH 8/12/24

Collection dates/times per field file where differing from the chain of custody. EAH 9/9/24

Ra226/228 analyses were performed by Eurofins St. Louis. See attached report for results and QC.

This report was revised on September 12, 2024 per Eric Bauer's request. The reason for the revision is to correct collection times for G212, G206, and G275 in the Teklab and Eurofins St. Louis reports. Please replace report dated September 9, 2024 with this report. EAH 9/12/24

Locations

Collinsville

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

Collinsville Air

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

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

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

Kansas City

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



Accreditations

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

Client: Ramboll

Work Order: 24071452

Client Project: COF-24Q3

Report Date: 12-Sep-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 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-001
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G1001

Collection Date: 08/02/2024 10:26

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/22/2024 12:04	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-003
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G151

Collection Date: 08/01/2024 11:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/22/2024 12:04	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-004
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G152
Collection Date: 08/05/2024 15:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/22/2024 12:04	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-005

Client Sample ID: G153

Matrix: GROUNDWATER

Collection Date: 08/01/2024 13:55

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/22/2024 12:04	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-006
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G154
Collection Date: 08/01/2024 13:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/22/2024 12:05	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-007

Client Sample ID: G155

Matrix: GROUNDWATER

Collection Date: 08/01/2024 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	08/22/2024 12:04	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-008
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G200
Collection Date: 08/06/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:05	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-009
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G206
Collection Date: 07/30/2024 13:36

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:05	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-010
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G206D
Collection Date: 07/30/2024 13:06

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:05	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-011
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G209
Collection Date: 07/30/2024 11:09

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:05	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-012
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G212

Collection Date: 08/01/2024 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	08/26/2024 12:06	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-013

Client Sample ID: G213

Matrix: GROUNDWATER

Collection Date: 08/01/2024 11:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:06	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-014
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G215

Collection Date: 08/06/2024 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	08/26/2024 12:07	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-015
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G217
Collection Date: 08/06/2024 9:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:07	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-016

Client Sample ID: G218

Matrix: GROUNDWATER

Collection Date: 07/31/2024 10:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:07	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-017
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G219

Collection Date: 07/31/2024 11:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:08	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-018
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G220
Collection Date: 08/07/2024 13:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:08	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-019

Client Sample ID: G270

Matrix: GROUNDWATER

Collection Date: 08/07/2024 10:29

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:08	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-020
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G271
Collection Date: 07/31/2024 11:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:08	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-021
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G273
Collection Date: 07/31/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:08	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-022
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G275

Collection Date: 08/01/2024 12:27

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:08	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-023

Client Sample ID: G275D

Matrix: GROUNDWATER

Collection Date: 08/01/2024 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	08/26/2024 12:08	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-024
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G276
Collection Date: 07/31/2024 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	08/26/2024 12:10	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-025
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G277

Collection Date: 07/30/2024 12:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:10	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-026
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G279
Collection Date: 07/30/2024 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	08/26/2024 12:11	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-027
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G280
Collection Date: 07/30/2024 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 14:32	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-028
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G281

Collection Date: 07/30/2024 10:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-029
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G283
Collection Date: 08/07/2024 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	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-030
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G284
Collection Date: 08/07/2024 11:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-031

Client Sample ID: G285

Matrix: GROUNDWATER

Collection Date: 08/07/2024 12:03

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-032
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G301

Collection Date: 08/05/2024 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	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-033
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G302
Collection Date: 08/05/2024 11:43

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-034
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G303

Collection Date: 07/31/2024 13:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-035
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G305
Collection Date: 08/01/2024 10:28

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-036

Client Sample ID: G306

Matrix: GROUNDWATER

Collection Date: 08/01/2024 9:44

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-037
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G307
Collection Date: 08/01/2024 12:13

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:55	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-038
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G307D
Collection Date: 08/01/2024 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	08/27/2024 11:56	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-039

Client Sample ID: G308

Matrix: GROUNDWATER

Collection Date: 08/01/2024 12:56

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:56	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-040
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G310
Collection Date: 08/01/2024 13:47

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:56	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-041
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G312
Collection Date: 08/05/2024 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	08/27/2024 11:56	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-042
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G313
Collection Date: 07/31/2024 12:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:56	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-043
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G314
Collection Date: 07/31/2024 11:48

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:53	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-044
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G314D

Collection Date: 07/31/2024 10:52

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:54	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-045
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G315

Collection Date: 07/31/2024 14:38

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:54	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-046
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G316
Collection Date: 07/31/2024 9:53

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:54	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-047

Client Sample ID: G401

Matrix: GROUNDWATER

Collection Date: 08/02/2024 9:24

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/27/2024 11:54	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-048
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G402

Collection Date: 08/01/2024 14:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:50	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-049
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G403
Collection Date: 08/01/2024 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	08/26/2024 11:50	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-050
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G404
Collection Date: 07/31/2024 12:19

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:50	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-051
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G405
Collection Date: 07/31/2024 12:57

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:51	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-052

Client Sample ID: G406

Matrix: GROUNDWATER

Collection Date: 08/01/2024 10:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:51	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab ID: 24071452-053

Client Sample ID: G407

Matrix: GROUNDWATER

Collection Date: 08/01/2024 10:51

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:51	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-054
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24

Client Sample ID: G410
Collection Date: 08/02/2024 9:12

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:51	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-055
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G411
Collection Date: 08/02/2024 10:02

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:51	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-056
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: R201
Collection Date: 08/06/2024 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	08/26/2024 11:51	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-057
Matrix: AQUEOUS

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: Field Blank
Collection Date: 08/07/2024 14:49

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:51	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-058
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G200 Duplicate
Collection Date: 08/06/2024 12:16

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 11:52	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-059
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G217 Duplicate
Collection Date: 08/06/2024 9:39

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SEE ATTACHED FOR SUBCONTRACTING ANALYSIS									
Subcontracted Analysis	*	0	0		See Attached		1	08/26/2024 12:02	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-060
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: G301 Duplicate
Collection Date: 08/05/2024 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	08/26/2024 12:02	R352881



Laboratory Results

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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

Client: Ramboll
Client Project: COF-24Q3
Lab ID: 24071452-061
Matrix: GROUNDWATER

Work Order: 24071452
Report Date: 12-Sep-24
Client Sample ID: R201 Duplicate
Collection Date: 08/06/2024 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	08/26/2024 12:02	R352881



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24071452-001	G1001	Groundwater	1	08/02/2024 10:26
24071452-002	G1003	Groundwater	1	
24071452-003	G151	Groundwater	1	08/01/2024 11:48
24071452-004	G152	Groundwater	1	08/05/2024 15:16
24071452-005	G153	Groundwater	1	08/01/2024 13:55
24071452-006	G154	Groundwater	1	08/01/2024 13:09
24071452-007	G155	Groundwater	1	08/01/2024 12:36
24071452-008	G200	Groundwater	1	08/06/2024 12:16
24071452-009	G206	Groundwater	1	07/30/2024 13:36
24071452-010	G206D	Groundwater	1	07/30/2024 13:06
24071452-011	G209	Groundwater	1	07/30/2024 11:09
24071452-012	G212	Groundwater	1	08/01/2024 10:19
24071452-013	G213	Groundwater	1	08/01/2024 11:15
24071452-014	G215	Groundwater	1	08/06/2024 11:19
24071452-015	G217	Groundwater	1	08/06/2024 9:39
24071452-016	G218	Groundwater	1	07/31/2024 10:03
24071452-017	G219	Groundwater	1	07/31/2024 11:16
24071452-018	G220	Groundwater	1	08/07/2024 13:03
24071452-019	G270	Groundwater	1	08/07/2024 10:29
24071452-020	G271	Groundwater	1	07/31/2024 11:24
24071452-021	G273	Groundwater	1	07/31/2024 10:02
24071452-022	G275	Groundwater	1	08/01/2024 12:27
24071452-023	G275D	Groundwater	1	08/01/2024 12:14
24071452-024	G276	Groundwater	1	07/31/2024 12:33
24071452-025	G277	Groundwater	1	07/30/2024 12:39
24071452-026	G279	Groundwater	1	07/30/2024 10:56
24071452-027	G280	Groundwater	1	07/30/2024 11:50
24071452-028	G281	Groundwater	1	07/30/2024 10:13
24071452-029	G283	Groundwater	1	08/07/2024 13:52
24071452-030	G284	Groundwater	1	08/07/2024 11:25
24071452-031	G285	Groundwater	1	08/07/2024 12:03
24071452-032	G301	Groundwater	1	08/05/2024 10:36
24071452-033	G302	Groundwater	1	08/05/2024 11:43
24071452-034	G303	Groundwater	1	07/31/2024 13:49
24071452-035	G305	Groundwater	1	08/01/2024 10:28
24071452-036	G306	Groundwater	1	08/01/2024 9:44
24071452-037	G307	Groundwater	1	08/01/2024 12:13
24071452-038	G307D	Groundwater	1	08/01/2024 11:41
24071452-039	G308	Groundwater	1	08/01/2024 12:56



Sample Summary

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

Client: Ramboll
Client Project: COF-24Q3

Work Order: 24071452
Report Date: 12-Sep-24

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
24071452-040	G310	Groundwater	1	08/01/2024 13:47
24071452-041	G312	Groundwater	1	08/05/2024 12:55
24071452-042	G313	Groundwater	1	07/31/2024 12:53
24071452-043	G314	Groundwater	1	07/31/2024 11:48
24071452-044	G314D	Groundwater	1	07/31/2024 10:52
24071452-045	G315	Groundwater	1	07/31/2024 14:38
24071452-046	G316	Groundwater	1	07/31/2024 9:53
24071452-047	G401	Groundwater	1	08/02/2024 9:24
24071452-048	G402	Groundwater	1	08/01/2024 14:16
24071452-049	G403	Groundwater	1	08/01/2024 9:16
24071452-050	G404	Groundwater	1	07/31/2024 12:19
24071452-051	G405	Groundwater	1	07/31/2024 12:57
24071452-052	G406	Groundwater	1	08/01/2024 10:00
24071452-053	G407	Groundwater	1	08/01/2024 10:51
24071452-054	G410	Groundwater	1	08/02/2024 9:12
24071452-055	G411	Groundwater	1	08/02/2024 10:02
24071452-056	R201	Groundwater	1	08/06/2024 13:04
24071452-057	Field Blank	Aqueous	1	08/07/2024 14:49
24071452-058	G200 Duplicate	Groundwater	1	08/06/2024 12:16
24071452-059	G217 Duplicate	Groundwater	1	08/06/2024 9:39
24071452-060	G301 Duplicate	Groundwater	1	08/05/2024 10:36
24071452-061	R201 Duplicate	Groundwater	1	08/06/2024 13:04



Receiving Check List

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

Client: Ramboll

Work Order: 24071452

Client Project: COF-24Q3

Report Date: 12-Sep-24

Carrier: Daniel Crump

Received By: AMD

Completed by:

On:

30-Jul-24

Amber Dilallo

Reviewed by:

On:

12-Aug-24

Ellie Hopkins

Pages to follow: Chain of custody **31**

Extra pages included **64**

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐	Temp °C 5.9
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 7/30/24 at 1615 on ice [5.9C - LTG#5]. pH strip #96651. - amberdilallo - 7/30/2024 5:02:39 PM

Samples were received on 7/31/24 at 16:30 on ice [15.9C - LTG#5]. - pschultz - 8/1/2024 8:18:54 AM

pH strip #96651. - pschultz - 8/1/2024 8:19:32 AM

Additional Nitric Acid (98584) preservative was needed for G314, G314D, and G316 upon arrival at the laboratory. - pschultz - 8/1/2024 8:19:43 AM

Samples were received on 8/1/24 at 1558 on ice [14.3C - LTG#5]. pH strip #96651. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G153, G275D, G402 and G407. - amberdilallo - 8/1/2024 4:53:17 PM

Samples were received on 8/2/24 at 1310 on ice [11.3C - LTG#5]. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G401. pH strip #96651. - amberdilallo - 8/2/2024 1:43:10 PM

Samples were received on 8/5/2024 at 17:08 on ice [18.5C - LTG#5]. - pschultz - 8/6/2024 8:32:07 AM

pH strip #96651. - pschultz - 8/6/2024 8:32:43 AM

Samples were received on 8/6/24 at 1500 on ice [8/7C - LTG#5]. pH strip #96651. - amberdilallo - 8/6/2024 3:50:25 PM

Samples were received on 8/7/24 at 1727 on ice [14.4C - LTG#5]. Additional Nitric Acid (99172) was needed upon arrival at the laboratory for G285. pH strip #96651. - amberdilallo - 8/8/2024 8:15:53 AM

7/30/24

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 Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7/30/14				

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

Page: 4 of 7

pm ✓ 9/22/21
om
7/30/24

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 Gato					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-30-24				

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

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 GALT					
SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 7-31-24					

PS 8/1

Page: 4 of 7

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole				
SIGNATURE of SAMPLER:	Justin Cole				
DATE Signed (MM/DD/YY):		7-31-24			

Page: 5 of 7

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Container (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gelp					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 7-31-24				

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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 PRINT Name of SAMPLER: <u>Justin Gao</u> SIGNATURE of SAMPLER: <u>[Signature]</u>		Temp in °C Received on ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)
DATE Signed (MM/DD/YY): <u>8-1-24</u>		

PH 96651 Added HNO₃ (99172) to 6153 (2/2), 62757 (2/2),
in 5/1 6402 (1/2), + 6407 (1/2)

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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: <i>Dave Gillman</i>					
SIGNATURE of SAMPLER: <i>[Signature]</i> DATE Signed (MM/DD/YY): <i>8-1-24</i>					

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Page: 4 of 7

[illegible]

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Breithaupt				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 8-1-29				

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ITEM #	Section D Required Client Information	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GSAS C=CUMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test ↓ Y/N	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-257-105	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	8.1.24	1213	2	2							X						X													24071452-037					
2	G307D	WT	G	8.1.24	1141	2	2							X						X													24071452-038					
3	G308	WT	G	8.1.24	1256	2	2							X						X													24071452-039					
4	G310	WT	G	8.1.24	1347	2	2							X						X													24071452-040					
5	G312	WT	G			2	2							X						X													24071452-041					
6	G313	WT	G			2	2							X						X													24071452-042					
7	G314	WT	G			2	2							X						X													24071452-043					
8	G314D	WT	G			2	2							X						X													24071452-044					
9	G315	WT	G			2	2							X						X													24071452-045					
10	G316	WT	G			2	2							X						X													24071452-046					
11	G401	WT	G			2	2								X						X												24071452-047					
12	G402	WT	G	8-1	1416	2	2							X						X													24071452-048					
13	G403	WT	G	8-1	0916	2	2							X						X													24071452-049					
14	G404	WT	G			2	2							X							X												24071452-050					
15	G405	WT	G			2	2							X						X													24071452-051					
16	G406	WT	G	8-1	1000	2	2							X						X													24071452-052					
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																				
COF-24Q3 Rev 0		B-OK				8-1		1558		RA				8/1/24		1558		> z																				

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Gop					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-1-24				

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ITEM #	Section D Required Client Information		MATRIX		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					
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOLID P CL SL WPE WP AIR AR OTHER AR	DATE	TIME			Unpreserved	H ₂ SO ₄			HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101		COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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	8-1	1051			2		2						X																	24071452-053		
2	G410	WT G					2		2																	X						24071452-054		
3	G411	WT G					2		2																	X						24071452-055		
4	L201	WT G					0										X															N/A		
5	L202	WT G					0										X															N/A		
6	L203	WT G					0										X															N/A		
7	NE Riser	WT G					0									X				X												N/A		
8	R104	WT G					0											X									X					N/A		
9	R201	WT G					2		2							X		X				X					X					24071452-056		
10	R205	WT G					0																				X					N/A		
11	SG-02	WT G					0								X	X			X	X												N/A		
12	SG-03	WT G					0								X	X			X	X												N/A		
13	T127	WT G					0										X	X														N/A		
14	T128	WT G					0											X														N/A		
15	X201	WT G					0										X						X									N/A		
16	XSG-01	WT G					0								X				X													N/A		
ADDITIONAL COMMENTS			RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																	
COF-24Q3 Rev 0			<i>[Signature]</i>			8-1		155X		<i>[Signature]</i>			8/1/24		155X		> z																	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Sample Intact (Y/N)
PRINT Name of SAMPLER:	Justin Cole				
SIGNATURE of SAMPLER:	Justin Cole				
DATE Signed (MM/DD/YY):		8-1-24			

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Required Client Information:

Required Project Information:

Invoice information:

Page: 1 of 7

ITEM #	Section D Required Client Information	Matrix Codes DRINKING WATER CW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE OL AIR WP OTHER AR	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-257-105	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	8-2	1026		2		2								X													24071452-001					
3	G1003		WT	G				2		2								X					X								24071452-002					
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-24Q3 Rev 0		J. Colp		8-2		1310		Le Ho		8/2/24		1310		X																						

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

DATE Signed _____
(MM/DD/YYYY)

8-2-7v

11.3
UR

Temp in °C

Received on
100 0000Custody
Sealed

Samples

PH 96651
added HNO₃ (99.72) to
9401 1/2

LH
8/2/29

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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): 8-2-24				

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Section A

Required Client information:

Section B

Required Project Information:

Section C

Invoice information:

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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	REGULATORY AGENCY		
Coffeen, IL 62017		John Romang: John.Romang@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: Justin Culp					
SIGNATURE of SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): 8-7-74				

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: 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		John Romang: John.Romang@vistracorp.com		Address: see Section A			
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911		Fax:		Project Name: COF 2024 GW		Project Manager:	
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information	Matrix	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-257-105	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		DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT SOLID/SOLID P SL OL WPE AIR WP OTHER AR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</

PA 94651
PS 8/6

SAMPLER NAME AND SIGNATURE		18.5 46.5 Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	DATE Signed (MM/DD/YY):				
SIGNATURE of SAMPLER: [Signature]		8-5-24			

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	SUSTIN COLO				
SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY): 8-5-24				

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[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 Carroll					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YYYY): 8/5/24				

24071452
COF-845-401

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 5 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: Brian Voelker	
Address: 134 CIPS Lane		Copy To: Sam Davies: samantha.davies@vistracorp.com		Company Name: Vistra Corp	
Coffeen, IL 62017		John Romang: John.Romang@vistracorp.com		Address: see Section A	
Email To: Brian.Voelker@VistraCorp.com		Purchase Order No.:		Quote Reference:	
Phone: (217) 753-8911 Fax:		Project Name: 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	IL	
STATE:		

ITEM #	Section D Required Client Information	Matrix	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-257-105	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		OTHER	AR	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT	WT

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 Cannon					
SIGNATURE of SAMPLER: <i>[Signature]</i>					
DATE Signed (MM/DD/YY): 8/5/24					

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Page: 6 of 7

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 6 of 7	
Company: <u> Vistra Corp-Coffeen </u>		Report To: <u> Brian Voelker </u>		Attention: <u> Brian Voelker </u>		REGULATORY AGENCY NPDES GROUND WATER DRINKING WATER UST RCRA OTHER	
Address: <u> 134 CIPS Lane </u>		Copy To: <u> Sam Davies: samantha.davies@vistracorp.com </u>		Company Name: <u> Vistra Corp </u>			
<u> Coffeen, IL 62017 </u>		<u> John Romang: John.Romang@vistracorp.com </u> <u> Rich Speraneo: Rich.Speraneo@vistracorp.com </u>		Address: <u> see Section A </u>			
Email To: <u> Brian.Voelker@VistraCorp.com </u>		Purchase Order No.: <u> </u>		Quote Reference: <u> </u>		Site Location	
Phone: <u> (217) 753-8911 </u>	Fax: <u> </u>	Project Name: <u> COF 2024 GW </u>		Project Manager: <u> </u>		STATE: <u> </u>	
Requested Due Date/FAT: <u> 10 day </u>		Project Number: <u> 1940106781-003 </u>		Profile #: <u> </u>			

ITEM #	Section D Required Client Information							Matrix Codes								MATRIX CODE	(base 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)										Radium 226/228, only		
	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX	DW	WT	WW	P	SL	OL	CL	WP	AR	DATE	TIME	Unpreserved	H ₂ SO ₄				HNO ₃	HCl			NaOH	Na ₂ S ₂ O ₃	Methanol	Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105		COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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		2							X																			24071452-053				
2	G410	WT	G										2		2																										24071452-054				
3	G411	WT	G										2		2																										24071452-055				
4	L201	WT	G										0													X														N/A					
5	L202	WT	G										0												X															N/A					
6	L203	WT	G										0												X															N/A					
7	NE Riser	WT	G										0											X					X												N/A				
8	R104	WT	G										0													X														N/A					
9	R201	WT	G										2		2									X		X			X												24071452-056				
10	R205	WT	G										0																											N/A					
11	SG-02	WT	G										0									X	X			X	X													N/A					
12	SG-03	WT	G										0									X	X			X	X													N/A					
13	T127	WT	G	8-5	1128								0												X	X														N/A					
14	T128	WT	G	8-5	1149								0													X														N/A					
15	X201	WT	G										0											X						X										N/A					
16	XSG-01	WT	G										0									X					X													N/A					
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																									
COF-24Q3 Rev 0								8-5		170K						8/5/24		1708																											

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/YYYY): 8-5-24				

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: 7 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		John Romang: John.Romang@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: 1940106781-003		Profile #:			

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX DRINKING WATER CW WATER WT WASTE WATER WW PRODUCT SOL/SOLID P SL OL WPE AIR WP OTHER AR	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-257-105	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	Field Blank	WT	G				2											X	X	X	X	X	X	X	X	X	X	X	X	X	X	24071452-057	
2	G102 Duplicate	WT	G				0																									N/A	
3	G200 Duplicate	WT	G				2													X												24071452-058	
4	G217 Duplicate	WT	G				2													X												24071452-059	
5	G301 Duplicate	WT	G		8/5/24	1034	2											X														24071452-060	
6	R201 Duplicate	WT	G				2												X													24071452-061	
7	Equipment Blank 1	WT	G				2											X	X	X	X	X	X	X	X	X	X	X	X	X	X	24071452-062	
8																																	
9																																	
10																																	
11																																	
12																																	
13																																	
14																																	
15																																	
16																																	

ADDITIONAL COMMENTS COF-24Q3 Rev 0		RELINQUISHED BY / AFFILIATION <i>[Signature]</i>	DATE 8/5/24	TIME 1708	ACCEPTED BY / AFFILIATION <i>[Signature]</i>	DATE 8/5/24	TIME 1708	SAMPLE CONDITIONS			
SAMPLER NAME AND SIGNATURE								Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll											
SIGNATURE of SAMPLER: <i>[Signature]</i>											
DATE Signed (MM/DD/YY): 8/5/24											

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 7	
Company: Vistra Corp-Coffeen		Report To: Brian Voelker		Attention: 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		John Romang: John.Romang@vistracorp.com		Address: see Section A			
Email To: brian.voelker@vistracorp.com		Purchase Order No.:		Quote Reference:			
Phone: (217) 753-8911		Project Name: COF 2024 GW		Project Manager:			
Requested Due Date/TAT: 10 day		Project Number: 1940106781-003		Profile #:			

Section D Required Client Information		MATRIX		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.
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	DRINKING WATER DW	WATER WT			WASTE WATER WW	PRODUCT SOLID S			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000		
1	AP2D								0								X																N/A	
2	G1001								2								X																24071452-001	
3	G1003								2								X																24071452-002	
4	G101								0												X												N/A	
5	G102						8-6	0913	0											X	X												N/A	
6	G103						8-6	1014	0												X												N/A	
7	G105						8-6	1101	0												X												N/A	
8	G106						8-6	1122	0											X	X												N/A	
9	G107						8-6	1144	0												X												N/A	
10	G108								0												X													N/A
11	G109								0												X													N/A
12	G110								0												X	X												N/A
13	G111						8-6	0945	0												X													N/A
14	G119								0												X													N/A
15	G120								0												X	X												N/A
16	G121								0												X													N/A

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0		B. J. S.		8-6	1500	Justin WLP		8/6/24	1500	Temp in °C: 7 Received on ice (Y/N): ☒ Custody Sealed Cooler (Y/N): ☒ Samples Intact (Y/N): ☒			

PHV 96651 8/6 LTC5

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Section 8

Required Client Information:

Required Project Information:

Section C

invoice information:

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	REGULATORY AGENCY		
Coffeen, IL 62017		John Romang: John.Romang@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:		

ITEM #	Section D Required Client Information	Matrix Codes DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL CL CL WPE WP AIR AP OTHER AR	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↓ Y/N ↓	Requested Analysis Filtered (Y/N)														Radium 226/228, only			
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	$NaOH$	$Na_2S_2O_3$	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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								X												N/A							
2	G123	WT	G				0								X												N/A							
3	G124	WT	G				0								X												N/A							
4	G125	WT	G				0							X	X												N/A							
5	G126	WT	G				0							X													N/A							
6	G151	WT	G				2		2																X		24071452-003							
7	G152	WT	G				2		2																X		24071452-004							
8	G153	WT	G				2		2																X		24071452-005							
9	G154	WT	G				2		2														X		X		24071452-006							
10	G155	WT	G				2		2															X			24071452-007							
11	G200	WT	G	8-6	1216		2		2					X	X									X			24071452-008							
12	G206	WT	G				2		2					X				X						X			24071452-009							
13	G206D	WT	G				2		2					X				X									24071452-010							
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			24071452-011							
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS																				
COF-24Q3 Rev 0		BIL SP		8-6		1500		Z A		8/6/24		1500				y		z																

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-6-24				

CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 3 of 7	
Company: Vistra Corp-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		John Romang: John.Romang@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	Matrix	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-257-105	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		PRODUCT		SOL/SOLID		SL		OL		WPE		AIR		OTHER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE	TIME	ACCEPTED BY / AFFILIATION		DATE	TIME	SAMPLE CONDITIONS			
COF-24Q3 Rev 0				8-6	1500			8/6/24	1500				
										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:	Tracy Carrell
SIGNATURE of SAMPLER:	
DATE Signed (MM/DD/YY):	8.6.24

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Invoice information:

ITEM #	Section D Required Client Information	MATRIX DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOIL/SOLID SL OIL OL PIPE WP AIR WR OTHER AR	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_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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			2								X															24071452-053	
2	G410	WT	G				2			2																X							24071452-054	
3	G411	WT	G				2			2																X							24071452-055	
4	L201	WT	G				0								X																	N/A		
5	L202	WT	G				0								X																	N/A		
6	L203	WT	G				0								X																	N/A		
7	NE Riser	WT	G				0											X														N/A		
8	R104	WT	G				0									X											X					N/A		
9	R201	WT	G				2			2					X	X			X							X						24071452-056		
10	R205	WT	G				0																			X						N/A		
11	SG-02	WT	G				0								X	X			X	X												N/A		
12	SG-03	WT	G				0								X	X			X	X												N/A		
13	T127	WT	G				0									X																N/A		
14	T128	WT	G				0									X																N/A		
15	X201	WT	G				0								X							X										N/A		
16	XSG-01	WT	G				0								X			X														N/A		
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION			DATE		TIME		ACCEPTED BY / AFFILIATION			DATE		TIME		SAMPLE CONDITIONS																		
COF-24Q3 Rev 0		SD SD			8-6		1500		Z ft			8/6/24		1500		> z																		

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cold					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-6-74				

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SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Justin Cole					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY): 8-6-24				

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Page: 1 of 7

Added HNO ₃ (99172) to G285	SAMPLER NAME AND SIGNATURE		Temp in °C	Recovered 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): 8.7.24				

Added HNO₃(99172) to G285.
pH ✓ 9.6651 Gpm 8/8/24

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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: Tracy Carroll						
SIGNATURE of SAMPLER: Tracy Carroll	DATE Signed (MM/DD/YY): 8.7.24					

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invoice information:

Page: 3 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		John Romang: John.Romang@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	Matrix Codes DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOL/SOLID SL OL WPE WP AIR WAP OTHER AR	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		
					DATE	TIME			Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol		Other	COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-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		24071452-012								
4	G213	WT	G				2	2											X						X		24071452-013								
5	G214	WT	G				0																		X		N/A								
6	G215	WT	G				2	2											X						X		24071452-014								
7	G216	WT	G				0																		X		N/A								
8	G217	WT	G				2	2											X						X		24071452-015								
9	G218	WT	G				2	2											X						X		24071452-016								
10	G219	WT	G				2	2													X						24071452-017								
11	G220	WT	G	8.7.24	1303		2	2													X						24071452-018								
12	G270	WT	G	8.7.24	1029		2	2											X		X			X	X		24071452-019								
13	G271	WT	G				2	2												X					X		24071452-020								
14	G272	WT	G				0																		X		N/A								
15	G273	WT	G				2	2												X					X		24071452-021								
16	G274	WT	G				0																		X		N/A								
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS																			
COF-24Q3 Rev 0		Jenny G. Smith		8-7-24		1727		Sharon O'Connell				8/7/24		1727		> 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: Tracy Cazzell					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 8-7-24				

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 4 of 7	
Company: Vistra Corp-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 John Romang: John.Romang@vistracorp.com Rich Speraneo: Rich.Speraneo@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 UST RCRA OTHER	
Phone: (217) 753-8911 Fax:		Project Name: COF 2024 GW		Project Manager:		Site Location	
Requested Due Date/AT: 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	MATRIX		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)																	Radium 226/228, only		
		DRINKING WATER DW	WT			DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-MPCP-102	COF-MPCP-103-104	COF-MPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.			
		WASTE WATER WW	P																																			
		PRODUCT SOLID SL	OL																																			
		AIR WP	VP																																			
		OTHER AR																																				
1	G275	WT	G					2	2							X																24071452-022						
2	G275D	WT	G					2	2							X																24071452-023						
3	G276	WT	G					2	2							X																24071452-024						
4	G277	WT	G					2	2							X																24071452-025						
5	G278	WT	G					0																								N/A						
6	G279	WT	G					2	2							X																24071452-026						
7	G280	WT	G					2	2							X																24071452-027						
8	G281	WT	G					2	2							X	X															24071452-028						
9	G283	WT	G			8.7.24	1352	2	2							X																	24071452-029					
10	G284	WT	G			8.7.24	1125	2	2							X																	24071452-030					
11	G285	WT	G			8.7.24	1203	2	2							X																	24071452-031					
12	G301	WT	G					2	2							X																	24071452-032					
13	G302	WT	G					2	2							X																	24071452-033					
14	G303	WT	G					2	2							X																	24071452-034					
15	G305	WT	G					2	2							X																	24071452-035					
16	G306	WT	G					2	2							X																	24071452-036					
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION</																																				

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Tracy Candell SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 8/7/24		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

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ITEM #	Section D Required Client Information	WATER ANALYSIS CODES DRINKING WATER CWK WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OK OL WPE WP AIR WP OTHER AR	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)																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-257-105	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				2		2							X																					24071452-053
2	G410	WT	G				2		2																											24071452-054	
3	G411	WT	G				2		2																											24071452-055	
4	L201	WT	G		8.7.24	1415	0																													N/A	
5	L202	WT	G		8.7.24	1420	0																													N/A	
6	L203	WT	G		8.7.24	1424	0																													N/A	
7	NE Riser	WT	G		8.7.24	1435	0																													N/A	
8	R104	WT	G				0																													N/A	
9	R201	WT	G				2		2																											24071452-056	
10	R205	WT	G				0																													N/A	
11	SG-02	WT	G				0																													N/A	
12	SG-03	WT	G				0																													N/A	
13	T127	WT	G				0																													N/A	
14	T128	WT	G				0																													N/A	
15	X201	WT	G		8.7.24	1445	0																													N/A	
16	XSG-01	WT	G				0																													N/A	
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION					DATE	TIME	SAMPLE CONDITIONS																				
COF-24Q3 Rev 0					Jenny Carroll			8.7.24	1727	Simon Orrell					8/14/24	1727																					

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Tracy Carroll					
SIGNATURE of SAMPLER: Tracy Carroll	DATE Signed (MM/DD/YY): 8.7.24				

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ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX DRINKING WATER CW WATER WT WASTE WATER WW PRODUCT P SOLID/SOLID SL OL OL WPE WP AIR WP OTHER AR	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		
					DATE	TIME			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other		COF-257-101	COF-257-102	COF-257-103	COF-257-104	COF-257-105	COF-811-105	COF-845-101	COF-845-102	COF-845-103	COF-845-104	COF-NE-103	COF-SUP-000	COF-MPCP-102	COF-MPCP-103-104	COF-MPCP-106	Residual Chlorine (Y/N)	Project No./ Lab I.D.		
1	Field Blank	WT	G	8.7.24	1449		2		2										X	X	X	X	X	X	X	X	X	X	X	X	X	X	24071452-057			
2	G102 Duplicate	WT	G				0																									N/A				
3	G200 Duplicate	WT	G				2		2																								24071452-058			
4	G217 Duplicate	WT	G				2		2																								24071452-059			
5	G301 Duplicate	WT	G				2		2										X														24071452-060			
6	R201 Duplicate	WT	G				2		2																								24071452-061			
7	Equipment Blank 1	WT	G				2		2										X	X	X	X	X	X	X	X	X	X	X	X	X		24071452-062			
8																																				
9																																				
10																																				
11																																				
12																																				
13																																				
14																																				
15																																				
16																																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
COF-24Q3 Rev 0	[Signature]	8.7.24	1727	[Signature]	8/7/24	1727	> 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: Tracy Card					
SIGNATURE of SAMPLER: [Signature]	DATE Signed (MM/DD/YY) 8-7-24				

ANALYTICAL REPORT

PREPARED FOR

Attn: Elizabeth A Hurley
TekLab, Inc
5445 Horseshoe Lake Road
Collinsville, Illinois 62234

Generated 9/12/2024 2:43:57 PM Revision 2

JOB DESCRIPTION

Radium-226 and Radium-228
24071452

JOB NUMBER

160-55036-1

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
9/12/2024 2:43:57 PM
Revision 2

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

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Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1

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

Job ID: 160-55036-1

Eurofins St. Louis

CASE NARRATIVE

Client: TekLab, Inc

Project: 24071452

Report Number: 160-55036-1 Revision 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.

Revision 2

The report being provided is revision two of the original report sent on 9/9/2024. The initial request included an incorrect sample for collection time revision, so the report has been revised to correct the error. The email is included for documentation.

Revision

The report being provided is a revision of the original report sent on 9/9/2024. The report (revision 1) is being revised in order to correct collection times that were inaccurate on the original chain-of-custody (COC). The email request is included in the revised report for documentation.

Receipt

The samples were received on 8/12/2024 1:05 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 20.6°C, 21.1°C, 21.3°C, 21.4°C, 21.6°C and 22.0°C.

Method 903.0 - Radium-226 (GFPC)

Samples 24071452-001 (160-55036-1), 24071452-003 (160-55036-2), 24071452-004 (160-55036-3), 24071452-005 (160-55036-4), 24071452-006 (160-55036-5), 24071452-007 (160-55036-6), 24071452-008 (160-55036-7), 24071452-009

Eurofins St. Louis

Case Narrative

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

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

Job ID: C-160-55036-1

Job ID: 160-55036-1 (Continued)

Eurofins St. Louis

(160-55036-8), 24071452-010 (160-55036-9), 24071452-011 (160-55036-10), 24071452-012 (160-55036-11), 24071452-013 (160-55036-12), 24071452-014 (160-55036-13), 24071452-015 (160-55036-14), 24071452-016 (160-55036-15), 24071452-017 (160-55036-16), 24071452-018 (160-55036-17), 24071452-019 (160-55036-18), 24071452-020 (160-55036-19), 24071452-021 (160-55036-20), 24071452-022 (160-55036-21), 24071452-023 (160-55036-22), 24071452-024 (160-55036-23), 24071452-025 (160-55036-24), 24071452-026 (160-55036-25), 24071452-027 (160-55036-26), 24071452-028 (160-55036-27), 24071452-029 (160-55036-28), 24071452-030 (160-55036-29), 24071452-031 (160-55036-30), 24071452-032 (160-55036-31), 24071452-033 (160-55036-32), 24071452-034 (160-55036-33), 24071452-035 (160-55036-34), 24071452-036 (160-55036-35), 24071452-037 (160-55036-36), 24071452-038 (160-55036-37), 24071452-039 (160-55036-38), 24071452-040 (160-55036-39), 24071452-041 (160-55036-40), 24071452-042 (160-55036-41), 24071452-043 (160-55036-42), 24071452-044 (160-55036-43), 24071452-045 (160-55036-44), 24071452-046 (160-55036-45), 24071452-047 (160-55036-46), 24071452-048 (160-55036-47), 24071452-049 (160-55036-48), 24071452-050 (160-55036-49), 24071452-051 (160-55036-50), 24071452-052 (160-55036-51), 24071452-053 (160-55036-52), 24071452-054 (160-55036-53), 24071452-055 (160-55036-54), 24071452-056 (160-55036-55), 24071452-057 (160-55036-56), 24071452-058 (160-55036-57), 24071452-059 (160-55036-58), 24071452-060 (160-55036-59) and 24071452-061 (160-55036-60) were analyzed for Radium-226 (GFPC). The samples were prepared on 8/13/2024 and 8/14/2024 and analyzed on 9/4/2024 and 9/5/2024.

Method 904.0 - Radium-228 (GFPC)

Samples 24071452-001 (160-55036-1), 24071452-003 (160-55036-2), 24071452-004 (160-55036-3), 24071452-005 (160-55036-4), 24071452-006 (160-55036-5), 24071452-007 (160-55036-6), 24071452-008 (160-55036-7), 24071452-009 (160-55036-8), 24071452-010 (160-55036-9), 24071452-011 (160-55036-10), 24071452-012 (160-55036-11), 24071452-013 (160-55036-12), 24071452-014 (160-55036-13), 24071452-015 (160-55036-14), 24071452-016 (160-55036-15), 24071452-017 (160-55036-16), 24071452-018 (160-55036-17), 24071452-019 (160-55036-18), 24071452-020 (160-55036-19), 24071452-021 (160-55036-20), 24071452-022 (160-55036-21), 24071452-023 (160-55036-22), 24071452-024 (160-55036-23), 24071452-025 (160-55036-24), 24071452-026 (160-55036-25), 24071452-027 (160-55036-26), 24071452-028 (160-55036-27), 24071452-029 (160-55036-28), 24071452-030 (160-55036-29), 24071452-031 (160-55036-30), 24071452-032 (160-55036-31), 24071452-033 (160-55036-32), 24071452-034 (160-55036-33), 24071452-035 (160-55036-34), 24071452-036 (160-55036-35), 24071452-037 (160-55036-36), 24071452-038 (160-55036-37), 24071452-039 (160-55036-38), 24071452-040 (160-55036-39), 24071452-041 (160-55036-40), 24071452-042 (160-55036-41), 24071452-043 (160-55036-42), 24071452-044 (160-55036-43), 24071452-045 (160-55036-44), 24071452-046 (160-55036-45), 24071452-047 (160-55036-46), 24071452-048 (160-55036-47), 24071452-049 (160-55036-48), 24071452-050 (160-55036-49), 24071452-051 (160-55036-50), 24071452-052 (160-55036-51), 24071452-053 (160-55036-52), 24071452-054 (160-55036-53), 24071452-055 (160-55036-54), 24071452-056 (160-55036-55), 24071452-057 (160-55036-56), 24071452-058 (160-55036-57), 24071452-059 (160-55036-58), 24071452-060 (160-55036-59) and 24071452-061 (160-55036-60) were analyzed for Radium-228 (GFPC). The samples were prepared on 8/13/2024 and 8/14/2024 and analyzed on 8/22/2024, 8/26/2024 and 8/27/2024.

Method Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Samples 24071452-001 (160-55036-1), 24071452-006 (160-55036-5), 24071452-008 (160-55036-7), 24071452-009 (160-55036-8), 24071452-010 (160-55036-9), 24071452-011 (160-55036-10), 24071452-012 (160-55036-11), 24071452-013 (160-55036-12), 24071452-014 (160-55036-13), 24071452-015 (160-55036-14), 24071452-016 (160-55036-15), 24071452-017 (160-55036-16), 24071452-018 (160-55036-17), 24071452-019 (160-55036-18), 24071452-020 (160-55036-19), 24071452-021 (160-55036-20), 24071452-022 (160-55036-21), 24071452-023 (160-55036-22), 24071452-024 (160-55036-23), 24071452-025 (160-55036-24), 24071452-026 (160-55036-25), 24071452-027 (160-55036-26), 24071452-028 (160-55036-27), 24071452-029 (160-55036-28), 24071452-030 (160-55036-29), 24071452-031 (160-55036-30), 24071452-032 (160-55036-31), 24071452-033 (160-55036-32), 24071452-034 (160-55036-33), 24071452-035 (160-55036-34), 24071452-036 (160-55036-35), 24071452-037 (160-55036-36), 24071452-038 (160-55036-37), 24071452-039 (160-55036-38), 24071452-040 (160-55036-39), 24071452-041 (160-55036-40), 24071452-042 (160-55036-41), 24071452-043 (160-55036-42), 24071452-044 (160-55036-43), 24071452-045 (160-55036-44), 24071452-046 (160-55036-45), 24071452-047 (160-55036-46), 24071452-048 (160-55036-47), 24071452-049 (160-55036-48), 24071452-050 (160-55036-49), 24071452-051 (160-55036-50), 24071452-052 (160-55036-51), 24071452-053 (160-55036-52), 24071452-054 (160-55036-53), 24071452-055 (160-55036-54), 24071452-056 (160-55036-55), 24071452-057 (160-55036-56), 24071452-058 (160-55036-57), 24071452-059 (160-55036-58), 24071452-060 (160-55036-59) and 24071452-061 (160-55036-60) were analyzed for Combined Radium-226 and Radium-228. The samples were analyzed on 9/9/2024.

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																
Project#		24071452		Cooler Temp:				Sampler:		TekLab, Inc.		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:		36659										
						Phone: (618) 344-1004 ext. 33										

PLEASE NOTE

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

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24071452-001	8/2/2024 10:26:00 AM	HNO3	Groundwater
	24071452-002	Dry	HNO3	Groundwater
	24071452-003	8/1/2024 11:48:00 AM	HNO3	Groundwater
	24071452-004	8/5/2024 3:16:00 PM	HNO3	Groundwater
	24071452-005	8/1/2024 1:55:00 PM	HNO3	Groundwater
	24071452-006	8/1/2024 1:09:00 PM	HNO3	Groundwater
	24071452-007	8/1/2024 12:36:00 PM	HNO3	Groundwater
	24071452-008	8/6/2024 12:16:00 PM	HNO3	Groundwater
	24071452-009	7/30/2024 1:37:00 PM	HNO3	Groundwater
	24071452-010	7/30/2024 1:06:00 PM	HNO3	Groundwater
	24071452-011	7/30/2024 11:09:00 AM	HNO3	Groundwater



160 65036 Chain of Custody

Relinquished By	Date/Time	Received By	Date/Time
<i>[Signature]</i>	8/12/24 11:00	<i>[Signature]</i>	8/12/24 11:00
<i>[Signature]</i>	8/12/24 1:30	Mr. Pimenta	8/12/24 13:00

ATTACHMENT B.
QUARTER 3, 2024
, ASH POND NO. 1
COF-845-101

SubCocRevA
3/2/2016

Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c). Teklab maintains a strict policy of client confidentiality and as such does not provide client/sampler information without proper authorization, and proprietary rights.

Pg 2 of 6

TEKLAB, INC. Chain of Custody

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

Are the samples chilled? YES ☐ NO ☒

With: ☐ Ice ☐ Blue Ice Preserved in: ☐ Lab ☐ Field

Teklab Inc

5445 Horseshoe Lake Road
Collinsville, IL 62234

Project#

24071452

Contact:

Elizabeth Hurley

Email:

EHurley@TekLabInc.com

Requested Due Date:

Standard TAT

Billing/PO:

36659

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
	24071452-012	8/1/2024 10:20:00 AM	HNO3	Groundwater
	24071452-013	8/1/2024 11:15:00 AM	HNO3	Groundwater
	24071452-014	8/6/2024 11:19:00 AM	HNO3	Groundwater
	24071452-015	8/6/2024 9:39:00 AM	HNO3	Groundwater
	24071452-016	7/31/2024 10:03:00 AM	HNO3	Groundwater
	24071452-017	7/31/2024 11:16:00 AM	HNO3	Groundwater
	24071452-018	8/7/2024 1:03:00 PM	HNO3	Groundwater
	24071452-019	8/7/2024 10:29:00 AM	HNO3	Groundwater
	24071452-020	7/31/2024 11:24:00 AM	HNO3	Groundwater
	24071452-021	7/31/2024 10:02:00 AM	HNO3	Groundwater
	24071452-022	8/1/2024 12:28:00 PM	HNO3	Groundwater

Relinquished By	Date/Time	Received By	Date/Time
M. J. O'Callahan	8/12/24 8:00pm	M. J. O'Callahan	8/12/24 8:00pm

ATTACHMENT B.
QUARTER 3, 2024
, ASH POND NO. 1
COF-845-101

SubCocRevA
3/2/2016

Teklab, Inc. protects clients' confidential information as directed by local, state or federal laws. (Teklab QAM Section 9.1, TNI V1 M2 Section 4.1.5 c)

9/12/2024 (Rev. 2)

Page 7 of 64

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

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.

Project# 24071452

Contact: Elizabeth Hurley
Requested Due Date: Standard TAT

Email: EHurley@TekLabInc.com
Billing/PO: 36659

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.

Ra226/228 Radium 226 Radium 228

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix
	24071452-023	8/1/2024 12:14:00 PM	HNO3	Groundwater
	24071452-024	7/31/2024 12:33:00 PM	HNO3	Groundwater
	24071452-025	7/30/2024 12:39:00 PM	HNO3	Groundwater
	24071452-026	7/30/2024 10:56:00 AM	HNO3	Groundwater
	24071452-027	7/30/2024 11:50:00 AM	HNO3	Groundwater
	24071452-028	7/30/2024 10:13:00 AM	HNO3	Groundwater
	24071452-029	8/7/2024 1:52:00 PM	HNO3	Groundwater
	24071452-030	8/7/2024 11:25:00 AM	HNO3	Groundwater
	24071452-031	8/7/2024 12:03:00 PM	HNO3	Groundwater
	24071452-032	8/5/2024 10:36:00 AM	HNO3	Groundwater
	24071452-033	8/5/2024 11:43:00 AM	HNO3	Groundwater

*Relinquished By 	Date/Time 8/12/24 11:00	Received By 	Date/Time 8/12/24 13:00
	8/12/24 13:00		

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SubCocRevA
3/2/2016

TEKLAB, INC. Chain of Custody

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

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

Teklab Inc
5445 Horseshoe Lake Road
Collinsville, IL 62234

Cooler Temp: Sampler: QC Level:

Project# 24071452
Comments: **Please issue reports and invoices via email only**
Please analyze for Radium 226/228 per methods specified for Visira/Ramboll projects.
Method changes require Teklab authorization. Samples collected from an IL site.
Batch QC is required for all analyses requested. Visira-EDD requested.

Contact: Elizabeth Hurley Email: EHurley@TekLabInc.com
Requested Due Date: Standard TAT Billing/PO: 36659
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
	24071452-045	7/31/2024 2:38:00 PM	HNO3	Groundwater
	24071452-046	7/31/2024 9:53:00 AM	HNO3	Groundwater
	24071452-047	8/2/2024 9:24:00 AM	HNO3	Groundwater
	24071452-048	8/1/2024 2:16:00 PM	HNO3	Groundwater
	24071452-049	8/1/2024 9:16:00 AM	HNO3	Groundwater
	24071452-050	7/31/2024 12:19:00 PM	HNO3	Groundwater
	24071452-051	7/31/2024 12:57:00 PM	HNO3	Groundwater
	24071452-052	8/1/2024 10:00:00 AM	HNO3	Groundwater
	24071452-053	8/1/2024 10:51:00 AM	HNO3	Groundwater
	24071452-054	8/2/2024 9:12:00 AM	HNO3	Groundwater
	24071452-055	8/2/2024 10:02:00 AM	HNO3	Groundwater

*Relinquished By: Date/Time: 8/12/24 1:10
Received By: Date/Time: 8/12/24 1300

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SubCocRevA
3/2/2016



TEKLAB, INC. Chain of Custody

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

Are the samples chilled?		YES	☐	NO	☒	With:		☐ Ice	☐ Blue Ice	Preserved in:		☐ Lab	☐ Field
TekLab Inc 5445 Horseshoe Lake Road Collinsville, IL 62234													
Cooler Temp:				Sampler:				QC Level:		2			
Project#		24071452		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:		36659							
						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
	24071452-056	8/6/2024 1:04:00 PM	HNO3	Groundwater
	24071452-057	8/7/2024 2:49:00 PM	HNO3	Aqueous
	24071452-058	8/6/2024 12:16:00 PM	HNO3	Groundwater
	24071452-059	8/6/2024 9:39:00 AM	HNO3	Groundwater
	24071452-060	8/5/2024 10:36:00 AM	HNO3	Groundwater
	24071452-061	8/6/2024 1:04:00 PM	HNO3	Groundwater
			HNO3	Aqueous
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater
			HNO3	Groundwater

Relinquished By	Date/Time	Received By	Date/Time
Anthony D'Amico	8/12/24 11:00	[Signature]	8/12/24 11:00
	8/12/24 13:00	M. J. Motta	8/12/24 13:00

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Thursday, September 12, 2024 1:42 PM
To: Erika Jordan
Subject: RE: Eurofins TestAmerica revised report files and invoice from 160-55036-1 Radium-226 and Radium-228

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

I was off a line in my revision request. 24071452-021 was correct at 1002. It's 24071452-022 that needed correction to 1227. Please correct these two.

We'll be implementing a system of review to catch these issues for comparison of the digital field file against the summary beginning with Q4 events. I had been comparing the summary to the field COCs, but that's where the errors have been.

Thanks,

Elizabeth Hurley
Director of Customer Service



Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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From: Erika Jordan <TALS@reports.et.eurofinsus.com>
Sent: Thursday, September 12, 2024 1:00 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica revised report files and invoice from 160-55036-1 Radium-226 and Radium-228

Hi Elizabeth!

Attached please find the requested revised report files and invoice for job 160-55036-1; Radium-226 and Radium-228

Do you send the sample receipt confirmation to the people in the field so they can review sample login information to confirm accurateness? If not, that would probably be the best solution. Make sure they review and approve before the reports come out.

Please feel free to contact me if you have any questions.

Thank you and have a good day!

Erika Jordan
Project Manager

Eurofins St. Louis

E-mail: erika.jordan@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-305853]
Attachments: 2

> > Bank information has changed, please refer to remittance information on invoice. < <

Erika Jordan

From: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Sent: Thursday, September 12, 2024 12:21 PM
To: Erika Jordan
Subject: RE: Eurofins TestAmerica invoice, EDD and report files from 160-55036-1 Radium-226 and Radium-228

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi, Erika,

Three transcription errors (field file to COC) have been identified for Teklab WO# 2401452. Will you please update the following collection times in a revised report?

24071452-009 collected 1336
24071452-012 collected 1019
24071452-021 collected 1227

The field operations supervisor and I are working together to put additional checks in place to avoid future revisions of this nature.

Thanks for your help.

Have a great day!

Elizabeth Hurley
Director of Customer Service



Teklab, Inc.
5445 Horseshoe Lake Road
Collinsville, IL 62234
Phone: (618) 344-1004 Ext. 33
Cell: (618) 791-8119
Fax: (618) 344-1005
E-mail: ehurley@teklabinc.com
www.teklabinc.com

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From: Erika Jordan <TALS@reports.et.eurofinsus.com>
Sent: Monday, September 9, 2024 1:31 PM
To: Elizabeth A. Hurley <EHurley@TekLabInc.com>
Subject: Eurofins TestAmerica invoice, EDD and report files from 160-55036-1 Radium-226 and Radium-228

Good afternoon!

Attached please find the invoice, EDD and report files for job 160-55036-1; Radium-226 and Radium-228

The samples were received on 8/12/2024 01:05 PM.

Please feel free to contact me if you have any questions.

Thank you and have a nice week!

Erika Jordan
Project Manager

Eurofins St. Louis

E-mail: erika.jordan@et.eurofinsus.com
www.eurofinsus.com/env



Reference: [160-305316]
Attachments: 4

> > [Bank information has changed, please refer to remittance information on invoice.](#) < <

Login Sample Receipt Checklist

Client: TekLab, Inc

Job Number: 160-55036-1

SDG Number: 24071452

Login Number: 55036

List Number: 1

Creator: Worthington, Sierra M

List Source: Eurofins St. Louis

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

Definitions/Glossary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
COP-845-10
SDG: 24071452

Qualifiers

Rad

Qualifier	Qualifier Description
U	Result is less than the sample detection limit.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Method Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

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 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

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

Job ID: 160-55036-1
SDG: 24071452

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55036-1	24071452-001	Water	08/02/24 10:26	08/12/24 13:05
160-55036-2	24071452-003	Water	08/01/24 11:48	08/12/24 13:05
160-55036-3	24071452-004	Water	08/05/24 15:16	08/12/24 13:05
160-55036-4	24071452-005	Water	08/01/24 13:55	08/12/24 13:05
160-55036-5	24071452-006	Water	08/01/24 13:09	08/12/24 13:05
160-55036-6	24071452-007	Water	08/01/24 12:36	08/12/24 13:05
160-55036-7	24071452-008	Water	08/06/24 12:16	08/12/24 13:05
160-55036-8	24071452-009	Water	07/30/24 13:36	08/12/24 13:05
160-55036-9	24071452-010	Water	07/30/24 13:06	08/12/24 13:05
160-55036-10	24071452-011	Water	07/30/24 11:09	08/12/24 13:05
160-55036-11	24071452-012	Water	08/01/24 10:19	08/12/24 13:05
160-55036-12	24071452-013	Water	08/01/24 11:15	08/12/24 13:05
160-55036-13	24071452-014	Water	08/06/24 11:19	08/12/24 13:05
160-55036-14	24071452-015	Water	08/06/24 09:39	08/12/24 13:05
160-55036-15	24071452-016	Water	07/31/24 10:03	08/12/24 13:05
160-55036-16	24071452-017	Water	07/31/24 11:16	08/12/24 13:05
160-55036-17	24071452-018	Water	08/07/24 13:03	08/12/24 13:05
160-55036-18	24071452-019	Water	08/07/24 10:29	08/12/24 13:05
160-55036-19	24071452-020	Water	07/31/24 11:24	08/12/24 13:05
160-55036-20	24071452-021	Water	07/31/24 10:02	08/12/24 13:05
160-55036-21	24071452-022	Water	08/01/24 12:27	08/12/24 13:05
160-55036-22	24071452-023	Water	08/01/24 12:14	08/12/24 13:05
160-55036-23	24071452-024	Water	07/31/24 12:33	08/12/24 13:05
160-55036-24	24071452-025	Water	07/30/24 12:39	08/12/24 13:05
160-55036-25	24071452-026	Water	07/30/24 10:56	08/12/24 13:05
160-55036-26	24071452-027	Water	07/30/24 11:50	08/12/24 13:05
160-55036-27	24071452-028	Water	07/30/24 10:13	08/12/24 13:05
160-55036-28	24071452-029	Water	08/07/24 13:52	08/12/24 13:05
160-55036-29	24071452-030	Water	08/07/24 11:25	08/12/24 13:05
160-55036-30	24071452-031	Water	08/07/24 12:03	08/12/24 13:05
160-55036-31	24071452-032	Water	08/05/24 10:36	08/12/24 13:05
160-55036-32	24071452-033	Water	08/05/24 11:43	08/12/24 13:05
160-55036-33	24071452-034	Water	07/31/24 13:49	08/12/24 13:05
160-55036-34	24071452-035	Water	08/01/24 10:28	08/12/24 13:05
160-55036-35	24071452-036	Water	08/01/24 09:44	08/12/24 13:05
160-55036-36	24071452-037	Water	08/01/24 12:13	08/12/24 13:05
160-55036-37	24071452-038	Water	08/01/24 11:41	08/12/24 13:05
160-55036-38	24071452-039	Water	08/01/24 12:56	08/12/24 13:05
160-55036-39	24071452-040	Water	08/01/24 13:47	08/12/24 13:05
160-55036-40	24071452-041	Water	08/05/24 12:55	08/12/24 13:05
160-55036-41	24071452-042	Water	07/31/24 12:53	08/12/24 13:05
160-55036-42	24071452-043	Water	07/31/24 11:48	08/12/24 13:05
160-55036-43	24071452-044	Water	07/31/24 10:52	08/12/24 13:05
160-55036-44	24071452-045	Water	07/31/24 14:38	08/12/24 13:05
160-55036-45	24071452-046	Water	07/31/24 09:53	08/12/24 13:05
160-55036-46	24071452-047	Water	08/02/24 09:24	08/12/24 13:05
160-55036-47	24071452-048	Water	08/01/24 14:16	08/12/24 13:05
160-55036-48	24071452-049	Water	08/01/24 09:16	08/12/24 13:05
160-55036-49	24071452-050	Water	07/31/24 12:19	08/12/24 13:05
160-55036-50	24071452-051	Water	07/31/24 12:57	08/12/24 13:05
160-55036-51	24071452-052	Water	08/01/24 10:00	08/12/24 13:05
160-55036-52	24071452-053	Water	08/01/24 10:51	08/12/24 13:05
160-55036-53	24071452-054	Water	08/02/24 09:12	08/12/24 13:05
160-55036-54	24071452-055	Water	08/02/24 10:02	08/12/24 13:05

Sample Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
160-55036-55	24071452-056	Water	08/06/24 13:04	08/12/24 13:05
160-55036-56	24071452-057	Water	08/07/24 14:49	08/12/24 13:05
160-55036-57	24071452-058	Water	08/06/24 12:16	08/12/24 13:05
160-55036-58	24071452-059	Water	08/06/24 09:39	08/12/24 13:05
160-55036-59	24071452-060	Water	08/05/24 10:36	08/12/24 13:05
160-55036-60	24071452-061	Water	08/06/24 13:04	08/12/24 13:05

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-001

Lab Sample ID: 160-55036-1

Date Collected: 08/02/24 10:26

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.111		0.0659	0.0666	1.00	0.0782	pCi/L	08/13/24 06:32	09/04/24 15:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					08/13/24 06:32	09/04/24 15:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.16		0.456	0.469	1.00	0.585	pCi/L	08/13/24 06:35	08/22/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					08/13/24 06:35	08/22/24 12:04	1
Y Carrier	78.1		30 - 110					08/13/24 06:35	08/22/24 12:04	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.27		0.461	0.474	5.00	0.585	pCi/L		09/09/24 09:26	1

Client Sample ID: 24071452-003

Lab Sample ID: 160-55036-2

Date Collected: 08/01/24 11:48

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 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	0.0719	0.0724	1.00	0.102	pCi/L	08/13/24 06:32	09/04/24 15:39	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/13/24 06:32	09/04/24 15:39	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.566	U	0.453	0.456	1.00	0.702	pCi/L	08/13/24 06:35	08/22/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/13/24 06:35	08/22/24 12:04	1
Y Carrier	71.8		30 - 110					08/13/24 06:35	08/22/24 12:04	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-004

Lab Sample ID: 160-55036-3

Date Collected: 08/05/24 15:16

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.00348	U	0.0485	0.0485	1.00	0.102	pCi/L	08/13/24 06:32	09/04/24 15:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/13/24 06:32	09/04/24 15:40	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.431	U	0.359	0.361	1.00	0.558	pCi/L	08/13/24 06:35	08/22/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/13/24 06:35	08/22/24 12:04	1
Y Carrier	75.5		30 - 110					08/13/24 06:35	08/22/24 12:04	1

Client Sample ID: 24071452-005

Lab Sample ID: 160-55036-4

Date Collected: 08/01/24 13:55

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0828	U	0.0708	0.0712	1.00	0.107	pCi/L	08/13/24 06:32	09/04/24 15:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					08/13/24 06:32	09/04/24 15:40	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.880		0.386	0.394	1.00	0.503	pCi/L	08/13/24 06:35	08/22/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					08/13/24 06:35	08/22/24 12:04	1
Y Carrier	81.1		30 - 110					08/13/24 06:35	08/22/24 12:04	1

Client Sample ID: 24071452-006

Lab Sample ID: 160-55036-5

Date Collected: 08/01/24 13:09

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0962	U	0.0774	0.0778	1.00	0.115	pCi/L	08/13/24 06:32	09/04/24 15:40	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/13/24 06:32	09/04/24 15:40	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-006

Lab Sample ID: 160-55036-5

Date Collected: 08/01/24 13:09

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 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		0.354	0.359	1.00	0.496	pCi/L	08/13/24 06:35	08/22/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.2		30 - 110					08/13/24 06:35	08/22/24 12:05	1
Y Carrier	90.5		30 - 110					08/13/24 06:35	08/22/24 12:05	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.756		0.362	0.367	5.00	0.496	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-007

Lab Sample ID: 160-55036-6

Date Collected: 08/01/24 12:36

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.140		0.0907	0.0916	1.00	0.125	pCi/L	08/13/24 06:32	09/04/24 15:41	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.9		30 - 110					08/13/24 06:32	09/04/24 15:41	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0170	U	0.327	0.327	1.00	0.606	pCi/L	08/13/24 06:35	08/22/24 12:04	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	76.9		30 - 110					08/13/24 06:35	08/22/24 12:04	1
Y Carrier	85.2		30 - 110					08/13/24 06:35	08/22/24 12:04	1

Client Sample ID: 24071452-008

Lab Sample ID: 160-55036-7

Date Collected: 08/06/24 12:16

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 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	0.0866	0.0869	1.00	0.137	pCi/L	08/13/24 06:37	09/04/24 21:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		30 - 110					08/13/24 06:37	09/04/24 21:13	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-008

Date Collected: 08/06/24 12:16

Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-7

Matrix: Water

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.405	U	0.384	0.386	1.00	0.614	pCi/L	08/13/24 06:38	08/26/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		30 - 110					08/13/24 06:38	08/26/24 12:05	1
Y Carrier	75.9		30 - 110					08/13/24 06:38	08/26/24 12:05	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.491	U	0.394	0.396	5.00	0.614	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-009

Date Collected: 07/30/24 13:36

Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-8

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.136		0.0773	0.0783	1.00	0.0919	pCi/L	08/13/24 06:37	09/04/24 21:13	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					08/13/24 06:37	09/04/24 21:13	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.490	U	0.436	0.438	1.00	0.690	pCi/L	08/13/24 06:38	08/26/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	82.3		30 - 110					08/13/24 06:38	08/26/24 12:05	1
Y Carrier	76.3		30 - 110					08/13/24 06:38	08/26/24 12:05	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.626	U	0.443	0.445	5.00	0.690	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-010

Date Collected: 07/30/24 13:06

Date Received: 08/12/24 13:05

Lab Sample ID: 160-55036-9

Matrix: Water

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.175		0.0962	0.0975	1.00	0.122	pCi/L	08/13/24 06:37	09/04/24 21:13	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-010

Lab Sample ID: 160-55036-9

Date Collected: 07/30/24 13:06

Matrix: Water

Date Received: 08/12/24 13:05

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110	08/13/24 06:37	09/04/24 21:13	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	0.828		0.379	0.387	1.00	0.495	pCi/L	08/13/24 06:38	08/26/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/13/24 06:38	08/26/24 12:05	1
Y Carrier	81.9		30 - 110					08/13/24 06:38	08/26/24 12:05	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.00		0.391	0.399	5.00	0.495	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-011

Lab Sample ID: 160-55036-10

Date Collected: 07/30/24 11:09

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

			Count	Total						
			Uncert.	Uncert.						
Analyte	Result	Qualifier	(2σ+/-)	(2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.112		0.0739	0.0745	1.00	0.0975	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	87.5		30 - 110							
								Prepared	Analyzed	Dil Fac
								08/13/24 06:37	09/04/24 21:14	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	0.416	U	0.345	0.347	1.00	0.535	pCi/L	08/13/24 06:38	08/26/24 12:05	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.5		30 - 110					08/13/24 06:38	08/26/24 12:05	1
Y Carrier	83.4		30 - 110					08/13/24 06:38	08/26/24 12:05	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.528	U	0.353	0.355	5.00	0.535	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-012

Lab Sample ID: 160-55036-11

Date Collected: 08/01/24 10:19

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0125	U	0.0690	0.0690	1.00	0.132	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.0		30 - 110					08/13/24 06:37	09/04/24 21:14	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	0.706		0.411	0.416	1.00	0.589	pCi/L	08/13/24 06:38	08/26/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.0		30 - 110					08/13/24 06:38	08/26/24 12:06	1
Y Carrier	80.0		30 - 110					08/13/24 06:38	08/26/24 12:06	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.719		0.417	0.422	5.00	0.589	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-013

Lab Sample ID: 160-55036-12

Date Collected: 08/01/24 11:15

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00662	U	0.0755	0.0755	1.00	0.147	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					08/13/24 06:37	09/04/24 21:14	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	-0.0433	U	0.282	0.282	1.00	0.548	pCi/L	08/13/24 06:38	08/26/24 12:06	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					08/13/24 06:38	08/26/24 12:06	1
Y Carrier	81.1		30 - 110					08/13/24 06:38	08/26/24 12:06	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.00662	U	0.292	0.292	5.00	0.548	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-014

Lab Sample ID: 160-55036-13

Date Collected: 08/06/24 11:19

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 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	0.0837	0.0844	1.00	0.123	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		30 - 110					08/13/24 06:37	09/04/24 21:14	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	0.304	U	0.350	0.351	1.00	0.575	pCi/L	08/13/24 06:38	08/26/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.1		30 - 110					08/13/24 06:38	08/26/24 12:07	1
Y Carrier	81.5		30 - 110					08/13/24 06:38	08/26/24 12:07	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.418	U	0.360	0.361	5.00	0.575	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-015

Lab Sample ID: 160-55036-14

Date Collected: 08/06/24 09:39

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0696	U	0.0686	0.0689	1.00	0.107	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					08/13/24 06:37	09/04/24 21:14	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	0.114	U	0.286	0.286	1.00	0.503	pCi/L	08/13/24 06:38	08/26/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					08/13/24 06:38	08/26/24 12:07	1
Y Carrier	84.9		30 - 110					08/13/24 06:38	08/26/24 12:07	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.184	U	0.294	0.294	5.00	0.503	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-016

Lab Sample ID: 160-55036-15

Date Collected: 07/31/24 10:03

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.354		0.132	0.136	1.00	0.133	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					08/13/24 06:37	09/04/24 21:14	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	0.656	U	0.479	0.482	1.00	0.728	pCi/L	08/13/24 06:38	08/26/24 12:07	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.4		30 - 110					08/13/24 06:38	08/26/24 12:07	1
Y Carrier	80.7		30 - 110					08/13/24 06:38	08/26/24 12:07	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.01		0.497	0.501	5.00	0.728	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-017

Lab Sample ID: 160-55036-16

Date Collected: 07/31/24 11:16

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0640	U	0.0677	0.0680	1.00	0.108	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/13/24 06:37	09/04/24 21:14	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	0.0603	U	0.264	0.264	1.00	0.481	pCi/L	08/13/24 06:38	08/26/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/13/24 06:38	08/26/24 12:08	1
Y Carrier	87.1		30 - 110					08/13/24 06:38	08/26/24 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	0.124	U	0.273	0.273	5.00	0.481	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-018

Lab Sample ID: 160-55036-17

Date Collected: 08/07/24 13:03

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.252		0.120	0.122	1.00	0.140	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/13/24 06:37	09/04/24 21:14	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	0.457	U	0.435	0.437	1.00	0.694	pCi/L	08/13/24 06:38	08/26/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.7		30 - 110					08/13/24 06:38	08/26/24 12:08	1
Y Carrier	88.6		30 - 110					08/13/24 06:38	08/26/24 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	0.709		0.451	0.454	5.00	0.694	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-019

Lab Sample ID: 160-55036-18

Date Collected: 08/07/24 10:29

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.160		0.109	0.110	1.00	0.152	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					08/13/24 06:37	09/04/24 21:14	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	-0.0757	U	0.413	0.413	1.00	0.788	pCi/L	08/13/24 06:38	08/26/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					08/13/24 06:38	08/26/24 12:08	1
Y Carrier	80.4		30 - 110					08/13/24 06:38	08/26/24 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	0.160	U	0.427	0.427	5.00	0.788	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-020

Lab Sample ID: 160-55036-19

Date Collected: 07/31/24 11:24

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0862	U	0.0760	0.0764	1.00	0.115	pCi/L	08/13/24 06:37	09/04/24 21:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		30 - 110					08/13/24 06:37	09/04/24 21:14	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	0.226	U	0.304	0.305	1.00	0.510	pCi/L	08/13/24 06:38	08/26/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.2		30 - 110					08/13/24 06:38	08/26/24 12:08	1
Y Carrier	85.2		30 - 110					08/13/24 06:38	08/26/24 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	0.312	U	0.313	0.314	5.00	0.510	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-021

Lab Sample ID: 160-55036-20

Date Collected: 07/31/24 10:02

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0640	U	0.0644	0.0647	1.00	0.100	pCi/L	08/13/24 06:37	09/04/24 21:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110					08/13/24 06:37	09/04/24 21:17	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.119	U	0.269	0.270	1.00	0.544	pCi/L	08/13/24 06:38	08/26/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.4		30 - 110					08/13/24 06:38	08/26/24 12:08	1
Y Carrier	84.5		30 - 110					08/13/24 06:38	08/26/24 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	0.0640	U	0.277	0.278	5.00	0.544	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-022

Lab Sample ID: 160-55036-21

Date Collected: 08/01/24 12:27

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0507	U	0.0750	0.0751	1.00	0.128	pCi/L	08/13/24 06:37	09/04/24 21:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					08/13/24 06:37	09/04/24 21:17	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.555	U	0.452	0.455	1.00	0.705	pCi/L	08/13/24 06:38	08/26/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.8		30 - 110					08/13/24 06:38	08/26/24 12:08	1
Y Carrier	86.4		30 - 110					08/13/24 06:38	08/26/24 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	0.605	U	0.458	0.461	5.00	0.705	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-023

Lab Sample ID: 160-55036-22

Date Collected: 08/01/24 12:14

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.362		0.166	0.169	1.00	0.209	pCi/L	08/13/24 06:37	09/04/24 21:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.1		30 - 110					08/13/24 06:37	09/04/24 21:17	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.755	U	0.592	0.596	1.00	0.916	pCi/L	08/13/24 06:38	08/26/24 12:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	79.1		30 - 110					08/13/24 06:38	08/26/24 12:08	1
Y Carrier	82.6		30 - 110					08/13/24 06:38	08/26/24 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	1.12		0.615	0.619	5.00	0.916	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-024

Lab Sample ID: 160-55036-23

Date Collected: 07/31/24 12:33

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 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		0.0893	0.0906	1.00	0.113	pCi/L	08/13/24 06:37	09/04/24 21:17	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/13/24 06:37	09/04/24 21:17	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.454	U	0.346	0.348	1.00	0.527	pCi/L	08/13/24 06:38	08/26/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/13/24 06:38	08/26/24 12:10	1
Y Carrier	81.9		30 - 110					08/13/24 06:38	08/26/24 12:10	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.623		0.357	0.360	5.00	0.527	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-025

Lab Sample ID: 160-55036-24

Date Collected: 07/30/24 12:39

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0903		0.0643	0.0649	1.00	0.0875	pCi/L	08/13/24 06:37	09/04/24 21:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					08/13/24 06:37	09/04/24 21:18	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.411	U	0.368	0.370	1.00	0.584	pCi/L	08/13/24 06:38	08/26/24 12:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					08/13/24 06:38	08/26/24 12:10	1
Y Carrier	83.4		30 - 110					08/13/24 06:38	08/26/24 12:10	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.502	U	0.374	0.376	5.00	0.584	pCi/L		09/09/24 10:52	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-026

Lab Sample ID: 160-55036-25

Date Collected: 07/30/24 10:56

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.178		0.0840	0.0855	1.00	0.0979	pCi/L	08/13/24 06:37	09/04/24 21:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					08/13/24 06:37	09/04/24 21:18	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.172	U	0.246	0.247	1.00	0.514	pCi/L	08/13/24 06:38	08/26/24 12:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	99.0		30 - 110					08/13/24 06:38	08/26/24 12:11	1
Y Carrier	81.9		30 - 110					08/13/24 06:38	08/26/24 12:11	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.178	U	0.260	0.261	5.00	0.514	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-027

Lab Sample ID: 160-55036-26

Date Collected: 07/30/24 11:50

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 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		0.0745	0.0753	1.00	0.0953	pCi/L	08/13/24 06:37	09/04/24 21:18	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					08/13/24 06:37	09/04/24 21:18	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.179	U	0.368	0.368	1.00	0.645	pCi/L	08/13/24 06:38	08/26/24 14:32	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	91.6		30 - 110					08/13/24 06:38	08/26/24 14:32	1
Y Carrier	82.2		30 - 110					08/13/24 06:38	08/26/24 14:32	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.301	U	0.375	0.376	5.00	0.645	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-028

Lab Sample ID: 160-55036-27

Date Collected: 07/30/24 10:13

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.258		0.116	0.118	1.00	0.115	pCi/L	08/13/24 06:44	09/04/24 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					08/13/24 06:44	09/04/24 21:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.409	U	0.433	0.435	1.00	0.701	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	79.3		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.667	U	0.448	0.451	5.00	0.701	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-029

Lab Sample ID: 160-55036-28

Date Collected: 08/07/24 13:52

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.393		0.118	0.123	1.00	0.101	pCi/L	08/13/24 06:44	09/04/24 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					08/13/24 06:44	09/04/24 21:19	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.869		0.377	0.386	1.00	0.493	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	81.1		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.26		0.395	0.405	5.00	0.493	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-030

Lab Sample ID: 160-55036-29

Date Collected: 08/07/24 11:25

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.123		0.0799	0.0806	1.00	0.105	pCi/L	08/13/24 06:44	09/04/24 23:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/13/24 06:44	09/04/24 23:08	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	0.660		0.356	0.361	1.00	0.491	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	83.4		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.783		0.365	0.370	5.00	0.491	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-031

Lab Sample ID: 160-55036-30

Date Collected: 08/07/24 12:03

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.461		0.131	0.137	1.00	0.108	pCi/L	08/13/24 06:44	09/04/24 23:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					08/13/24 06:44	09/04/24 23:08	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	1.28		0.433	0.449	1.00	0.511	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.7		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	84.5		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.74		0.452	0.469	5.00	0.511	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-032

Lab Sample ID: 160-55036-31

Date Collected: 08/05/24 10:36

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.127	U	0.101	0.101	1.00	0.152	pCi/L	08/13/24 06:44	09/04/24 23:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					08/13/24 06:44	09/04/24 23:08	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	0.634	U	0.428	0.432	1.00	0.649	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.0		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	83.7		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.760		0.440	0.444	5.00	0.649	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-033

Lab Sample ID: 160-55036-32

Date Collected: 08/05/24 11:43

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.170		0.0955	0.0967	1.00	0.124	pCi/L	08/13/24 06:44	09/04/24 23:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					08/13/24 06:44	09/04/24 23:08	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	0.353	U	0.350	0.351	1.00	0.562	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	85.5		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	81.5		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.523	U	0.363	0.364	5.00	0.562	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-034

Lab Sample ID: 160-55036-33

Date Collected: 07/31/24 13:49

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0691	U	0.0641	0.0644	1.00	0.0965	pCi/L	08/13/24 06:44	09/04/24 23:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					08/13/24 06:44	09/04/24 23:08	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	0.425	U	0.312	0.315	1.00	0.470	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	88.9		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	84.9		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.494		0.319	0.322	5.00	0.470	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-035

Lab Sample ID: 160-55036-34

Date Collected: 08/01/24 10:28

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.142		0.0832	0.0842	1.00	0.107	pCi/L	08/13/24 06:44	09/04/24 23:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/13/24 06:44	09/04/24 23:08	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	-0.0575	U	0.242	0.242	1.00	0.478	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.1		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	84.5		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.142	U	0.256	0.256	5.00	0.478	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-036

Lab Sample ID: 160-55036-35

Date Collected: 08/01/24 09:44

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0770	U	0.0831	0.0834	1.00	0.132	pCi/L	08/13/24 06:44	09/04/24 23:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.2		30 - 110					08/13/24 06:44	09/04/24 23:08	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	0.127	U	0.376	0.376	1.00	0.671	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.2		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	86.7		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.204	U	0.385	0.385	5.00	0.671	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-037

Lab Sample ID: 160-55036-36

Date Collected: 08/01/24 12:13

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 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		0.0792	0.0803	1.00	0.0950	pCi/L	08/13/24 06:44	09/04/24 23:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/13/24 06:44	09/04/24 23:10	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	1.10		0.405	0.418	1.00	0.501	pCi/L	08/13/24 06:46	08/27/24 11:55	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/13/24 06:46	08/27/24 11:55	1
Y Carrier	83.7		30 - 110					08/13/24 06:46	08/27/24 11:55	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.25		0.413	0.426	5.00	0.501	pCi/L		09/09/24 10:52	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-038

Lab Sample ID: 160-55036-37

Date Collected: 08/01/24 11:41

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0431	U	0.0604	0.0605	1.00	0.102	pCi/L	08/13/24 06:44	09/04/24 23:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					08/13/24 06:44	09/04/24 23:10	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	1.68		0.481	0.505	1.00	0.525	pCi/L	08/13/24 06:46	08/27/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					08/13/24 06:46	08/27/24 11:56	1
Y Carrier	83.4		30 - 110					08/13/24 06:46	08/27/24 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	1.72		0.485	0.509	5.00	0.525	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-039

Lab Sample ID: 160-55036-38

Date Collected: 08/01/24 12:56

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0414	U	0.0503	0.0504	1.00	0.0815	pCi/L	08/13/24 06:44	09/04/24 23:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		30 - 110					08/13/24 06:44	09/04/24 23:10	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	1.14		0.396	0.410	1.00	0.469	pCi/L	08/13/24 06:46	08/27/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.9		30 - 110					08/13/24 06:46	08/27/24 11:56	1
Y Carrier	83.4		30 - 110					08/13/24 06:46	08/27/24 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	1.18		0.399	0.413	5.00	0.469	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-040

Lab Sample ID: 160-55036-39

Date Collected: 08/01/24 13:47

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.0173	U	0.0424	0.0425	1.00	0.102	pCi/L	08/13/24 06:44	09/04/24 23:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/13/24 06:44	09/04/24 23:10	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	0.105	U	0.329	0.329	1.00	0.588	pCi/L	08/13/24 06:46	08/27/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.6		30 - 110					08/13/24 06:46	08/27/24 11:56	1
Y Carrier	70.7		30 - 110					08/13/24 06:46	08/27/24 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	0.105	U	0.332	0.332	5.00	0.588	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-041

Lab Sample ID: 160-55036-40

Date Collected: 08/05/24 12:55

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0496	U	0.0668	0.0670	1.00	0.112	pCi/L	08/13/24 06:44	09/04/24 23:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					08/13/24 06:44	09/04/24 23:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0506	U	0.325	0.325	1.00	0.600	pCi/L	08/13/24 06:46	08/27/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.9		30 - 110					08/13/24 06:46	08/27/24 11:56	1
Y Carrier	68.0		30 - 110					08/13/24 06:46	08/27/24 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	0.100	U	0.332	0.332	5.00	0.600	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-042

Lab Sample ID: 160-55036-41

Date Collected: 07/31/24 12:53

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0883	U	0.0808	0.0811	1.00	0.124	pCi/L	08/13/24 06:44	09/04/24 23:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					08/13/24 06:44	09/04/24 23:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.34		0.452	0.469	1.00	0.521	pCi/L	08/13/24 06:46	08/27/24 11:56	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					08/13/24 06:46	08/27/24 11:56	1
Y Carrier	78.1		30 - 110					08/13/24 06:46	08/27/24 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	1.43		0.459	0.476	5.00	0.521	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-043

Lab Sample ID: 160-55036-42

Date Collected: 07/31/24 11:48

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.297		0.114	0.117	1.00	0.125	pCi/L	08/13/24 06:44	09/04/24 23:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/13/24 06:44	09/04/24 23:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.906		0.418	0.426	1.00	0.568	pCi/L	08/13/24 06:46	08/27/24 11:53	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/13/24 06:46	08/27/24 11:53	1
Y Carrier	78.9		30 - 110					08/13/24 06:46	08/27/24 11:53	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.20		0.433	0.442	5.00	0.568	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-044

Lab Sample ID: 160-55036-43

Date Collected: 07/31/24 10:52

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.600		0.150	0.159	1.00	0.122	pCi/L	08/13/24 06:44	09/04/24 23:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					08/13/24 06:44	09/04/24 23:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.285	U	0.312	0.313	1.00	0.508	pCi/L	08/13/24 06:46	08/27/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	92.4		30 - 110					08/13/24 06:46	08/27/24 11:54	1
Y Carrier	80.4		30 - 110					08/13/24 06:46	08/27/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.885		0.346	0.351	5.00	0.508	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-045

Lab Sample ID: 160-55036-44

Date Collected: 07/31/24 14:38

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.000	U	0.0596	0.0596	1.00	0.122	pCi/L	08/13/24 06:44	09/04/24 23:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					08/13/24 06:44	09/04/24 23:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.742		0.395	0.401	1.00	0.565	pCi/L	08/13/24 06:46	08/27/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					08/13/24 06:46	08/27/24 11:54	1
Y Carrier	84.5		30 - 110					08/13/24 06:46	08/27/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.742		0.399	0.405	5.00	0.565	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-046

Lab Sample ID: 160-55036-45

Date Collected: 07/31/24 09:53

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.164		0.0981	0.0992	1.00	0.133	pCi/L	08/13/24 06:44	09/04/24 23:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					08/13/24 06:44	09/04/24 23:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.0275	U	0.353	0.353	1.00	0.643	pCi/L	08/13/24 06:46	08/27/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.0		30 - 110					08/13/24 06:46	08/27/24 11:54	1
Y Carrier	81.9		30 - 110					08/13/24 06:46	08/27/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.192	U	0.366	0.367	5.00	0.643	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-047

Lab Sample ID: 160-55036-46

Date Collected: 08/02/24 09:24

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0526	U	0.0615	0.0617	1.00	0.0996	pCi/L	08/13/24 06:44	09/04/24 23:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.7		30 - 110					08/13/24 06:44	09/04/24 23:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.106	U	0.314	0.314	1.00	0.557	pCi/L	08/13/24 06:46	08/27/24 11:54	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.7		30 - 110					08/13/24 06:46	08/27/24 11:54	1
Y Carrier	85.6		30 - 110					08/13/24 06:46	08/27/24 11:54	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	0.159	U	0.320	0.320	5.00	0.557	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-048

Lab Sample ID: 160-55036-47

Date Collected: 08/01/24 14:16

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00531	U	0.0745	0.0745	1.00	0.143	pCi/L	08/14/24 07:22	09/05/24 15:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					08/14/24 07:22	09/05/24 15:08	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	0.937		0.412	0.421	1.00	0.529	pCi/L	08/14/24 07:27	08/26/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	87.2		30 - 110					08/14/24 07:27	08/26/24 11:50	1
Y Carrier	75.5		30 - 110					08/14/24 07:27	08/26/24 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	0.942		0.419	0.428	5.00	0.529	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-049

Lab Sample ID: 160-55036-48

Date Collected: 08/01/24 09:16

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0194	U	0.0645	0.0645	1.00	0.121	pCi/L	08/14/24 07:22	09/05/24 15:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.5		30 - 110					08/14/24 07:22	09/05/24 15:08	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	0.518	U	0.465	0.467	1.00	0.733	pCi/L	08/14/24 07:27	08/26/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.5		30 - 110					08/14/24 07:27	08/26/24 11:50	1
Y Carrier	60.9		30 - 110					08/14/24 07:27	08/26/24 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	0.537	U	0.469	0.471	5.00	0.733	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-050

Lab Sample ID: 160-55036-49

Date Collected: 07/31/24 12:19

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0643	U	0.0565	0.0568	1.00	0.0819	pCi/L	08/14/24 07:22	09/05/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/14/24 07:22	09/05/24 15:10	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	0.397	U	0.354	0.356	1.00	0.558	pCi/L	08/14/24 07:27	08/26/24 11:50	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.4		30 - 110					08/14/24 07:27	08/26/24 11:50	1
Y Carrier	77.4		30 - 110					08/14/24 07:27	08/26/24 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	0.462	U	0.358	0.361	5.00	0.558	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-051

Lab Sample ID: 160-55036-50

Date Collected: 07/31/24 12:57

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0427	U	0.0595	0.0596	1.00	0.101	pCi/L	08/14/24 07:22	09/05/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					08/14/24 07:22	09/05/24 15:10	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	0.897		0.423	0.431	1.00	0.559	pCi/L	08/14/24 07:27	08/26/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	93.6		30 - 110					08/14/24 07:27	08/26/24 11:51	1
Y Carrier	66.2		30 - 110					08/14/24 07:27	08/26/24 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	0.940		0.427	0.435	5.00	0.559	pCi/L		09/09/24 10:52	1

Eurofins St. Louis

Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-052

Lab Sample ID: 160-55036-51

Date Collected: 08/01/24 10:00

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.00670	U	0.0539	0.0539	1.00	0.108	pCi/L	08/14/24 07:22	09/05/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		30 - 110					08/14/24 07:22	09/05/24 15:10	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	0.704		0.434	0.438	1.00	0.633	pCi/L	08/14/24 07:27	08/26/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		30 - 110					08/14/24 07:27	08/26/24 11:51	1
Y Carrier	71.4		30 - 110					08/14/24 07:27	08/26/24 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	0.710		0.437	0.441	5.00	0.633	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-053

Lab Sample ID: 160-55036-52

Date Collected: 08/01/24 10:51

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0425	U	0.0585	0.0586	1.00	0.0987	pCi/L	08/14/24 07:22	09/05/24 15:10	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		30 - 110					08/14/24 07:22	09/05/24 15:10	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	3.36		0.676	0.743	1.00	0.579	pCi/L	08/14/24 07:27	08/26/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	86.5		30 - 110					08/14/24 07:27	08/26/24 11:51	1
Y Carrier	70.3		30 - 110					08/14/24 07:27	08/26/24 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	3.40		0.679	0.745	5.00	0.579	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-054

Lab Sample ID: 160-55036-53

Date Collected: 08/02/24 09:12

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0866	U	0.0647	0.0652	1.00	0.0897	pCi/L	08/14/24 07:22	09/05/24 15:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		30 - 110					08/14/24 07:22	09/05/24 15:11	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	0.950		0.432	0.441	1.00	0.577	pCi/L	08/14/24 07:27	08/26/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		30 - 110					08/14/24 07:27	08/26/24 11:51	1
Y Carrier	71.4		30 - 110					08/14/24 07:27	08/26/24 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	1.04		0.437	0.446	5.00	0.577	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-055

Lab Sample ID: 160-55036-54

Date Collected: 08/02/24 10:02

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0957		0.0654	0.0660	1.00	0.0859	pCi/L	08/14/24 07:22	09/05/24 15:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		30 - 110					08/14/24 07:22	09/05/24 15:11	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	0.802		0.396	0.402	1.00	0.538	pCi/L	08/14/24 07:27	08/26/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.1		30 - 110					08/14/24 07:27	08/26/24 11:51	1
Y Carrier	76.6		30 - 110					08/14/24 07:27	08/26/24 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	0.898		0.401	0.407	5.00	0.538	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-056

Lab Sample ID: 160-55036-55

Date Collected: 08/06/24 13:04

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.276		0.100	0.103	1.00	0.0930	pCi/L	08/14/24 07:22	09/05/24 15:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110					08/14/24 07:22	09/05/24 15:11	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	0.316	U	0.343	0.344	1.00	0.557	pCi/L	08/14/24 07:27	08/26/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	89.4		30 - 110					08/14/24 07:27	08/26/24 11:51	1
Y Carrier	71.4		30 - 110					08/14/24 07:27	08/26/24 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	0.591		0.357	0.359	5.00	0.557	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-057

Lab Sample ID: 160-55036-56

Date Collected: 08/07/24 14:49

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0432	U	0.0463	0.0465	1.00	0.0721	pCi/L	08/14/24 07:22	09/05/24 15:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					08/14/24 07:22	09/05/24 15:11	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	0.430	U	0.329	0.331	1.00	0.503	pCi/L	08/14/24 07:27	08/26/24 11:51	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	102		30 - 110					08/14/24 07:27	08/26/24 11:51	1
Y Carrier	74.8		30 - 110					08/14/24 07:27	08/26/24 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	0.473	U	0.332	0.334	5.00	0.503	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-058

Lab Sample ID: 160-55036-57

Date Collected: 08/06/24 12:16

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0754	U	0.0645	0.0648	1.00	0.0953	pCi/L	08/14/24 07:22	09/05/24 15:11	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					08/14/24 07:22	09/05/24 15:11	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	0.329	U	0.313	0.315	1.00	0.498	pCi/L	08/14/24 07:27	08/26/24 11:52	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	95.6		30 - 110					08/14/24 07:27	08/26/24 11:52	1
Y Carrier	78.1		30 - 110					08/14/24 07:27	08/26/24 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	0.405	U	0.320	0.322	5.00	0.498	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-059

Lab Sample ID: 160-55036-58

Date Collected: 08/06/24 09:39

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.0973		0.0634	0.0640	1.00	0.0778	pCi/L	08/14/24 07:22	09/05/24 15:12	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					08/14/24 07:22	09/05/24 15:12	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	1.11		0.494	0.504	1.00	0.663	pCi/L	08/14/24 07:27	08/26/24 12:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	90.9		30 - 110					08/14/24 07:27	08/26/24 12:02	1
Y Carrier	68.4		30 - 110					08/14/24 07:27	08/26/24 12:02	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.21		0.498	0.508	5.00	0.663	pCi/L		09/09/24 10:52	1

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Client Sample Results

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

ATTACHMENT B.
245 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Client Sample ID: 24071452-060

Lab Sample ID: 160-55036-59

Date Collected: 08/05/24 10:36

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.103	U	0.0781	0.0786	1.00	0.114	pCi/L	08/14/24 07:22	09/05/24 15:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					08/14/24 07:22	09/05/24 15:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.973		0.480	0.489	1.00	0.653	pCi/L	08/14/24 07:27	08/26/24 12:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.3		30 - 110					08/14/24 07:27	08/26/24 12:02	1
Y Carrier	61.7		30 - 110					08/14/24 07:27	08/26/24 12:02	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.08		0.486	0.495	5.00	0.653	pCi/L		09/09/24 10:52	1

Client Sample ID: 24071452-061

Lab Sample ID: 160-55036-60

Date Collected: 08/06/24 13:04

Matrix: Water

Date Received: 08/12/24 13:05

Method: EPA 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.124		0.0877	0.0884	1.00	0.124	pCi/L	08/14/24 07:22	09/05/24 15:14	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.5		30 - 110					08/14/24 07:22	09/05/24 15:14	1

Method: EPA 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.956		0.578	0.585	1.00	0.852	pCi/L	08/14/24 07:27	08/26/24 12:02	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.5		30 - 110					08/14/24 07:27	08/26/24 12:02	1
Y Carrier	60.6		30 - 110					08/14/24 07:27	08/26/24 12:02	1

Method: TAL-STL Ra226_Ra228 Pos - Combined Radium-226 and Radium-228

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium 226 and 228	1.08		0.585	0.592	5.00	0.852	pCi/L		09/09/24 10:52	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Method: 903.0 - Radium-226 (GFPC)

Lab Sample ID: MB 160-674779/1-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674779

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.05196	U	0.0539	0.0541	1.00	0.0843	pCi/L	08/13/24 06:32	09/04/24 08:13	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	98.5		30 - 110					08/13/24 06:32	09/04/24 08:13	1

Lab Sample ID: LCS 160-674779/2-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674779

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	8.736		0.940	1.00	0.130	pCi/L	91	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	91.9		30 - 110							

Lab Sample ID: MB 160-674782/1-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674782

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.04374	U	0.0755	0.0756	1.00	0.132	pCi/L	08/13/24 06:37	09/04/24 21:13	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/13/24 06:37	09/04/24 21:13	1

Lab Sample ID: LCS 160-674782/2-A
Matrix: Water
Analysis Batch: 677983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674782

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226		9.58	9.941		1.05	1.00	0.0954	pCi/L	104	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits							
Ba Carrier	92.1		30 - 110							

Lab Sample ID: 160-55036-11 DU
Matrix: Water
Analysis Batch: 677983

Client Sample ID: 24071452-012
Prep Type: Total/NA
Prep Batch: 674782

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0125	U	0.1083	U	0.0954	1.00	0.147	pCi/L	0.58	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEE POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: 160-55036-11 DU
Matrix: Water
Analysis Batch: 677983

Client Sample ID: 24071452-012
Prep Type: Total/NA
Prep Batch: 674782

	DU	DU	
Carrier	%Yield	Qualifier	Limits
Ba Carrier	87.5		30 - 110

Lab Sample ID: MB 160-674785/1-A
Matrix: Water
Analysis Batch: 677964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674785

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.08137	U	0.0646	0.0650	1.00	0.0918	pCi/L	08/13/24 06:44	09/04/24 21:19	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					08/13/24 06:44	09/04/24 21:19	1

Lab Sample ID: LCS 160-674785/2-A
Matrix: Water
Analysis Batch: 677964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674785

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-226	9.58	9.865		1.04	1.00	0.0958	pCi/L	103	75 - 125
Carrier	%Yield	Qualifier	Limits						
Ba Carrier	93.9		30 - 110						

Lab Sample ID: 160-55036-46 DU
Matrix: Water
Analysis Batch: 677983

Client Sample ID: 24071452-047
Prep Type: Total/NA
Prep Batch: 674785

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-226	0.0526	U	-0.00299	U	0.0446	1.00	0.0974	pCi/L	0.52	1
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	95.3		30 - 110							

Lab Sample ID: MB 160-674948/1-A
Matrix: Water
Analysis Batch: 678159

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674948

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	-0.02517	U	0.0338	0.0339	1.00	0.0917	pCi/L	08/14/24 07:22	09/05/24 15:08	1
Carrier	%Yield	Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	94.6		30 - 110					08/14/24 07:22	09/05/24 15:08	1

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QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Method: 903.0 - Radium-226 (GFPC) (Continued)

Lab Sample ID: LCS 160-674948/2-A
Matrix: Water
Analysis Batch: 678159

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674948

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-226		9.58	10.48		1.09	1.00	0.0967	pCi/L	109	75 - 125		
		LCS %Yield	LCS Qualifier	Limits								
Carrier		93.4		30 - 110								
Ba Carrier												

Lab Sample ID: 160-55036-48 DU
Matrix: Water
Analysis Batch: 678159

Client Sample ID: 24071452-049
Prep Type: Total/NA
Prep Batch: 674948

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit		RER	RER Limit
Radium-226	0.0194	U	0.1008		0.0689	1.00	0.0908	pCi/L		0.61	1
		DU %Yield	DU Qualifier	Limits							
Carrier		89.4		30 - 110							
Ba Carrier											

Method: 904.0 - Radium-228 (GFPC)

Lab Sample ID: MB 160-674780/1-A
Matrix: Water
Analysis Batch: 676153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674780

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.2102	U	0.277	0.277	1.00	0.462	pCi/L	08/13/24 06:35	08/22/24 12:01	1
		MB %Yield	MB Qualifier	Limits						
Carrier		98.5		30 - 110						
Ba Carrier										
Y Carrier		85.6		30 - 110						

Lab Sample ID: LCS 160-674780/2-A
Matrix: Water
Analysis Batch: 676153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674780

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits		
Radium-228		8.58	10.17		1.34	1.00	0.475	pCi/L	119	75 - 125		
		LCS %Yield	LCS Qualifier	Limits								
Carrier		91.9		30 - 110								
Ba Carrier												
Y Carrier		85.2		30 - 110								

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: MB 160-674783/1-A
Matrix: Water
Analysis Batch: 676623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674783

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.5483		0.361	0.365	1.00	0.536	pCi/L	08/13/24 06:38	08/26/24 12:05	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	84.8		30 - 110					08/13/24 06:38	08/26/24 12:05	1
Y Carrier	88.6		30 - 110					08/13/24 06:38	08/26/24 12:05	1

Lab Sample ID: LCS 160-674783/2-A
Matrix: Water
Analysis Batch: 676623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674783

Analyte	Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228	8.57	9.428		1.27	1.00	0.489	pCi/L	110	75 - 125
Carrier	LCS %Yield	LCS Qualifier	Limits						
Ba Carrier	92.1		30 - 110						
Y Carrier	86.0		30 - 110						

Lab Sample ID: 160-55036-11 DU
Matrix: Water
Analysis Batch: 676623

Client Sample ID: 24071452-012
Prep Type: Total/NA
Prep Batch: 674783

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.706		0.1061	U	0.379	1.00	0.672	pCi/L	0.75	1
Carrier	DU %Yield	DU Qualifier	Limits							
Ba Carrier	87.5		30 - 110							
Y Carrier	84.5		30 - 110							

Lab Sample ID: MB 160-674786/1-A
Matrix: Water
Analysis Batch: 676809

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674786

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.002243	U	0.262	0.262	1.00	0.499	pCi/L	08/13/24 06:46	08/27/24 11:54	1
Carrier	MB %Yield	MB Qualifier	Limits					Prepared	Analyzed	Dil Fac
Ba Carrier	96.1		30 - 110					08/13/24 06:46	08/27/24 11:54	1
Y Carrier	77.4		30 - 110					08/13/24 06:46	08/27/24 11:54	1

QC Sample Results

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Method: 904.0 - Radium-228 (GFPC) (Continued)

Lab Sample ID: LCS 160-674786/2-A
Matrix: Water
Analysis Batch: 676809

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674786

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.57	9.326		1.30	1.00	0.551	pCi/L	109	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	93.9		30 - 110							
Y Carrier	75.1		30 - 110							

Lab Sample ID: 160-55036-46 DU
Matrix: Water
Analysis Batch: 676926

Client Sample ID: 24071452-047
Prep Type: Total/NA
Prep Batch: 674786

Analyte	Sample Result	Sample Qual	DU Result	DU Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	RER	RER Limit
Radium-228	0.106	U	0.5941		0.338	1.00	0.473	pCi/L	0.75	1
	DU	DU								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	95.3		30 - 110							
Y Carrier	84.9		30 - 110							

Lab Sample ID: MB 160-674950/1-A
Matrix: Water
Analysis Batch: 676625

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 674950

Analyte	MB Result	MB Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	RL	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.05880	U	0.252	0.252	1.00	0.461	pCi/L	08/14/24 07:27	08/26/24 11:50	1
	MB	MB								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	94.6		30 - 110							
Y Carrier	82.6		30 - 110							

Lab Sample ID: LCS 160-674950/2-A
Matrix: Water
Analysis Batch: 676625

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 674950

Analyte		Spike Added	LCS Result	LCS Qual	Total Uncert. (2σ+/-)	RL	MDC	Unit	%Rec	%Rec Limits
Radium-228		8.57	9.813		1.30	1.00	0.481	pCi/L	115	75 - 125
	LCS	LCS								
Carrier	%Yield	Qualifier	Limits							
Ba Carrier	93.4		30 - 110							
Y Carrier	84.1		30 - 110							

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ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1

SDG: 24071452

Client Sample ID: 24071452-049
Prep Type: Total/NA
Prep Batch: 674950

Carrier	%Yield	DU DU Qualifier	Limits
Ba Carrier	89.4		30 - 110
Y Carrier	72.5		30 - 110

QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEE POWER PLANT, ASH POND NO. 1

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

Job ID: 160-55036-1
SDG: 24071452

Rad

Prep Batch: 674779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-1	24071452-001	Total/NA	Water	PrecSep-21	
160-55036-2	24071452-003	Total/NA	Water	PrecSep-21	
160-55036-3	24071452-004	Total/NA	Water	PrecSep-21	
160-55036-4	24071452-005	Total/NA	Water	PrecSep-21	
160-55036-5	24071452-006	Total/NA	Water	PrecSep-21	
160-55036-6	24071452-007	Total/NA	Water	PrecSep-21	
MB 160-674779/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674779/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	

Prep Batch: 674780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-1	24071452-001	Total/NA	Water	PrecSep_0	
160-55036-2	24071452-003	Total/NA	Water	PrecSep_0	
160-55036-3	24071452-004	Total/NA	Water	PrecSep_0	
160-55036-4	24071452-005	Total/NA	Water	PrecSep_0	
160-55036-5	24071452-006	Total/NA	Water	PrecSep_0	
160-55036-6	24071452-007	Total/NA	Water	PrecSep_0	
MB 160-674780/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674780/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	

Prep Batch: 674782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-7	24071452-008	Total/NA	Water	PrecSep-21	
160-55036-8	24071452-009	Total/NA	Water	PrecSep-21	
160-55036-9	24071452-010	Total/NA	Water	PrecSep-21	
160-55036-10	24071452-011	Total/NA	Water	PrecSep-21	
160-55036-11	24071452-012	Total/NA	Water	PrecSep-21	
160-55036-12	24071452-013	Total/NA	Water	PrecSep-21	
160-55036-13	24071452-014	Total/NA	Water	PrecSep-21	
160-55036-14	24071452-015	Total/NA	Water	PrecSep-21	
160-55036-15	24071452-016	Total/NA	Water	PrecSep-21	
160-55036-16	24071452-017	Total/NA	Water	PrecSep-21	
160-55036-17	24071452-018	Total/NA	Water	PrecSep-21	
160-55036-18	24071452-019	Total/NA	Water	PrecSep-21	
160-55036-19	24071452-020	Total/NA	Water	PrecSep-21	
160-55036-20	24071452-021	Total/NA	Water	PrecSep-21	
160-55036-21	24071452-022	Total/NA	Water	PrecSep-21	
160-55036-22	24071452-023	Total/NA	Water	PrecSep-21	
160-55036-23	24071452-024	Total/NA	Water	PrecSep-21	
160-55036-24	24071452-025	Total/NA	Water	PrecSep-21	
160-55036-25	24071452-026	Total/NA	Water	PrecSep-21	
160-55036-26	24071452-027	Total/NA	Water	PrecSep-21	
MB 160-674782/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674782/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55036-11 DU	24071452-012	Total/NA	Water	PrecSep-21	

Prep Batch: 674783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-7	24071452-008	Total/NA	Water	PrecSep_0	
160-55036-8	24071452-009	Total/NA	Water	PrecSep_0	
160-55036-9	24071452-010	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 3, 2024
COFFEE POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Rad (Continued)

Prep Batch: 674783 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-10	24071452-011	Total/NA	Water	PrecSep_0	
160-55036-11	24071452-012	Total/NA	Water	PrecSep_0	
160-55036-12	24071452-013	Total/NA	Water	PrecSep_0	
160-55036-13	24071452-014	Total/NA	Water	PrecSep_0	
160-55036-14	24071452-015	Total/NA	Water	PrecSep_0	
160-55036-15	24071452-016	Total/NA	Water	PrecSep_0	
160-55036-16	24071452-017	Total/NA	Water	PrecSep_0	
160-55036-17	24071452-018	Total/NA	Water	PrecSep_0	
160-55036-18	24071452-019	Total/NA	Water	PrecSep_0	
160-55036-19	24071452-020	Total/NA	Water	PrecSep_0	
160-55036-20	24071452-021	Total/NA	Water	PrecSep_0	
160-55036-21	24071452-022	Total/NA	Water	PrecSep_0	
160-55036-22	24071452-023	Total/NA	Water	PrecSep_0	
160-55036-23	24071452-024	Total/NA	Water	PrecSep_0	
160-55036-24	24071452-025	Total/NA	Water	PrecSep_0	
160-55036-25	24071452-026	Total/NA	Water	PrecSep_0	
160-55036-26	24071452-027	Total/NA	Water	PrecSep_0	
MB 160-674783/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674783/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55036-11 DU	24071452-012	Total/NA	Water	PrecSep_0	

Prep Batch: 674785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-27	24071452-028	Total/NA	Water	PrecSep-21	
160-55036-28	24071452-029	Total/NA	Water	PrecSep-21	
160-55036-29	24071452-030	Total/NA	Water	PrecSep-21	
160-55036-30	24071452-031	Total/NA	Water	PrecSep-21	
160-55036-31	24071452-032	Total/NA	Water	PrecSep-21	
160-55036-32	24071452-033	Total/NA	Water	PrecSep-21	
160-55036-33	24071452-034	Total/NA	Water	PrecSep-21	
160-55036-34	24071452-035	Total/NA	Water	PrecSep-21	
160-55036-35	24071452-036	Total/NA	Water	PrecSep-21	
160-55036-36	24071452-037	Total/NA	Water	PrecSep-21	
160-55036-37	24071452-038	Total/NA	Water	PrecSep-21	
160-55036-38	24071452-039	Total/NA	Water	PrecSep-21	
160-55036-39	24071452-040	Total/NA	Water	PrecSep-21	
160-55036-40	24071452-041	Total/NA	Water	PrecSep-21	
160-55036-41	24071452-042	Total/NA	Water	PrecSep-21	
160-55036-42	24071452-043	Total/NA	Water	PrecSep-21	
160-55036-43	24071452-044	Total/NA	Water	PrecSep-21	
160-55036-44	24071452-045	Total/NA	Water	PrecSep-21	
160-55036-45	24071452-046	Total/NA	Water	PrecSep-21	
160-55036-46	24071452-047	Total/NA	Water	PrecSep-21	
MB 160-674785/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674785/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55036-46 DU	24071452-047	Total/NA	Water	PrecSep-21	

Prep Batch: 674786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-27	24071452-028	Total/NA	Water	PrecSep_0	
160-55036-28	24071452-029	Total/NA	Water	PrecSep_0	

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QC Association Summary

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEE POWER PLANT, ASH POND NO. 1

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

Job ID: 160-55036-1
SDG: 24071452

Rad (Continued)

Prep Batch: 674786 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-29	24071452-030	Total/NA	Water	PrecSep_0	
160-55036-30	24071452-031	Total/NA	Water	PrecSep_0	
160-55036-31	24071452-032	Total/NA	Water	PrecSep_0	
160-55036-32	24071452-033	Total/NA	Water	PrecSep_0	
160-55036-33	24071452-034	Total/NA	Water	PrecSep_0	
160-55036-34	24071452-035	Total/NA	Water	PrecSep_0	
160-55036-35	24071452-036	Total/NA	Water	PrecSep_0	
160-55036-36	24071452-037	Total/NA	Water	PrecSep_0	
160-55036-37	24071452-038	Total/NA	Water	PrecSep_0	
160-55036-38	24071452-039	Total/NA	Water	PrecSep_0	
160-55036-39	24071452-040	Total/NA	Water	PrecSep_0	
160-55036-40	24071452-041	Total/NA	Water	PrecSep_0	
160-55036-41	24071452-042	Total/NA	Water	PrecSep_0	
160-55036-42	24071452-043	Total/NA	Water	PrecSep_0	
160-55036-43	24071452-044	Total/NA	Water	PrecSep_0	
160-55036-44	24071452-045	Total/NA	Water	PrecSep_0	
160-55036-45	24071452-046	Total/NA	Water	PrecSep_0	
160-55036-46	24071452-047	Total/NA	Water	PrecSep_0	
MB 160-674786/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674786/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55036-46 DU	24071452-047	Total/NA	Water	PrecSep_0	

Prep Batch: 674948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-47	24071452-048	Total/NA	Water	PrecSep-21	
160-55036-48	24071452-049	Total/NA	Water	PrecSep-21	
160-55036-49	24071452-050	Total/NA	Water	PrecSep-21	
160-55036-50	24071452-051	Total/NA	Water	PrecSep-21	
160-55036-51	24071452-052	Total/NA	Water	PrecSep-21	
160-55036-52	24071452-053	Total/NA	Water	PrecSep-21	
160-55036-53	24071452-054	Total/NA	Water	PrecSep-21	
160-55036-54	24071452-055	Total/NA	Water	PrecSep-21	
160-55036-55	24071452-056	Total/NA	Water	PrecSep-21	
160-55036-56	24071452-057	Total/NA	Water	PrecSep-21	
160-55036-57	24071452-058	Total/NA	Water	PrecSep-21	
160-55036-58	24071452-059	Total/NA	Water	PrecSep-21	
160-55036-59	24071452-060	Total/NA	Water	PrecSep-21	
160-55036-60	24071452-061	Total/NA	Water	PrecSep-21	
MB 160-674948/1-A	Method Blank	Total/NA	Water	PrecSep-21	
LCS 160-674948/2-A	Lab Control Sample	Total/NA	Water	PrecSep-21	
160-55036-48 DU	24071452-049	Total/NA	Water	PrecSep-21	

Prep Batch: 674950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-47	24071452-048	Total/NA	Water	PrecSep_0	
160-55036-48	24071452-049	Total/NA	Water	PrecSep_0	
160-55036-49	24071452-050	Total/NA	Water	PrecSep_0	
160-55036-50	24071452-051	Total/NA	Water	PrecSep_0	
160-55036-51	24071452-052	Total/NA	Water	PrecSep_0	
160-55036-52	24071452-053	Total/NA	Water	PrecSep_0	
160-55036-53	24071452-054	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 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Rad (Continued)

Prep Batch: 674950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
160-55036-54	24071452-055	Total/NA	Water	PrecSep_0	
160-55036-55	24071452-056	Total/NA	Water	PrecSep_0	
160-55036-56	24071452-057	Total/NA	Water	PrecSep_0	
160-55036-57	24071452-058	Total/NA	Water	PrecSep_0	
160-55036-58	24071452-059	Total/NA	Water	PrecSep_0	
160-55036-59	24071452-060	Total/NA	Water	PrecSep_0	
160-55036-60	24071452-061	Total/NA	Water	PrecSep_0	
MB 160-674950/1-A	Method Blank	Total/NA	Water	PrecSep_0	
LCS 160-674950/2-A	Lab Control Sample	Total/NA	Water	PrecSep_0	
160-55036-48 DU	24071452-049	Total/NA	Water	PrecSep_0	

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

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)					
160-55036-1	24071452-001	86.7					
160-55036-2	24071452-003	84.8					
160-55036-3	24071452-004	88.7					
160-55036-4	24071452-005	91.6					
160-55036-5	24071452-006	88.2					
160-55036-6	24071452-007	76.9					
160-55036-7	24071452-008	92.9					
160-55036-8	24071452-009	82.3					
160-55036-9	24071452-010	88.7					
160-55036-10	24071452-011	87.5					
160-55036-11	24071452-012	84.0					
160-55036-11 DU	24071452-012	87.5					
160-55036-12	24071452-013	86.7					
160-55036-13	24071452-014	95.1					
160-55036-14	24071452-015	96.1					
160-55036-15	24071452-016	91.4					
160-55036-16	24071452-017	92.6					
160-55036-17	24071452-018	88.7					
160-55036-18	24071452-019	91.6					
160-55036-19	24071452-020	89.2					
160-55036-20	24071452-021	93.4					
160-55036-21	24071452-022	94.8					
160-55036-22	24071452-023	79.1					
160-55036-23	24071452-024	92.6					
160-55036-24	24071452-025	98.5					
160-55036-25	24071452-026	99.0					
160-55036-26	24071452-027	91.6					
160-55036-27	24071452-028	85.5					
160-55036-28	24071452-029	95.6					
160-55036-29	24071452-030	84.8					
160-55036-30	24071452-031	86.7					
160-55036-31	24071452-032	85.0					
160-55036-32	24071452-033	85.5					
160-55036-33	24071452-034	88.9					
160-55036-34	24071452-035	92.1					
160-55036-35	24071452-036	90.2					
160-55036-36	24071452-037	92.6					
160-55036-37	24071452-038	87.2					
160-55036-38	24071452-039	92.9					
160-55036-39	24071452-040	92.6					
160-55036-40	24071452-041	89.9					
160-55036-41	24071452-042	87.0					
160-55036-42	24071452-043	90.4					
160-55036-43	24071452-044	92.4					
160-55036-44	24071452-045	90.9					
160-55036-45	24071452-046	87.0					
160-55036-46	24071452-047	90.7					
160-55036-46 DU	24071452-047	95.3					
160-55036-47	24071452-048	87.2					

Eurofins St. Louis

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Method: 903.0 - Radium-226 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	
160-55036-48	24071452-049	84.5	
160-55036-48 DU	24071452-049	89.4	
160-55036-49	24071452-050	90.4	
160-55036-50	24071452-051	93.6	
160-55036-51	24071452-052	86.5	
160-55036-52	24071452-053	86.5	
160-55036-53	24071452-054	94.1	
160-55036-54	24071452-055	94.1	
160-55036-55	24071452-056	89.4	
160-55036-56	24071452-057	102	
160-55036-57	24071452-058	95.6	
160-55036-58	24071452-059	90.9	
160-55036-59	24071452-060	94.3	
160-55036-60	24071452-061	84.5	
LCS 160-674779/2-A	Lab Control Sample	91.9	
LCS 160-674782/2-A	Lab Control Sample	92.1	
LCS 160-674785/2-A	Lab Control Sample	93.9	
LCS 160-674948/2-A	Lab Control Sample	93.4	
MB 160-674779/1-A	Method Blank	98.5	
MB 160-674782/1-A	Method Blank	84.8	
MB 160-674785/1-A	Method Blank	96.1	
MB 160-674948/1-A	Method Blank	94.6	
Tracer/Carrier Legend			
Ba = Ba Carrier			

Method: 904.0 - Radium-228 (GFPC)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
160-55036-1	24071452-001	86.7	78.1
160-55036-2	24071452-003	84.8	71.8
160-55036-3	24071452-004	88.7	75.5
160-55036-4	24071452-005	91.6	81.1
160-55036-5	24071452-006	88.2	90.5
160-55036-6	24071452-007	76.9	85.2
160-55036-7	24071452-008	92.9	75.9
160-55036-8	24071452-009	82.3	76.3
160-55036-9	24071452-010	88.7	81.9
160-55036-10	24071452-011	87.5	83.4
160-55036-11	24071452-012	84.0	80.0
160-55036-11 DU	24071452-012	87.5	84.5
160-55036-12	24071452-013	86.7	81.1
160-55036-13	24071452-014	95.1	81.5
160-55036-14	24071452-015	96.1	84.9
160-55036-15	24071452-016	91.4	80.7
160-55036-16	24071452-017	92.6	87.1
160-55036-17	24071452-018	88.7	88.6
160-55036-18	24071452-019	91.6	80.4

Eurofins St. Louis

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

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)
160-55036-19	24071452-020	89.2	85.2
160-55036-20	24071452-021	93.4	84.5
160-55036-21	24071452-022	94.8	86.4
160-55036-22	24071452-023	79.1	82.6
160-55036-23	24071452-024	92.6	81.9
160-55036-24	24071452-025	98.5	83.4
160-55036-25	24071452-026	99.0	81.9
160-55036-26	24071452-027	91.6	82.2
160-55036-27	24071452-028	85.5	79.3
160-55036-28	24071452-029	95.6	81.1
160-55036-29	24071452-030	84.8	83.4
160-55036-30	24071452-031	86.7	84.5
160-55036-31	24071452-032	85.0	83.7
160-55036-32	24071452-033	85.5	81.5
160-55036-33	24071452-034	88.9	84.9
160-55036-34	24071452-035	92.1	84.5
160-55036-35	24071452-036	90.2	86.7
160-55036-36	24071452-037	92.6	83.7
160-55036-37	24071452-038	87.2	83.4
160-55036-38	24071452-039	92.9	83.4
160-55036-39	24071452-040	92.6	70.7
160-55036-40	24071452-041	89.9	68.0
160-55036-41	24071452-042	87.0	78.1
160-55036-42	24071452-043	90.4	78.9
160-55036-43	24071452-044	92.4	80.4
160-55036-44	24071452-045	90.9	84.5
160-55036-45	24071452-046	87.0	81.9
160-55036-46	24071452-047	90.7	85.6
160-55036-46 DU	24071452-047	95.3	84.9
160-55036-47	24071452-048	87.2	75.5
160-55036-48	24071452-049	84.5	60.9
160-55036-48 DU	24071452-049	89.4	72.5
160-55036-49	24071452-050	90.4	77.4
160-55036-50	24071452-051	93.6	66.2
160-55036-51	24071452-052	86.5	71.4
160-55036-52	24071452-053	86.5	70.3
160-55036-53	24071452-054	94.1	71.4
160-55036-54	24071452-055	94.1	76.6
160-55036-55	24071452-056	89.4	71.4
160-55036-56	24071452-057	102	74.8
160-55036-57	24071452-058	95.6	78.1
160-55036-58	24071452-059	90.9	68.4
160-55036-59	24071452-060	94.3	61.7
160-55036-60	24071452-061	84.5	60.6
LCS 160-674780/2-A	Lab Control Sample	91.9	85.2
LCS 160-674783/2-A	Lab Control Sample	92.1	86.0
LCS 160-674786/2-A	Lab Control Sample	93.9	75.1
LCS 160-674950/2-A	Lab Control Sample	93.4	84.1
MB 160-674780/1-A	Method Blank	98.5	85.6
MB 160-674783/1-A	Method Blank	84.8	88.6

Eurofins St. Louis

Tracer/Carrier Summary

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

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
Job ID: 160-55036-1
SDG: 24071452

Method: 904.0 - Radium-228 (GFPC) (Continued)

Matrix: Water

Prep Type: Total/NA

		Percent Yield (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Ba (30-110)	Y (30-110)
MB 160-674786/1-A	Method Blank	96.1	77.4
MB 160-674950/1-A	Method Blank	94.6	82.6
Tracer/Carrier Legend			
Ba = Ba Carrier			
Y = Y Carrier			

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Summary

Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
001	AP2D	Groundwater Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	No
002	G1001	Groundwater Sample	76.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
003	G1003	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
004	G101	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
005	G102	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
006	G103	Groundwater Sample	85.0	None	NE	Clear	Good	Good	Good	Yes	Yes
007	G105	Groundwater Sample	88.0	None	NE	Clear	Good	Good	Good	Yes	Yes
008	G106	Groundwater Sample	89.0	None	NE	Clear	Good	Good	Good	Yes	Yes
009	G107	Groundwater Sample	89.0	None	NE	Clear	Good	Good	Good	Yes	Yes
010	G108	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
011	G109	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
012	G110	Groundwater Sample	84.0	None	NE	Clear	Good	Good	Good	Yes	Yes
013	G111	Groundwater Sample	84.0	None	NE	Clear	Good	Good	Good	Yes	Yes
014	G119	Groundwater Sample	90.0	None	NE	Clear	Good	Good	Good	Yes	Yes
015	G120	Groundwater Sample	90.0	None	NE	Clear	Good	Good	Good	Yes	Yes
016	G121	Groundwater Sample	91.0	None	NE	Clear	Good	Good	Good	Yes	Yes
017	G122	Groundwater Sample	91.0	None	NE	Clear	Good	Good	Good	Yes	Yes
018	G123	Groundwater Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
019	G124	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
020	G125	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
021	G126	Groundwater Sample	86.0	None	NE	Clear	Good	Good	Good	Yes	Yes
022	G151	Groundwater Sample	82.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
023	G152	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
024	G153	Groundwater Sample	88.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
025	G154	Groundwater Sample	87.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
026	G155	Groundwater Sample	85.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
027	G200	Groundwater Sample	90.0	None	NE	Clear	Good	Good	Good	Yes	Yes
028	G206	Groundwater Sample	90.0	None	N	Clear	Good	Good	Good	Yes	Yes
029	G206D	Groundwater Sample	90.0	None	N	Clear	Good	Good	Good	Yes	Yes
030	G207	Groundwater Sample	86.0	None	N	Clear	Good	Good	Good	Yes	Yes
031	G208	Groundwater Sample	83.0	None	N	Clear	Good	Good	Good	Yes	Yes
032	G209	Groundwater Sample	85.0	None	N	Clear	Good	Good	Good	Yes	Yes
033	G210	Groundwater Sample	85.0	None	N	Clear	Good	Good	Good	Yes	Yes
034	G211	Groundwater Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
035	G212	Groundwater Sample	82.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes



Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Summary

Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
036	G213	Groundwater Sample	82.0	Light	E	Cloudy	Good	Good	Good	Yes	Yes
037	G214	Groundwater Sample	89.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
038	G215	Groundwater Sample	88.0	None	E	Clear	Good	Good	Good	Yes	Yes
039	G216	Groundwater Sample	88.0	None	E	Clear	Good	Good	Good	Yes	Yes
040	G217	Groundwater Sample	83.0	None	SE	Clear	Good	Good	Good	Yes	Yes
041	G218	Groundwater Sample	82.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
042	G219	Groundwater Sample	84.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
043	G220	Groundwater Sample	67.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
044	G270	Groundwater Sample	67.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
045	G271	Groundwater Sample	85.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
046	G272	Groundwater Sample	84.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
047	G273	Groundwater Sample	85.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
048	G274	Groundwater Sample	90.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
049	G275	Groundwater Sample	86.0	None	NE	Clear	Good	Good	Good	Yes	Yes
050	G275D	Groundwater Sample	85.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
051	G276	Groundwater Sample	85.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
052	G277	Groundwater Sample	88.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
053	G278	Groundwater Sample	90.0	None	N	Cloudy	Good	Good	Good	Yes	Yes
054	G279	Groundwater Sample	86.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
055	G280	Groundwater Sample	86.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
056	G281	Groundwater Sample	83.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
057	G283	Groundwater Sample	68.0	None	W	Cloudy	Good	Good	Good	Yes	Yes
058	G284	Groundwater Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
059	G285	Groundwater Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
060	G301	Groundwater Sample	85.0	None	NE	Clear	Good	Good	Good	Yes	Yes
061	G302	Groundwater Sample	92.0	None	NE	Clear	Good	Good	Good	Yes	Yes
062	G303	Groundwater Sample	83.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
063	G305	Groundwater Sample	79.0	Light	E	Partly cloudy	Good	Good	Good	Yes	Yes
064	G306	Groundwater Sample	78.0	None	E	Clear	Good	Good	Good	Yes	Yes
065	G307	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
066	G307D	Groundwater Sample	79.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
067	G308	Groundwater Sample	80.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
068	G310	Groundwater Sample	80.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
069	G312	Groundwater Sample	93.0	None	NE	Clear	Good	Good	Good	Yes	Yes
070	G313	Groundwater Sample	81.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Summary

Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

WO Sample	Well ID	Program/ Sample Type	Weather				Well Condition				
			Temp (°F)	Precipitation	Wind Direction	Sky	Well Pad	Casing	Protective Cover	Reference Mark/ ID	Well Locked
071	G314	Groundwater Sample	81.0	None	SE	Cloudy	Good	Good	Good	Yes	Yes
072	G314D	Groundwater Sample	86.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
073	G315	Groundwater Sample	84.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
074	G316	Groundwater Sample	86.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
075	G401	Groundwater Sample	74.0	None	NW	Clear	Good	Good	Good	Yes	Yes
076	G402	Groundwater Sample	88.0	None	NW	Partly cloudy	Good	Good	Good	Yes	Yes
077	G403	Groundwater Sample	80.0	None	N	Partly cloudy	Good	Good	Good	Yes	Yes
078	G404	Groundwater Sample	87.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
079	G405	Groundwater Sample	89.0	None	E	Cloudy	Good	Good	Good	Yes	Yes
080	G406	Groundwater Sample	81.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
081	G407	Groundwater Sample	82.0	Light	E	Partly cloudy	Good	Good	Good	Yes	Yes
082	G410	Groundwater Sample	75.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
083	G411	Groundwater Sample	76.0	None	SE	Partly cloudy	Good	Good	Good	Yes	Yes
084	L201	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
085	L202	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
086	L203	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
087	NE Riser	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
088	R104	Groundwater Sample	87.0	None	NE	Partly cloudy	Good	Good	Good	Yes	Yes
089	R201	Groundwater Sample	91.0	None	NE	Clear	Good	Good	Good	Yes	Yes
090	R205	Groundwater Sample	89.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
091	SG-02	DTW Only	90.0	None	NE	Clear					
092	SG-03	DTW Only	90.0	None	NE	Clear					
093	T127	Groundwater Sample	87.0	None	NE	Clear	Good	Good	Good	Yes	Yes
094	T128	Groundwater Sample	89.0	None	NE	Clear	Good	Good	Good	Yes	Yes
095	X201	Leachate Sample	67.0	None	SW	Cloudy	Good	Good	Good	Yes	Yes
096	XSG-01	DTW Only	90.0	None	NE	Clear					
097	Field Blank	QA/QC Sample	67.0	None	SW	Cloudy					
098	G102 Duplicate	QA/QC Sample	80.0	None	NE	Clear	Good	Good	Good	Yes	Yes
099	G200 Duplicate	QA/QC Sample	90.0	None	NE	Clear	Good	Good	Good	Yes	Yes
100	G217 Duplicate	QA/QC Sample	83.0	None	SE	Clear	Good	Good	Good	Yes	Yes
101	G301 Duplicate	QA/QC Sample	85.0	None	NE	Clear	Good	Good	Good	Yes	Yes
102	R201 Duplicate	QA/QC Sample	91.0	None	NE	Clear	Good	Good	Good	Yes	Yes
103	G111	Groundwater Sample	89.0	None	E	Partly cloudy	Good	Good	Good	Yes	Yes
103	Equipment Blank 1	QA/QC Sample									

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
001	AP2D	TAC	8/7/24 9:05	20.80	35.43	TAC	8/7/2024	09:12	09:40	Peristaltic Pump	4"	5.0	178.6
002	G1001	BG	8/2/24 10:02	6.08	13.79	BG	8/2/2024	10:02	10:26	Peristaltic Pump	2"	3.5	145.8
003	G1003	PY	8/5/24 13:40	10.92	11.15								
004	G101	JC	8/5/24 14:24	6.58	24.30	JC	8/5/2024	14:25	14:37	Bladder Pump	2"	2.5	208.3
005	G102	JC	8/6/24 8:59	5.93	20.00	JC	8/6/2024	09:00	09:13	Bladder Pump	2"	2.5	192.3
006	G103	JC	8/6/24 9:58	10.68	26.90	JC	8/6/2024	09:58	10:14	Bladder Pump	2"	3.0	187.5
007	G105	JC	8/6/24 10:49	9.16	27.70	JC	8/6/2024	10:49	11:01	Bladder Pump	2"	2.0	166.7
008	G106	JC	8/6/24 11:06	10.55	25.60	JC	8/6/2024	11:06	11:22	Bladder Pump	2"	3.0	187.5
009	G107	JC	8/6/24 11:25	11.23	22.70	JC	8/6/2024	11:25	11:44	Bladder Pump	2"	4.0	210.5
010	G108	JC	8/5/24 9:10	12.03	26.60	JC	8/5/2024	09:11	09:31	Bladder Pump	2"	3.0	150.0
011	G109	JC	8/5/24 9:35	12.40	26.30	JC	8/5/2024	09:36	09:51	Bladder Pump	2"	2.5	166.7
012	G110	JC	8/5/24 9:55	13.18	27.50	JC	8/5/2024	09:56	10:09	Bladder Pump	2"	2.5	192.3
013	G111	JC	8/5/24 10:13	14.22	24.30	JC	8/5/2024	10:13	10:28	Bladder Pump	2"	2.5	166.7
014	G119	JC	8/5/24 11:52	15.53	27.40	JC	8/5/2024	11:52	12:15	Bladder Pump	2"	4.0	173.9
015	G120	JC	8/5/24 12:19	16.04	26.70	JC	8/5/2024	12:19	12:42	Bladder Pump	2"	4.5	195.7
016	G121	JC	8/5/24 12:46	17.80	29.10	JC	8/5/2024	12:46	12:58	Bladder Pump	2"	2.5	208.3
017	G122	JC	8/5/24 13:01	18.06	26.50	JC	8/5/2024	13:01	13:13	Bladder Pump	2"	2.5	208.3
018	G123	PY	8/7/24 15:03	15.21	30.90	TAC	8/7/2024	15:05	15:32	Peristaltic Pump	2"	6.0	222.2
019	G124	JC	8/5/24 13:40	16.36	26.70	JC	8/5/2024	13:40	13:58	Bladder Pump	2"	3.5	194.4
020	G125	JC	8/5/24 14:02	16.29	26.70	JC	8/5/2024	14:02	14:20	Bladder Pump	2"	3.5	194.4
021	G126	JC	8/5/24 10:31	10.49	20.40	JC	8/5/2024	10:31	10:45	Bladder Pump	2"	2.0	142.9
022	G151	JC	8/1/24 11:29	11.74	23.60	JC	8/1/2024	11:29	11:48	Bladder Pump	2"	4.0	210.5
023	G152	TAC	8/5/24 14:23	11.52	22.00	TAC	8/5/2024	14:23	15:16	Peristaltic Pump	2"	14.0	264.2
024	G153	JC	8/1/24 13:38	13.21	23.90	JC	8/1/2024	13:39	13:55	Bladder Pump	2"	3.5	218.8
025	G154	JC	8/1/24 12:53	13.40	22.80	JC	8/1/2024	12:53	13:09	Bladder Pump	2"	3.0	187.5
026	G155	JC	8/1/24 12:11	12.81	26.20	JC	8/1/2024	12:12	12:36	Bladder Pump	2"	5.0	208.3
027	G200	JC	8/6/24 11:59	4.51	20.70	JC	8/6/2024	12:01	12:16	Peristaltic Pump	2"	2.0	133.3
028	G206	BG	7/30/24 13:18	18.13	26.30	BG	7/30/2024	13:18	13:36	Bladder Pump	2"	3.5	194.4
029	G206D	BG	7/30/24 12:42	26.95	62.12	BG	7/30/2024	12:42	13:06	Bladder Pump	2"	3.0	125.0
030	G207	BG	7/30/24 12:08	13.76	26.60	BG	7/30/2024	12:08	12:25	Peristaltic Pump	2"	3.0	176.5
031	G208	BG	7/30/24 9:47	12.18	26.60	BG	7/30/2024	09:47	10:16	Bladder Pump	2"	2.5	86.2
032	G209	BG	7/30/24 10:31	11.75	25.50	BG	7/30/2024	09:47	11:09	Bladder Pump	2"	4.0	48.8
033	G210	BG	7/30/24 11:25	11.89	25.00	BG	7/30/2024	11:25	11:47	Bladder Pump	2"	5.0	227.3
034	G211	BG	8/1/24 9:12	12.47	26.30	BG	8/1/2024	09:12	09:46	Bladder Pump	2"	5.0	147.1
035	G212	bg	8/1/24 9:58	13.53	82.00	BG	8/1/2024	09:58	10:19	Bladder Pump	2"	3.5	166.7

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
036	G213	BG	8/1/24 10:39	14.52	82.00	BG	8/1/2024	10:39	11:15	Bladder Pump	2"	4.5	125.0
037	G214	PY	8/6/24 11:52	16.50	26.50	PY	8/6/2024	11:52	12:18	Bladder Pump	2"	6.0	230.8
038	G215	PY	8/6/24 10:59	15.84	26.90	PY	8/6/2024	10:59	11:19	Bladder Pump	2"	3.0	150.0
039	G216	PY	8/6/24 10:18	15.04	28.50	PY	8/6/2024	10:18	10:37	Bladder Pump	2"	4.5	236.8
040	G217	PY	8/6/24 8:57	16.42	28.40	PY	8/6/2024	08:59	09:39	Bladder Pump	2"	14.0	350.0
041	G218	BG	7/31/24 9:27	14.71	28.50	BG	7/31/2024	09:27	10:03	Bladder Pump	2"	4.0	111.1
042	G219	BG	7/31/24 10:31	7.55	18.53	BG	7/31/2024	10:31	11:16	Peristaltic Pump	2"	6.0	133.3
043	G220	DC	8/7/24 12:40	14.18	27.52	DC	8/7/2024	12:45	13:03	Peristaltic Pump	2"	2.0	111.1
044	G270	DC	8/7/24 9:58	7.59	20.40	TAC	8/7/2024	10:05	10:29	Bladder Pump	2"	3.0	125.0
045	G271	JC	7/31/24 11:02	10.93	18.70	JC	7/31/2024	11:03	11:24	Bladder Pump	2"	4.0	190.5
046	G272	JC	7/31/24 10:25	11.02	17.40	JC	7/31/2024	10:25	10:43	Bladder Pump	2"	3.0	166.7
047	G273	JC	7/31/24 9:46	10.87	18.90	JC	7/31/2024	09:48	10:02	Bladder Pump	2"	2.5	178.6
048	G274	JC	7/30/24 13:31	14.20	20.40	JC	7/30/2024	13:31	13:51	Bladder Pump	2"	3.0	150.0
049	G275	BG	8/1/24 12:17	13.29	15.30	BG	8/1/2024	12:15	12:27	Bladder Pump	2"	2.0	166.7
050	G275D	BG	8/1/24 11:45	39.67	62.70	BG	8/1/2024	11:45	12:14	Bladder Pump	2"	3.5	120.7
051	G276	BG	7/31/24 11:45	27.79	30.90	BG	7/31/2024	11:45	12:33	Peristaltic Pump	2"	2.5	52.1
052	G277	JC	7/30/24 12:22	19.99	22.30	JC	7/30/2024	12:20	12:39	Bladder Pump	2"	2.5	131.6
053	G278	BG	7/31/24 12:45	23.03	26.40	BG	7/31/2024	12:45	13:13	Bladder Pump	2"	3.0	107.1
054	G279	JC	7/30/24 10:40	23.89	30.80	JC	7/30/2024	10:40	10:56	Bladder Pump	2"	3.0	187.5
055	G280	JC	7/30/24 11:25	5.49	20.20	JC	7/30/2024	11:25	11:50	Bladder Pump	2"	5.0	200.0
056	G281	JC	7/30/24 9:44	6.21	22.80	JC	7/30/2024	09:48	10:13	Bladder Pump	2"	4.0	160.0
057	G283	TAC	8/7/24 13:29	5.46	20.80	TAC	8/7/2024	13:29	13:52	Bladder Pump	2"	4.5	195.7
058	G284	DC	8/7/24 10:48	11.04	16.30	TAC	8/7/2024	10:49	11:25	Bladder Pump	2"	6.0	166.7
059	G285	DC	8/7/24 11:44	4.96	26.80	TAC	8/7/2024	11:45	12:03	Bladder Pump	2"	2.0	111.1
060	G301	PY	8/5/24 9:57	8.03	18.60	PY	8/5/2024	10:05	10:36	Peristaltic Pump	2"	4.5	145.2
061	G302	PY	8/5/24 11:19	11.96	20.50	PY	8/5/2024	11:19	11:43	Bladder Pump	2"	4.5	187.5
062	G303	PY	7/31/24 13:17	6.81	23.30	TAC	7/31/2024	13:17	13:49	Bladder Pump	2"	6.0	187.5
063	G305	PY	8/1/24 10:05	8.22	21.50	TAC	8/1/2024	10:06	10:28	Bladder Pump	2"	3.0	136.4
064	G306	PY	8/1/24 8:55	7.22	20.90	TAC	8/1/2024	08:56	09:44	Bladder Pump	2"	11.0	229.2
065	G307	TAC	8/1/24 11:51	0.89	20.60	TAC	8/1/2024	11:51	12:13	Peristaltic Pump	2"	6.0	272.7
066	G307D	PY	8/1/24 11:05	6.34	62.00	TAC	8/1/2024	11:06	11:41	Bladder Pump	2"	6.5	185.7
067	G308	PY	8/1/24 12:37	5.02	18.20	TAC	8/1/2024	12:39	12:56	Bladder Pump	2"	3.0	176.5
068	G310	PY	8/1/24 13:26	9.56	18.40	TAC	8/1/2024	13:27	13:47	Bladder Pump	2"	4.0	200.0
069	G312	PY	8/5/24 12:08	13.75	17.80	PY	8/5/2024	12:09	12:55	Bladder Pump	2"	8.5	184.8
070	G313	PY	7/31/24 12:24	2.93	14.30	TAC	7/31/2024	12:25	12:53	Bladder Pump	2"	4.5	160.7



Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

WO Sample	Well ID	GW Level Measurement				Purge Activities							
		Sampler Initials	Date/Time	DTW (ft)	DTB (ft)	Sampler Initials	Purge Date	Purge Start Time	Purge End Time	Purging/Sampling Device	Well Diameter (in)	Actual Volume Purged (L)	Purge Rate (mL/min)
071	G314	PY	7/31/24 11:22	4.49	22.80	TAC	7/31/2024	11:22	11:48	Bladder Pump	2"	4.5	173.1
072	G314D	PY	7/31/24 10:16	6.79	52.30	TAC	7/31/2024	10:16	10:52	Bladder Pump	2"	4.5	125.0
073	G315	PY	7/31/24 14:14	2.64	17.40	TAC	7/31/2024	14:16	14:38	Bladder Pump	2"	3.5	159.1
074	G316	PY	7/31/24 9:26	11.51	18.10	TAC	7/31/2024	09:34	09:53	Bladder Pump	2"	4.0	210.5
075	G401	BG	8/2/24 9:01	21.72	21.80	BG	8/2/2024	09:01	09:24	Bladder Pump	2"	1.5	65.2
076	G402	BG	8/1/24 13:50	10.86	23.40	BG	8/1/2024	13:50	14:16	Bladder Pump	2"	4.0	153.8
077	G403	JC	8/1/24 8:56	6.50	20.80	JC	8/1/2024	08:58	09:16	Bladder Pump	2"	3.0	166.7
078	G404	JC	7/31/24 12:06	4.40	14.10	JC	7/31/2024	12:06	12:19	Bladder Pump	2"	2.5	192.3
079	G405	JC	7/31/24 12:44	5.66	16.40	JC	7/31/2024	12:44	12:57	Bladder Pump	2"	2.5	192.3
080	G406	JC	8/1/24 9:44	10.81	22.30	JC	8/1/2024	09:44	10:00	Bladder Pump	2"	3.0	187.5
081	G407	JC	8/1/24 10:33	5.35	23.00	JC	8/1/2024	10:33	10:51	Bladder Pump	2"	3.0	166.7
082	G410	JC	8/2/24 8:57	8.69	16.70	JC	8/2/2024	08:59	09:12	Bladder Pump	2"	2.5	192.3
083	G411	JC	8/2/24 9:48	7.53	19.20	JC	8/2/2024	09:48	10:02	Bladder Pump	2"	2.5	178.6
084	L201	TAC	8/7/24 14:12	17.00	-	TAC	8/7/2024	14:14	14:15	Direct Grab		-	-
085	L202	TAC	8/7/24 14:18	20.00	-	TAC	8/7/2024	14:18	14:20	Direct Grab		-	-
086	L203	TAC	8/7/24 14:22	16.30	-	TAC	8/7/2024	14:22	14:24	Direct Grab		-	-
087	NE Riser	TAC	8/7/24 14:32	16.69		TAC	8/7/2024	14:32	14:35	Bladder Pump			
088	R104	JC	8/6/24 10:24	8.50	22.70	JC	8/6/2024	10:24	10:37	Bladder Pump	2"	3.0	230.8
089	R201	JC	8/6/24 12:38	4.40	22.20	JC	8/6/2024	12:40	13:04	Peristaltic Pump	2"	4.5	187.5
090	R205	PY	8/6/24 12:39	8.23	19.00	PY	8/6/2024	12:39	13:06	Bladder Pump	2"	10.0	370.4
091	SG-02	TAC	7/30/24 10:24	7.13	-								
092	SG-03	TAC	7/30/24 12:50	8.69	-								
093	T127	JC	8/5/24 10:52	14.98	21.28	JC	8/5/2024	10:56	11:28	Peristaltic Pump	2"	5.0	156.3
094	T128	JC	8/5/24 11:33	14.69	28.70	JC	8/5/2024	11:33	11:49	Bladder Pump	2"	3.0	187.5
095	X201	DC	8/7/24 14:42	21.28	-	DC	8/7/2024	14:40	14:45	Direct Grab			
096	XSG-01	TAC	7/30/24 11:58	6.33	-								
097	Field Blank	-	-	-	-	DC	-	-	-	Direct Grab		-	-
098	G102 Duplicate	JC	8/6/24 8:59	5.93	20.00	JC	8/6/2024	09:00	09:13	Bladder Pump	2"	2.5	192.3
099	G200 Duplicate	JC	8/6/24 11:59	4.51	20.70	JC	8/6/2024	12:01	12:16	Peristaltic Pump	2"	2.0	133.3
100	G217 Duplicate	PY	8/6/24 8:57	16.42	28.40	PY	8/6/2024	08:59	09:39	Bladder Pump	2"	14.0	350.0
101	G301 Duplicate	PY	8/5/24 9:57	8.03	18.60	PY	8/5/2024	10:05	10:36	Peristaltic Pump	2"	4.5	145.2
102	R201 Duplicate	JC	8/6/24 12:38	4.40	22.20	JC	8/6/2024	12:40	13:04	Peristaltic Pump	2"	4.5	187.5
103	G111	JC	8/6/24 9:30	14.26	24.30	JC	8/6/2024	09:30	09:45	Bladder Pump	2"	2.5	166.7
103	Equipment Blank 1												

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Summary

Coffeen- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
001	AP2D	TAC	08/07/24	09:40	Low Flow	223344	No	Clear	None	None	20.91	0.11
002	G1001	BG	08/02/24	10:26	Low Flow	45985	Yes	Clear	None	CLEAR	6.91	0.83
003	G1003											
004	G101	JC	08/05/24	14:37	Low Flow	218074	Yes	Clear	None	none	6.58	0
005	G102	JC	08/06/24	09:13	Low Flow	218074	Yes	Clear	None	none	6.00	0.07
006	G103	JC	08/06/24	10:14	Low Flow	218074	Yes	Clear	None	none	10.68	0
007	G105	JC	08/06/24	11:01	Low Flow	218074	Yes	Clear	Strong	none	9.16	0
008	G106	JC	08/06/24	11:22	Low Flow	218074	Yes	Clear	None	none	10.55	0
009	G107	JC	08/06/24	11:44	Low Flow	218074	Yes	Clear	None	none	11.23	0
010	G108	JC	08/05/24	09:31	Low Flow	218074	Yes	Clear	None	none	12.03	0
011	G109	JC	08/05/24	09:51	Low Flow	218074	Yes	Clear	None	none	12.40	0
012	G110	JC	08/05/24	10:09	Low Flow	218074	Yes	Clear	None	none	13.18	0
013	G111	JC	08/05/24	10:28	Low Flow	218074	Yes	Clear	None	none	14.22	0
014	G119	JC	08/05/24	12:15	Low Flow	218074	Yes	Clear	None	none	15.53	0
015	G120	JC	08/05/24	12:42	Low Flow	218074	Yes	Clear	None	none	16.04	0
016	G121	JC	08/05/24	12:58	Low Flow	218074	Yes	Clear	None	none	17.80	0
017	G122	JC	08/05/24	13:13	Low Flow	218074	Yes	Clear	None	none	18.06	0
018	G123	TAC	08/07/24	15:32	Low Flow	223344	Yes	Clear	None	None	15.79	0.58
019	G124	JC	08/05/24	13:58	Low Flow	218074	Yes	Clear	None	none	16.36	0
020	G125	JC	08/05/24	14:20	Low Flow	218074	Yes	Clear	None	none	16.29	0
021	G126	JC	08/05/24	10:45	Low Flow	218074	Yes	Clear	None	none	10.49	0
022	G151	JC	08/01/24	11:48	Low Flow	218074	Yes	Clear	None	none	11.78	0.04
023	G152	TAC	08/05/24	15:16	Low Flow	223344	Yes	Clear	None	None		
024	G153	JC	08/01/24	13:55	Low Flow	218074	Yes	Clear	None	none	13.68	0.47
025	G154	JC	08/01/24	13:09	Low Flow	218074	Yes	Clear	None	none	13.54	0.14
026	G155	JC	08/01/24	12:36	Low Flow	218074	Yes	Clear	None	none	14.03	1.22
027	G200	JC	08/06/24	12:16	Low Flow	218074	Yes	Clear	None	none	4.51	0
028	G206	BG	07/30/24	13:36	Low Flow	45985	Yes	Clear	Moderate	CLEAR	18.94	0.81
029	G206D	BG	07/30/24	13:06	Low Flow	45985	No	Clear	None	CLEAR	27.37	0.42
030	G207	BG	07/30/24	12:25	Low Flow	45985	Yes	Clear	None	CLEAR	14.03	0.27
031	G208	BG	07/30/24	10:16	Low Flow	45985	Yes	Clear	None	CLEAR	12.20	0.02
032	G209	BG	07/30/24	11:09	Low Flow	45985	Yes	Clear	None	cLEAR	12.87	1.12
033	G210	BG	07/30/24	11:47	Low Flow	45985	Yes	Clear	None	CLEAR	12.92	1.03
034	G211	bg	08/01/24	09:46	Low Flow	45985	Yes	Clear	None	clear	13.17	0.7
035	G212	BG	08/01/24	10:19	Low Flow	45985	Yes	Clear	None	CLEAR	13.88	0.35

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Summary

Coffeen- 3Q 2024

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
036	G213	BG	08/01/24	11:15	Low Flow	45985	Yes	Clear	None	CLEAR	15.73	1.21
037	G214	TAC	08/06/24	12:18	Low Flow	223344	Yes	Clear	None	None	17.94	1.44
038	G215	TAC	08/06/24	11:19	Low Flow	223344	Yes	Clear	None	None	16.42	0.58
039	G216	TAC	08/06/24	10:37	Low Flow	223344	Yes	Clear	None	None	15.99	0.95
040	G217	TAC	08/06/24	09:39	Low Flow	223344	Yes	Clear	None	None	17.39	0.97
041	G218	BG	07/31/24	10:03	Low Flow	45985	Yes	Clear	Slight	CLEAR	15.17	0.46
042	G219	BG	07/31/24	11:16	Low Flow	45985	Yes	Slightly cloudy	Slight	clear	8.56	1.01
043	G220	TAC	08/07/24	13:03	Low Flow	223344	Yes	Clear	None	None	14.44	0.26
044	G270	TAC	08/07/24	10:29	Low Flow	223344	Yes	Clear	None	None	7.99	0.4
045	G271	JC	07/31/24	11:24	Low Flow	218074	Yes	Clear	None	none	11.04	0.11
046	G272	JC	07/31/24	10:43	Low Flow	218074	Yes	Clear	None	none	11.11	0.09
047	G273	JC	07/31/24	10:02	Low Flow	218074	Yes	Clear	Slight	none	10.96	0.09
048	G274	JC	07/30/24	13:51	Low Flow	218074	Yes	Clear	None	none	14.44	0.24
049	G275	BG	08/01/24	12:27	Low Flow	45985	Yes	Slightly cloudy	None	CLEAR	dry	#VALUE!
050	G275D	BG	08/01/24	12:14	Low Flow	45985	No	Clear	None	CLEAR	40.30	0.63
051	G276	BG	07/31/24	12:33	Low Flow	45985	Yes	Clear	None	CLEAR	DRY	#VALUE!
052	G277	JC	07/30/24	12:39	Low Flow	218074	Yes	Clear	None	none	19.99	0
053	G278	BG	07/31/24	13:13	Low Flow	45985	No	Clear	None	CLEAR	25.04	2.01
054	G279	JC	07/30/24	10:56	Low Flow	218074	Yes	Clear	None	none	24.09	0.2
055	G280	JC	07/30/24	11:50	Low Flow	218074	Yes	Clear	None	none	5.84	0.35
056	G281	JC	07/30/24	10:13	Low Flow	218074	Yes	Clear	None	none	6.42	0.21
057	G283	TAC	08/07/24	13:52	Low Flow	223344	No	Clear	None	None	6.31	0.85
058	G284	TAC	08/07/24	11:25	Low Flow	223344	No	Clear	None	None	11.82	0.78
059	G285	TAC	08/07/24	12:03	Low Flow	223344	No	Clear	Moderate	None	7.35	2.39
060	G301	TAC	08/05/24	10:36	Low Flow	223344	No	Clear	None	None	9.34	1.31
061	G302	TAC	08/05/24	11:43	Low Flow	223344	No	Clear	Strong	None	12.80	0.84
062	G303	TAC	07/31/24	13:49	Low Flow	223344	No	Clear	None	None	8.82	2.01
063	G305	TAC	08/01/24	10:28	Low Flow	223344	No	Clear	None	None	8.38	0.16
064	G306	TAC	08/01/24	09:44	Low Flow	223344	No	Clear	None	None	10.06	2.84
065	G307	TAC	08/01/24	12:13	Low Flow	223344	No	Clear	None	None	1.05	0.16
066	G307D	TAC	08/01/24	11:41	Low Flow	223344	No	Clear	None	None	15.74	9.4
067	G308	TAC	08/01/24	12:56	Low Flow	223344	No	Clear	None	None	5.63	0.61
068	G310	TAC	08/01/24	13:47	Low Flow	223344	No	Clear	None	None	9.79	0.23
069	G312	TAC	08/05/24	12:55	Low Flow	223344	No	Clear	None	None	14.22	0.47
070	G313	TAC	07/31/24	12:53	Low Flow	223344	No	Clear	None	None	3.35	0.42

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

WO Sample	Well ID	Sampling Activities and Observations										
		Sampler Initials	Date	Time	Sampling Method	Instrument ID	Field Filtered	Appearance	Odor	Color	Post-Sample DTW (ft)	Drawdown (ft)
071	G314	TAC	07/31/24	11:48	Low Flow	223344	No	Clear	None	None	9.79	5.3
072	G314D	TAC	07/31/24	10:52	Low Flow	223344	No	Clear	None	None	14.62	7.83
073	G315	TAC	07/31/24	14:38	Low Flow	223344	No	Clear	None	None	3.09	0.45
074	G316	TAC	07/31/24	09:53	Low Flow	223344	No	Clear	None	None	12.46	0.95
075	G401	BG	08/02/24	09:24	Low Flow	45985	Yes	Slightly cloudy	None	none	21.72	0
076	G402	BG	08/01/24	14:16	Low Flow	45985	Yes	Slightly cloudy	Slight	NONE	11.34	0.48
077	G403	JC	08/01/24	09:16	Low Flow	218074	Yes	Clear	None	none	6.76	0.26
078	G404	JC	07/31/24	12:19	Low Flow	218074	Yes	Clear	None	none	4.45	0.05
079	G405	JC	07/31/24	12:57	Low Flow	218074	Yes	Clear	None	none	5.97	0.31
080	G406	JC	08/01/24	10:00	Low Flow	218074	Yes	Clear	None	none	10.97	0.16
081	G407	JC	08/01/24	10:51	Low Flow	218074	Yes	Clear	None	none	5.39	0.04
082	G410	JC	08/02/24	09:12	Low Flow	218074	Yes	Clear	None	none	8.69	0
083	G411	JC	08/02/24	10:02	Low Flow	218074	Yes	Clear	None	none	7.53	0
084	L201	TAC	08/07/24	14:15	Direct Sample	223344	No	Clear	Slight	None	14.90	-2.1
085	L202	TAC	08/07/24	14:20	Direct Sample	223344	No	Cloudy	Slight	Light brown	18.20	-1.8
086	L203	TAC	08/07/24	14:24	Direct Sample	223344	No	Clear	None	None	14.10	-2.2
087	NE Riser	TAC	08/07/24	14:35	Direct Sample	223344	No	Clear	None	None	16.69	0
088	R104	JC	08/06/24	10:37	Low Flow	218074	Yes	Clear	None	none	8.50	0
089	R201	JC	08/06/24	13:04	Low Flow	218074	Yes	Clear	None	none	4.40	0
090	R205	TAC	08/06/24	13:06	Low Flow	223344	Yes	Clear	None	None	8.99	0.76
091	SG-02											
092	SG-03											
093	T127	JC	08/05/24	11:28	Low Flow	218074	Yes	Clear	None	none	14.98	0
094	T128	JC	08/05/24	11:49	Low Flow	218074	Yes	Clear	None	none	14.69	0
095	X201	TAC	08/07/24	14:45	Direct Sample	223344	No				21.28	0
096	XSG-01											
097	Field Blank	DC	08/07/24	14:49	Direct Sample	-	No					
098	G102 Duplicate	JC	08/06/24	09:13	Low Flow	218074	Yes	Clear	None	none	6.00	0.07
099	G200 Duplicate	JC	08/06/24	12:16	Low Flow	218074	Yes	Clear	None	none	4.51	0
100	G217 Duplicate	TAC	08/06/24	09:39	Low Flow	223344	Yes	Clear	None	None	17.39	0.97
101	G301 Duplicate	TAC	08/05/24	10:36	Low Flow	223344	No	Clear	None	None	9.34	1.31
102	R201 Duplicate	JC	08/06/24	13:04	Low Flow	218074	Yes	Clear	None	none	4.40	0
103	G111	JC	08/06/24	09:45	Low Flow	218074	Yes	Clear	None	none	14.27	0.01
103	Equipment Blank 1											

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Summary

Coffeen- 3Q 2024

WO Sample	Well ID	COMMENTS
001	AP2D	
002	G1001	
003	G1003	Dry; no sample
004	G101	
005	G102	
006	G103	
007	G105	
008	G106	
009	G107	
010	G108	
011	G109	
012	G110	
013	G111	
014	G119	
015	G120	
016	G121	
017	G122	
018	G123	
019	G124	
020	G125	
021	G126	
022	G151	
023	G152	
024	G153	
025	G154	
026	G155	
027	G200	
028	G206	
029	G206D	
030	G207	
031	G208	
032	G209	
033	G210	
034	G211	
035	G212	

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Summary

Coffeen- 3Q 2024

WO Sample	Well ID	COMMENTS
036	G213	
037	G214	
038	G215	
039	G216	
040	G217	
041	G218	
042	G219	
043	G220	
044	G270	Bladder pump repaired in field (check ball).
045	G271	
046	G272	
047	G273	
048	G274	
049	G275	
050	G275D	
051	G276	
052	G277	
053	G278	Filter in lab.
054	G279	
055	G280	
056	G281	
057	G283	Need a clear path to get to well.
058	G284	
059	G285	
060	G301	
061	G302	
062	G303	
063	G305	
064	G306	
065	G307	
066	G307D	
067	G308	
068	G310	
069	G312	14.22 top of pump. Water level below it.
070	G313	

Site Sampling Event: COF-24Q3
 LIMS Workorder: 24071451
 Technician(s): DC, JC, TC, BG, PY

Groundwater Sampling Summary
 Coffeen- 3Q 2024

ATTACHMENT B.
 845 QUARTERLY REPORT - QUARTER 3, 2024
 COFFEEN POWER PLANT, ASH POND NO. 1
 COF-845-101

WO Sample	Well ID	COMMENTS
071	G314	
072	G314D	Bubbles in sample line
073	G315	
074	G316	
075	G401	DTW is T.O.P.
076	G402	
077	G403	
078	G404	
079	G405	
080	G406	
081	G407	
082	G410	
083	G411	
084	L201	
085	L202	
086	L203	
087	NE Riser	
088	R104	
089	R201	
090	R205	
091	SG-02	
092	SG-03	
093	T127	
094	T128	
095	X201	
096	XSG-01	
097	Field Blank	
098	G102 Duplicate	
099	G200 Duplicate	
100	G217 Duplicate	
101	G301 Duplicate	
102	R201 Duplicate	
103	G111	
103	Equipment Blank 1	No non-dedicated sample pumps used.

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Stabilized Field Parameter Summary
Coffeen- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
AP2D	8/7/2024	09:40	17.5	63.5	6.72	1,495.5	0.90	173.84	-29.0	20.80	24071451-001A
G1001	8/2/2024	10:26	20.8	69.4	6.99	1,077.2	2.36	3.54	-20.3	6.08	24071451-002A
G1003	8/5/2024		Dry; no sample							10.92	24071451-003A
G101	8/5/2024	14:37	16.7	62.0	7.29	854.6	1.05	29.42	-14.2	6.58	24071451-004A
G102	8/6/2024	09:13	17.7	63.8	7.22	537.1	1.99	26.31	201.2	5.93	24071451-005A
G103	8/6/2024	10:14	19.3	66.8	7.06	909.6	1.22	15.97	199.1	10.68	24071451-006A
G105	8/6/2024	11:01	20.1	68.2	7.15	877.7	0.62	8.12	-285.8	9.16	24071451-007A
G106	8/6/2024	11:22	20.0	67.9	7.05	919.0	1.19	5.52	-187.3	10.55	24071451-008A
G107	8/6/2024	11:44	18.5	65.3	7.18	787.6	2.60	53.78	-154.4	11.23	24071451-009A
G108	8/5/2024	09:31	21.5	70.6	7.13	795.7	1.16	20.94	229.8	12.03	24071451-010A
G109	8/5/2024	09:51	19.1	66.4	7.02	993.1	0.80	40.30	-16.8	12.40	24071451-011A
G110	8/5/2024	10:09	18.9	65.9	6.89	945.6	0.75	16.13	19.7	13.18	24071451-012A
G111	8/5/2024	10:28	19.5	67.1	7.07	948.9	0.99	5.46	29.6	14.22	24071451-013A
G119	8/5/2024	12:15	17.6	63.6	7.20	743.9	1.28	9.83	-23.3	15.53	24071451-014A
G120	8/5/2024	12:42	18.1	64.7	7.07	913.6	5.74	36.15	60.2	16.04	24071451-015A
G121	8/5/2024	12:58	17.6	63.7	6.97	1,000.5	3.60	7.83	78.6	17.80	24071451-016A
G122	8/5/2024	13:13	17.5	63.5	6.80	1,167.7	1.80	5.12	84.2	18.06	24071451-017A
G123	8/7/2024	15:32	16.6	62.0	6.89	752.5	1.01	44.81	102.3	15.21	24071451-018A
G124	8/5/2024	13:58	16.7	62.1	7.06	922.8	2.19	43.13	114.0	16.36	24071451-019A
G125	8/5/2024	14:20	17.6	63.7	7.09	932.8	1.16	9.85	-41.0	16.29	24071451-020A
G126	8/5/2024	10:45	19.0	66.1	7.10	852.4	1.12	2.32	-114.6	10.49	24071451-021A
G151	8/1/2024	11:48	17.5	63.6	7.23	914.7	1.52	28.58	-74.9	11.74	24071451-022A
G152	8/5/2024	15:16	19.3	66.7	7.04	659.5	1.86	7.49	-18.7	11.52	24071451-023A
G153	8/1/2024	13:55	16.6	61.9	6.78	4,001.8	1.30	8.30	39.9	13.21	24071451-024A
G154	8/1/2024	13:09	16.7	62.0	7.35	670.9	2.66	22.69	75.5	13.40	24071451-025A
G155	8/1/2024	12:36	17.8	64.1	7.19	996.5	1.16	31.90	-23.2	12.81	24071451-026A
G200	8/6/2024	12:16	19.0	66.2	7.12	899.3	1.03	5.56	-64.6	4.51	24071451-027A
G206	7/30/2024	13:36	19.1	66.3	7.29	899.1	0.56	48.96	-262.1	18.13	24071451-028A
G206D	7/30/2024	13:06	19.4	66.9	7.24	962.5	0.80	12.68	-73.5	26.95	24071451-029A
G207	7/30/2024	12:25	21.3	70.4	6.93	645.7	2.78	2.16	42.0	13.76	24071451-030A
G208	7/30/2024	10:16	20.1	68.1	7.07	563.6	2.32	7.56	84.5	12.18	24071451-031A
G209	7/30/2024	11:09	19.5	67.0	6.88	1,222.3	0.68	67.52	-42.2	11.75	24071451-032A
G210	7/30/2024	11:47	23.1	73.6	7.20	918.1	0.86	65.41	4.8	11.89	24071451-033A
G211	8/1/2024	09:46	20.4	68.7	7.31	800.5	0.81	74.84	18.5	12.47	24071451-034A
G212	8/1/2024	10:19	18.7	65.6	7.20	691.7	0.75	6.50	54.2	13.53	24071451-035A
G213	8/1/2024	11:15	18.3	64.9	7.09	671.8	0.70	5.48	11.8	14.52	24071451-036A
G214	8/6/2024	12:18	19.4	67.0	6.96	793.1	1.01	53.66	43.2	16.50	24071451-037A
G215	8/6/2024	11:19	18.6	65.5	6.82	1,374.8	0.66	146.11	-32.0	15.84	24071451-038A
G216	8/6/2024	10:37	18.8	65.8	6.80	1,702.2	1.17	135.50	-83.2	15.04	24071451-039A

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Stabilized Field Parameter Summary
Coffeen- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G217	8/6/2024	09:39	17.1	62.9	6.72	1,326.7	0.28	158.26	-92.9	16.42	24071451-040A
G218	7/31/2024	10:03	21.0	69.8	6.92	1,705.0	1.29	136.68	-101.2	14.71	24071451-041A
G219	7/31/2024	11:16	18.9	66.0	7.09	865.9	5.29	6.17	-16.6	7.55	24071451-042A
G220	8/7/2024	13:03	16.2	61.1	6.76	963.2	0.95	124.64	27.0	14.18	24071451-043A
G270	8/7/2024	10:29	17.8	64.0	6.93	556.5	1.06	53.76	-62.9	7.59	24071451-044A
G271	7/31/2024	11:24	17.4	63.4	7.14	1,038.9	3.07	1.82	196.6	10.93	24071451-045A
G272	7/31/2024	10:43	18.5	65.4	7.13	1,375.7	2.12	9.50	183.0	11.02	24071451-046A
G273	7/31/2024	10:02	18.5	65.4	6.98	1,570.6	1.09	4.43	73.1	10.87	24071451-047A
G274	7/30/2024	13:51	17.3	63.1	7.15	1,049.8	0.53	2.39	-2.1	14.20	24071451-048A
G275	8/1/2024	12:27	18.6	65.4	6.95	1,208.6	0.93	8.45	-29.2	13.29	24071451-049A
G275D	8/1/2024	12:14	16.7	62.0	7.28	1,489.6	0.64	8.49	-132.4	39.67	24071451-050A
G276	7/31/2024	12:33	19.7	67.4	6.87	1,322.9	3.83	3.49	64.4	27.79	24071451-051A
G277	7/30/2024	12:39	20.3	68.5	6.86	2,651.8	3.08	14.92	111.7	19.99	24071451-052A
G278	7/31/2024	13:13	17.1	62.9	6.70	5,375.9	1.36	52.30	102.4	23.03	24071451-053A
G279	7/30/2024	10:56	17.7	63.9	6.61	6,422.1	0.42	3.87	152.9	23.89	24071451-054A
G280	7/30/2024	11:50	17.2	63.0	7.36	867.3	0.35	62.56	89.4	5.49	24071451-055A
G281	7/30/2024	10:13	19.4	67.0	6.98	1,352.6	1.14	37.78	76.0	6.21	24071451-056A
G283	8/7/2024	13:52	16.7	62.1	6.92	957.7	0.73	48.29	-74.5	5.46	24071451-057A
G284	8/7/2024	11:25	17.6	63.6	6.91	590.4	2.04	5.17	63.3	11.04	24071451-058A
G285	8/7/2024	12:03	19.5	67.1	6.58	1,621.1	1.43	34.82	-116.2	4.96	24071451-059A
G301	8/5/2024	10:36	18.9	66.1	6.47	910.2	0.28	5.21	-45.0	8.03	24071451-060A
G302	8/5/2024	11:43	18.7	65.6	6.63	1,297.3	0.50	13.60	-67.0	11.96	24071451-061A
G303	7/31/2024	13:49	17.4	63.4	6.73	1,795.1	0.95	59.89	-37.0	6.81	24071451-062A
G305	8/1/2024	10:28	18.3	64.9	7.06	1,482.1	0.80	2.09	-52.0	8.22	24071451-063A
G306	8/1/2024	09:44	16.5	61.7	6.29	624.5	0.76	209.69	93.7	7.22	24071451-064A
G307	8/1/2024	12:13	21.2	70.1	6.95	1,000.7	0.67	9.31	-103.2	0.89	24071451-065A
G307D	8/1/2024	11:41	19.7	67.4	7.07	1,059.2	2.32	30.06	-56.4	6.34	24071451-066A
G308	8/1/2024	12:56	17.8	64.0	7.03	1,542.2	0.31	3.28	-10.8	5.02	24071451-067A
G310	8/1/2024	13:47	18.4	65.1	6.94	1,184.1	0.45	3.43	39.5	9.56	24071451-068A
G312	8/5/2024	12:55	18.0	64.5	6.38	1,772.4	0.85	6.69	21.9	13.75	24071451-069A
G313	7/31/2024	12:53	20.0	68.0	6.73	1,588.3	0.34	9.40	32.6	2.93	24071451-070A
G314	7/31/2024	11:48	18.2	64.8	6.45	3,284.4	0.29	35.61	-33.4	4.49	24071451-071A
G314D	7/31/2024	10:52	18.1	64.6	6.74	2,553.0	0.25	201.30	-62.3	6.79	24071451-072A
G315	7/31/2024	14:38	18.7	65.6	6.71	1,115.8	0.36	10.05	43.2	2.64	24071451-073A
G316	7/31/2024	09:53	17.3	63.2	6.74	1,739.6	0.36	6.85	-105.8	11.51	24071451-074A
G401	8/2/2024	09:24	17.5	63.4	5.82	2,829.6	0.84	7.77	19.4	21.72	24071451-075A
G402	8/1/2024	14:16	17.9	64.2	6.95	1,631.1	7.00	26.09	75.9	10.86	24071451-076A
G403	8/1/2024	09:16	19.2	66.6	6.81	739.7	0.87	16.33	201.0	6.50	24071451-077A
G404	7/31/2024	12:19	19.8	67.7	6.72	1,465.2	0.83	4.14	138.6	4.40	24071451-078A

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Stabilized Field Parameter Summary

Coffeen- 3Q 2024

Well ID	Date	Time	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	LIMS ID
G405	7/31/2024	12:57	19.3	66.7	6.87	1,960.6	0.73	18.80	79.5	5.66	24071451-079A
G406	8/1/2024	10:00	18.2	64.7	6.59	1,386.8	0.87	2.33	240.2	10.81	24071451-080A
G407	8/1/2024	10:51	17.4	63.3	6.75	2,111.0	0.81	29.26	215.4	5.35	24071451-081A
G410	8/2/2024	09:12	17.5	63.5	6.44	1,136.2	1.01	2.58	180.7	8.69	24071451-082A
G411	8/2/2024	10:02	16.4	61.4	7.25	877.6	0.87	3.20	208.8	7.53	24071451-083A
L201	8/7/2024	14:15	18.1	64.6	11.60	5,169.9	7.15	1.43	-78.1	17.00	24071451-084A
L202	8/7/2024	14:20	20.7	69.3	11.58	12,132.5	2.80	111.78	-72.4	20.00	24071451-085A
L203	8/7/2024	14:24	21.0	69.9	11.57	11,004.1	6.92	3.41	-59.7	16.30	24071451-086A
NE Riser	8/7/2024	14:35	22.3	72.1	6.15	13,292.6	2.58	1.55	132.8	16.69	24071451-087A
R104	8/6/2024	10:37	19.3	66.7	7.32	803.7	2.37	28.01	200.5	8.50	24071451-088A
R201	8/6/2024	13:04	18.5	65.3	7.00	1,120.5	1.41	7.06	-105.4	4.40	24071451-089A
R205	8/6/2024	13:06	17.6	63.8	6.68	1,047.0	0.24	468.00	42.6	8.23	24071451-090A
SG-02	7/30/2024	10:24	DTW Only							7.13	24071451-091A
SG-03	7/30/2024	12:50	DTW Only							8.69	24071451-092A
T127	8/5/2024	11:28	22.9	73.1	7.10	818.1	1.69	6.94	18.1	14.98	24071451-093A
T128	8/5/2024	11:49	20.1	68.1	7.12	779.1	0.86	3.25	-112.2	14.69	24071451-094A
X201	8/7/2024	14:45	27.6	81.7	5.67	16,063.0	8.24	1.68	180.9	21.28	24071451-095A
XSG-01	7/30/2024	11:58	DTW Only							6.33	24071451-096A
Field Blank	8/7/2024	14:49	QA/QC Sample							-	24071451-097A
G102 Duplicate	8/6/2024	09:13	17.7	63.8	7.22	537.1	1.99	26.31	201.2	5.93	24071451-098A
G200 Duplicate	8/6/2024	12:16	19.0	66.2	7.12	899.3	1.03	5.56	-64.6	4.51	24071451-099A
G217 Duplicate	8/6/2024	09:39	17.1	62.9	6.72	1,326.7	0.28	158.26	-92.9	16.42	24071451-100A
G301 Duplicate	8/5/2024	10:36	18.9	66.1	6.47	910.2	0.28	5.21	-45.0	8.03	24071451-101A
R201 Duplicate	8/6/2024	13:04	18.5	65.3	7.00	1,120.5	1.41	7.06	-105.4	4.40	24071451-102A
G111	8/6/2024	9:45	20.9	69.6	7.03	946.4	1.30	3.78	174.3	14.26	24071451-103A

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
AP2D	8/7/2024	9:31	20.80	17.4	63.3	6.72	1,498.6	1.04	104.77	-25.2
AP2D	8/7/2024	9:34	20.80	17.3	63.2	6.72	1,499.1	0.96	111.42	-27.1
AP2D	8/7/2024	9:37	20.80	17.4	63.4	6.72	1,497.4	0.94	140.54	-28.3
AP2D	8/7/2024	9:40	20.80	17.5	63.5	6.72	1,495.5	0.90	173.84	-29.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1001	8/2/2024	10:11	6.08	20.1	68.2	6.80	1,653.6	3.35	23.23	-26.4
G1001	8/2/2024	10:14	6.08	20.4	68.7	6.87	1,442.9	2.99	18.82	-25.6
G1001	8/2/2024	10:17	6.08	20.5	68.9	6.94	1,192.0	2.70	7.63	-24.7
G1001	8/2/2024	10:20	6.08	20.8	69.5	6.99	1,020.8	2.61	4.49	-24.1
G1001	8/2/2024	10:23	6.08	20.9	69.6	7.00	1,063.1	2.52	3.84	-22.4
G1001	8/2/2024	10:26	6.08	20.8	69.4	6.99	1,077.2	2.36	3.54	-20.3

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G1003	8/5/2024	13:40	10.92	Dry; no sample						

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G101	8/5/2024	14:28	6.58	17.1	62.7	7.29	865.7	1.53	19.89	-17.6
G101	8/5/2024	14:31	6.58	16.9	62.3	7.29	863.6	1.18	23.10	-17.0
G101	8/5/2024	14:34	6.58	16.7	62.0	7.29	860.7	1.09	24.89	-15.8
G101	8/5/2024	14:37	6.58	16.7	62.0	7.29	854.6	1.05	29.42	-14.2

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102	8/6/2024	9:04	5.93	17.8	64.0	7.29	591.4	2.19	14.32	201.2
G102	8/6/2024	9:07	5.93	17.7	63.9	7.25	560.1	2.06	15.16	202.4
G102	8/6/2024	9:10	5.93	17.8	64.0	7.23	542.6	2.03	21.74	201.9
G102	8/6/2024	9:13	5.93	17.7	63.8	7.22	537.1	1.99	26.31	201.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G103	8/6/2024	10:02	10.68	18.8	65.8	7.11	914.1	2.26	5.85	207.1
G103	8/6/2024	10:05	10.68	19.2	66.5	7.08	906.8	1.72	8.89	205.8
G103	8/6/2024	10:08	10.68	19.2	66.6	7.07	910.0	1.41	10.55	203.5
G103	8/6/2024	10:11	10.68	19.2	66.5	7.06	911.4	1.30	13.00	201.2
G103	8/6/2024	10:14	10.68	19.3	66.8	7.06	909.6	1.22	15.97	199.1

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G105	8/6/2024	10:52	9.16	20.3	68.6	7.12	863.5	1.01	6.24	-231.2
G105	8/6/2024	10:55	9.16	21.8	71.2	7.15	879.4	0.72	6.53	-266.0
G105	8/6/2024	10:58	9.16	20.8	69.4	7.15	891.8	0.64	6.87	-281.2
G105	8/6/2024	11:01	9.16	20.1	68.2	7.15	877.7	0.62	8.12	-285.8

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G106	8/6/2024	11:06	10.55	23.7	74.6	8.25	4.8	8.41	8.41	-205.1
G106	8/6/2024	11:10	10.55	19.8	67.6	7.21	932.7	1.97	2.50	-189.1
G106	8/6/2024	11:13	10.55	19.8	67.6	7.12	925.5	1.22	2.46	-192.2
G106	8/6/2024	11:16	10.55	19.9	67.8	7.08	922.9	1.21	3.20	-190.1
G106	8/6/2024	11:19	10.55	19.9	67.9	7.06	919.4	1.21	5.06	-188.6
G106	8/6/2024	11:22	10.55	20.0	67.9	7.05	919.0	1.19	5.52	-187.3

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G107	8/6/2024	11:29	11.23	18.6	65.5	7.27	787.0	3.03	8.37	-167.6
G107	8/6/2024	11:32	11.23	18.5	65.4	7.22	785.9	2.17	18.41	-167.9
G107	8/6/2024	11:35	11.23	18.5	65.4	7.20	785.4	2.44	33.18	-162.8
G107	8/6/2024	11:38	11.23	18.5	65.3	7.20	785.7	2.70	53.43	-159.5
G107	8/6/2024	11:41	11.23	18.5	65.3	7.19	786.3	2.63	42.32	-157.1
G107	8/6/2024	11:44	11.23	18.5	65.3	7.18	787.6	2.60	53.78	-154.4

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G108	8/5/2024	9:16	12.03	19.8	67.6	7.17	785.5	2.52	5.02	244.1
G108	8/5/2024	9:19	12.03	20.5	68.8	7.15	794.8	1.84	6.29	242.1
G108	8/5/2024	9:22	12.03	21.0	69.8	7.14	797.4	1.50	8.44	238.9
G108	8/5/2024	9:25	12.03	21.2	70.1	7.14	797.1	1.33	11.32	235.5
G108	8/5/2024	9:25	12.03	21.2	70.1	7.13	797.2	1.31	12.01	234.9
G108	8/5/2024	9:28	12.03	21.4	70.6	7.13	796.4	1.21	16.37	232.0
G108	8/5/2024	9:31	12.03	21.5	70.6	7.13	795.7	1.16	20.94	229.8

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G109	8/5/2024	9:39	12.40	18.9	65.9	7.04	991.0	1.94	8.36	25.8
G109	8/5/2024	9:42	12.40	19.2	66.5	7.01	993.3	1.08	650.44	0.5
G109	8/5/2024	9:45	12.40	19.2	66.6	7.01	993.6	0.88	39.03	-7.9
G109	8/5/2024	9:48	12.40	19.1	66.4	7.01	992.9	0.83	40.88	-13.3
G109	8/5/2024	9:51	12.40	19.1	66.4	7.02	993.1	0.80	40.30	-16.8

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G110	8/5/2024	10:00	13.18	18.4	65.1	6.93	946.9	1.03	6.77	26.6
G110	8/5/2024	10:03	13.18	18.8	65.8	6.89	944.0	0.84	10.27	19.7
G110	8/5/2024	10:06	13.18	18.8	65.9	6.88	942.8	0.78	12.97	19.0
G110	8/5/2024	10:09	13.18	18.9	65.9	6.89	945.6	0.75	16.13	19.7

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G111	8/5/2024	10:19	14.22	18.0	64.4	7.11	965.4	1.54	6.00	62.0
G111	8/5/2024	10:22	14.22	19.3	66.8	7.08	954.1	1.14	5.17	42.1
G111	8/5/2024	10:25	14.22	19.6	67.3	7.07	951.0	1.04	5.03	31.9
G111	8/5/2024	10:28	14.22	19.5	67.1	7.07	948.9	0.99	5.46	29.6
G111	8/6/2024	9:33	14.26	19.3	66.8	7.08	933.3	5.43	3.81	172.5
G111	8/6/2024	9:36	14.26	20.2	68.4	7.04	944.2	2.72	3.98	176.3
G111	8/6/2024	9:39	14.26	20.6	69.0	7.03	948.8	1.67	3.55	176.2
G111	8/6/2024	9:42	14.26	20.7	69.2	7.03	948.0	1.38	3.69	175.3
G111	8/6/2024	9:45	14.26	20.9	69.6	7.03	946.4	1.30	3.78	174.3

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G119	8/5/2024	11:57	15.53	18.2	64.7	7.26	745.4	3.15	7.10	-37.8
G119	8/5/2024	12:00	15.53	17.9	64.1	7.23	745.6	2.38	6.94	-34.0
G119	8/5/2024	12:03	15.53	17.8	64.0	7.22	745.7	1.92	6.63	-31.2
G119	8/5/2024	12:06	15.53	17.8	64.0	7.21	745.8	1.65	5.87	-28.9
G119	8/5/2024	12:09	15.53	17.6	63.7	7.20	746.3	1.48	6.37	-26.7
G119	8/5/2024	12:12	15.53	17.6	63.6	7.20	744.6	1.39	8.23	-24.8
G119	8/5/2024	12:15	15.53	17.6	63.6	7.20	743.9	1.28	9.83	-23.3

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G120	8/5/2024	12:24	16.04	18.2	64.7	7.06	908.8	4.71	8.11	24.7
G120	8/5/2024	12:27	16.04	18.2	64.7	7.05	909.3	4.74	11.10	30.2
G120	8/5/2024	12:30	16.04	18.2	64.7	7.05	906.7	4.95	21.02	35.8
G120	8/5/2024	12:33	16.04	18.2	64.7	7.08	902.9	5.35	24.59	41.7
G120	8/5/2024	12:36	16.04	18.1	64.6	7.12	900.1	5.71	28.64	47.7
G120	8/5/2024	12:39	16.04	18.2	64.7	7.10	907.5	5.83	31.48	54.4
G120	8/5/2024	12:42	16.04	18.1	64.7	7.07	913.6	5.74	36.15	60.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G121	8/5/2024	12:49	17.80	18.0	64.5	7.06	1,003.3	3.55	29.00	77.5
G121	8/5/2024	12:52	17.80	17.7	63.9	6.98	1,003.0	3.50	12.61	77.7
G121	8/5/2024	12:55	17.80	17.7	63.8	6.97	1,000.8	3.48	9.74	77.3
G121	8/5/2024	12:58	17.80	17.6	63.7	6.97	1,000.5	3.60	7.83	78.6

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G122	8/5/2024	13:04	18.06	17.2	62.9	6.89	1,212.3	2.96	4.73	97.4
G122	8/5/2024	13:07	18.06	17.5	63.5	6.81	1,179.8	1.95	5.64	92.5
G122	8/5/2024	13:10	18.06	17.5	63.5	6.80	1,171.7	1.81	6.40	87.4
G122	8/5/2024	13:13	18.06	17.5	63.5	6.80	1,167.7	1.80	5.12	84.2

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G123	8/7/2024	15:20	15.21	16.8	62.2	6.87	754.8	1.46	28.24	111.1
G123	8/7/2024	15:23	15.21	16.7	62.1	6.88	754.4	1.18	29.91	109.5
G123	8/7/2024	15:26	15.21	16.7	62.0	6.88	754.1	1.07	30.80	108.0
G123	8/7/2024	15:29	15.21	16.7	62.0	6.88	753.4	1.04	36.34	106.1
G123	8/7/2024	15:32	15.21	16.6	62.0	6.89	752.5	1.01	44.81	102.3

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G124	8/5/2024	13:43	16.36	17.3	63.1	7.11	939.2	2.65	3.16	127.9
G124	8/5/2024	13:46	16.36	16.8	62.3	7.06	934.9	1.62	3.06	128.1
G124	8/5/2024	13:49	16.36	16.8	62.2	7.05	930.1	1.91	7.68	123.5
G124	8/5/2024	13:52	16.36	16.7	62.1	7.06	925.4	2.21	14.17	120.1
G124	8/5/2024	13:55	16.36	16.7	62.0	7.06	924.0	2.25	23.98	117.0
G124	8/5/2024	13:58	16.36	16.7	62.1	7.06	922.8	2.19	43.13	114.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G125	8/5/2024	14:11	16.29	17.8	64.1	7.05	928.0	1.19	12.60	-3.5
G125	8/5/2024	14:14	16.29	17.8	64.0	7.06	927.5	1.16	12.89	-23.8
G125	8/5/2024	14:17	16.29	17.5	63.6	7.07	929.7	1.20	11.80	-34.7
G125	8/5/2024	14:20	16.29	17.6	63.7	7.09	932.8	1.16	9.85	-41.0

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G126	8/5/2024	10:36	10.49	19.6	67.2	7.17	931.5	2.16	3.92	-109.7
G126	8/5/2024	10:39	10.49	19.1	66.4	7.15	908.1	1.21	3.31	-128.1
G126	8/5/2024	10:42	10.49	19.0	66.1	7.12	858.7	1.12	2.84	-122.0
G126	8/5/2024	10:45	10.49	19.0	66.1	7.10	852.4	1.12	2.32	-114.6

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G151	8/1/2024	11:33	11.74	17.5	63.5	7.27	950.3	2.03	6.17	-80.9
G151	8/1/2024	11:36	11.74	17.6	63.7	7.26	920.7	1.74	10.55	-89.1
G151	8/1/2024	11:39	11.74	17.6	63.7	7.24	918.3	1.60	14.73	-86.0
G151	8/1/2024	11:42	11.74	17.6	63.6	7.23	911.7	1.64	27.10	-81.8
G151	8/1/2024	11:45	11.74	17.7	63.9	7.23	843.6	1.64	18.10	-78.0
G151	8/1/2024	11:48	11.74	17.5	63.6	7.23	914.7	1.52	28.58	-74.9

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G152	8/5/2024	14:46	11.52	20.1	68.1	7.06	692.4	4.29	20.98	-27.2
G152	8/5/2024	14:49	11.52	20.2	68.3	7.06	685.7	3.91	19.05	-25.9
G152	8/5/2024	14:52	11.52	20.1	68.2	7.05	682.1	3.60	15.54	-25.9
G152	8/5/2024	14:55	11.52	20.1	68.2	7.05	678.2	3.33	16.05	-25.0
G152	8/5/2024	14:58	11.52	19.9	67.8	7.05	675.0	3.08	12.83	-23.8
G152	8/5/2024	15:01	11.52	20.0	67.9	7.05	672.8	2.82	17.32	-22.5
G152	8/5/2024	15:04	11.52	19.9	67.9	7.04	672.4	2.56	10.73	-21.5
G152	8/5/2024	15:07	11.52	20.0	68.0	7.04	668.3	2.31	10.26	-20.9
G152	8/5/2024	15:10	11.52	19.8	67.6	7.04	664.2	2.29	10.69	-20.6
G152	8/5/2024	15:13	11.52	19.5	67.1	7.04	663.0	1.99	10.89	-19.6
G152	8/5/2024	15:16	11.52	19.3	66.7	7.04	659.5	1.86	7.49	-18.7

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G153	8/1/2024	13:43	13.21	16.5	61.7	6.75	4,141.4	1.25	2.72	69.3
G153	8/1/2024	13:46	13.21	16.5	61.7	6.75	4,016.1	1.17	3.87	48.7
G153	8/1/2024	13:49	13.21	16.5	61.7	6.77	4,000.2	1.46	5.39	43.5
G153	8/1/2024	13:52	13.21	16.5	61.7	6.77	4,004.0	1.45	6.48	41.7
G153	8/1/2024	13:55	13.21	16.6	61.9	6.78	4,001.8	1.30	8.30	39.9

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G154	8/1/2024	13:00	13.40	16.9	62.5	7.36	675.1	2.88	52.59	80.7
G154	8/1/2024	13:03	13.40	16.8	62.2	7.35	672.9	2.74	27.10	78.2
G154	8/1/2024	13:06	13.40	16.8	62.2	7.35	672.2	2.70	23.39	76.5
G154	8/1/2024	13:09	13.40	16.7	62.0	7.35	670.9	2.66	22.69	75.5

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G155	8/1/2024	12:24	12.81	17.9	64.3	7.20	1,010.1	1.45	65.85	-34.8
G155	8/1/2024	12:27	12.81	18.0	64.4	7.19	1,003.6	1.42	50.93	-32.1
G155	8/1/2024	12:30	12.81	18.0	64.4	7.19	998.6	1.31	34.07	-29.0
G155	8/1/2024	12:33	12.81	18.0	64.3	7.19	997.3	1.23	34.85	-25.9
G155	8/1/2024	12:36	12.81	17.8	64.1	7.19	996.5	1.16	31.90	-23.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200	8/6/2024	12:04	4.51	20.8	69.5	7.21	883.4	1.86	1.83	-74.8
G200	8/6/2024	12:07	4.51	20.1	68.2	7.18	879.6	1.41	1.93	-73.8
G200	8/6/2024	12:10	4.51	19.5	67.2	7.17	879.0	1.19	2.40	-70.4
G200	8/6/2024	12:13	4.51	19.0	66.3	7.15	889.6	1.09	2.72	-67.6
G200	8/6/2024	12:16	4.51	19.0	66.2	7.12	899.3	1.03	5.56	-64.6

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206	7/30/2024	13:27	18.13	19.1	66.3	7.32	900.3	0.61	37.77	-250.2
G206	7/30/2024	13:30	18.13	19.1	66.4	7.31	898.1	0.59	40.73	-256.4
G206	7/30/2024	13:33	18.13	19.1	66.4	7.30	898.1	0.57	43.97	-259.4
G206	7/30/2024	13:36	18.13	19.1	66.3	7.29	899.1	0.56	48.96	-262.1

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G206D	7/30/2024	12:51	26.95	19.7	67.5	7.13	973.5	1.16	13.16	-16.5
G206D	7/30/2024	12:54	26.95	19.6	67.2	7.18	969.6	1.02	15.28	-32.3
G206D	7/30/2024	12:57	26.95	19.5	67.1	7.20	968.8	0.94	12.50	-45.6
G206D	7/30/2024	13:00	26.95	19.5	67.0	7.21	965.6	0.87	12.37	-56.9
G206D	7/30/2024	13:03	26.95	19.4	66.9	7.23	963.6	0.83	12.00	-65.9
G206D	7/30/2024	13:06	26.95	19.4	66.9	7.24	962.5	0.80	12.68	-73.5

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G207	7/30/2024	12:16	13.76	22.4	72.3	7.02	644.7	3.69	2.27	40.0
G207	7/30/2024	12:19	13.76	22.0	71.6	6.98	650.8	3.27	2.87	40.3
G207	7/30/2024	12:22	13.76	21.7	71.1	6.96	648.1	3.00	3.41	40.9
G207	7/30/2024	12:25	13.76	21.3	70.4	6.93	645.7	2.78	2.16	42.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G208	7/30/2024	10:07	12.18	19.1	66.4	6.99	579.5	2.73	7.28	80.9
G208	7/30/2024	10:10	12.18	19.5	67.1	7.03	574.6	2.56	5.88	81.7
G208	7/30/2024	10:13	12.18	19.8	67.7	7.05	569.9	2.39	5.96	83.1
G208	7/30/2024	10:16	12.18	20.1	68.1	7.07	563.6	2.32	7.56	84.5

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G209	7/30/2024	10:48	11.75	19.5	67.1	6.89	1,230.7	0.81	13.92	-32.7
G209	7/30/2024	10:51	11.75	19.6	67.2	6.88	1,231.8	0.77	28.20	-35.9
G209	7/30/2024	10:54	11.75	19.6	67.2	6.88	1,231.1	0.74	41.70	-38.1
G209	7/30/2024	10:57	11.75	19.7	67.4	6.88	1,229.2	0.73	45.02	-39.7
G209	7/30/2024	11:00	11.75	19.5	67.1	6.88	1,231.3	0.71	51.62	-40.8
G209	7/30/2024	11:03	11.75	19.4	67.0	6.88	1,228.5	0.70	58.50	-41.5
G209	7/30/2024	11:06	11.75	19.4	66.9	6.88	1,223.6	0.69	63.27	-41.9
G209	7/30/2024	11:09	11.75	19.5	67.0	6.88	1,222.3	0.68	67.52	-42.2

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G210	7/30/2024	11:35	11.89	22.3	72.2	7.25	910.7	1.66	118.27	28.2
G210	7/30/2024	11:38	11.89	22.8	73.0	7.23	916.8	1.28	110.83	21.8
G210	7/30/2024	11:41	11.89	22.8	73.1	7.21	918.0	1.03	90.70	15.1
G210	7/30/2024	11:44	11.89	22.8	73.1	7.20	918.6	0.91	75.53	9.5
G210	7/30/2024	11:47	11.89	23.1	73.6	7.20	918.1	0.86	65.41	4.8

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G211	8/1/2024	9:34	12.47	20.6	69.1	7.33	801.1	0.88	68.42	13.0
G211	8/1/2024	9:37	12.47	20.5	68.9	7.32	802.3	0.86	81.58	14.7
G211	8/1/2024	9:40	12.47	20.4	68.8	7.32	800.2	0.83	87.06	16.1
G211	8/1/2024	9:43	12.47	20.4	68.7	7.32	800.2	0.82	83.85	17.4
G211	8/1/2024	9:46	12.47	20.4	68.7	7.31	800.5	0.81	74.84	18.5

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G212	8/1/2024	10:07	13.53	19.0	66.2	7.16	686.0	0.92	3.34	57.1
G212	8/1/2024	10:10	13.53	19.0	66.1	7.18	688.8	0.85	4.84	56.5
G212	8/1/2024	10:13	13.53	18.9	66.0	7.19	689.1	0.81	4.99	55.6
G212	8/1/2024	10:16	13.53	18.8	65.9	7.19	690.0	0.77	5.92	54.9
G212	8/1/2024	10:19	13.53	18.7	65.6	7.20	691.7	0.75	6.50	54.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G213	8/1/2024	11:00	14.52	18.6	65.5	7.09	672.9	0.78	12.48	19.6
G213	8/1/2024	11:03	14.52	18.7	65.7	7.09	672.5	0.75	6.59	17.5
G213	8/1/2024	11:06	14.52	18.8	65.8	7.09	673.0	0.73	3.98	15.5
G213	8/1/2024	11:09	14.52	18.9	66.0	7.09	673.7	0.71	8.88	13.8
G213	8/1/2024	11:12	14.52	18.6	65.6	7.09	673.3	0.70	4.62	12.6
G213	8/1/2024	11:15	14.52	18.3	64.9	7.09	671.8	0.70	5.48	11.8

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G214	8/6/2024	12:03	16.50	19.4	66.9	6.98	775.1	1.82	10.87	47.5
G214	8/6/2024	12:06	16.50	19.3	66.7	6.97	786.8	1.53	16.41	46.1
G214	8/6/2024	12:09	16.50	19.3	66.7	6.96	795.5	1.29	25.37	44.9
G214	8/6/2024	12:12	16.50	19.3	66.8	6.96	795.8	1.17	35.19	44.1
G214	8/6/2024	12:15	16.50	19.3	66.7	6.96	793.6	1.10	44.53	43.6
G214	8/6/2024	12:18	16.50	19.4	67.0	6.96	793.1	1.01	53.66	43.2

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G215	8/6/2024	11:07	15.84	18.9	66.0	6.82	1,383.1	0.93	145.82	-28.8
G215	8/6/2024	11:10	15.84	18.7	65.6	6.82	1,377.1	0.82	118.91	-29.8
G215	8/6/2024	11:13	15.84	18.8	65.8	6.82	1,373.8	0.76	119.50	-30.7
G215	8/6/2024	11:16	15.84	18.7	65.6	6.82	1,375.4	0.69	129.77	-31.4
G215	8/6/2024	11:19	15.84	18.6	65.5	6.82	1,374.8	0.66	146.11	-32.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G216	8/6/2024	10:25	15.04	18.9	66.0	6.80	1,702.0	1.55	31.39	-86.2
G216	8/6/2024	10:28	15.04	18.7	65.7	6.80	1,698.8	1.33	53.57	-84.7
G216	8/6/2024	10:31	15.04	18.8	65.9	6.79	1,697.5	1.27	97.34	-83.4
G216	8/6/2024	10:34	15.04	18.8	65.9	6.79	1,703.7	1.37	111.45	-82.8
G216	8/6/2024	10:37	15.04	18.8	65.8	6.80	1,702.2	1.17	135.50	-83.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217	8/6/2024	9:21	16.42	17.1	62.8	6.70	1,323.4	0.34	17.01	-94.9
G217	8/6/2024	9:24	16.42	17.1	62.7	6.71	1,325.0	0.32	52.13	-96.1
G217	8/6/2024	9:27	16.42	17.1	62.7	6.71	1,324.6	0.31	67.86	-95.4
G217	8/6/2024	9:30	16.42	17.1	62.8	6.72	1,326.2	0.30	88.00	-95.3
G217	8/6/2024	9:33	16.42	17.2	62.9	6.72	1,325.3	0.30	102.80	-93.2
G217	8/6/2024	9:36	16.42	17.2	62.9	6.72	1,325.6	0.29	111.98	-92.7
G217	8/6/2024	9:39	16.42	17.1	62.9	6.72	1,326.7	0.28	158.26	-92.9

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G218	7/31/2024	9:45	14.71	19.7	67.4	6.93	1,686.2	1.45	74.32	-94.8
G218	7/31/2024	9:48	14.71	19.7	67.5	6.92	1,693.8	1.43	79.77	-95.4
G218	7/31/2024	9:51	14.71	20.0	67.9	6.92	1,695.6	1.40	88.15	-97.1
G218	7/31/2024	9:54	14.71	20.2	68.3	6.92	1,698.5	1.36	92.76	-99.3
G218	7/31/2024	9:57	14.71	20.4	68.6	6.92	1,697.9	1.33	102.13	-100.8
G218	7/31/2024	10:00	14.71	20.6	69.1	6.92	1,699.9	1.30	110.88	-101.5
G218	7/31/2024	10:03	14.71	21.0	69.8	6.92	1,705.0	1.29	136.68	-101.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G219	7/31/2024	10:55	7.55	19.5	67.1	7.10	867.3	4.96	10.02	-20.9
G219	7/31/2024	10:58	7.55	19.4	66.9	7.10	870.0	4.98	28.33	-19.6
G219	7/31/2024	11:01	7.55	19.2	66.5	7.09	869.3	4.97	15.90	-18.7
G219	7/31/2024	11:04	7.55	19.2	66.5	7.09	869.7	5.01	524.32	-18.3
G219	7/31/2024	11:07	7.55	19.0	66.2	7.09	869.0	5.04	5.18	-18.2
G219	7/31/2024	11:10	7.55	19.1	66.4	7.09	868.0	5.15	3.18	-17.9
G219	7/31/2024	11:13	7.55	19.0	66.1	7.09	868.1	5.24	2.48	-17.3
G219	7/31/2024	11:16	7.55	18.9	66.0	7.09	865.9	5.29	6.17	-16.6

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G220	8/7/2024	12:51	14.18	16.2	61.2	6.77	965.6	1.30	64.35	17.5
G220	8/7/2024	12:54	14.18	16.1	61.0	6.77	961.7	1.15	61.33	21.1
G220	8/7/2024	12:57	14.18	16.2	61.2	6.77	961.3	1.04	74.93	23.4
G220	8/7/2024	13:00	14.18	16.3	61.3	6.77	959.7	0.98	90.65	25.6
G220	8/7/2024	13:03	14.18	16.2	61.1	6.76	963.2	0.95	124.64	27.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G270	8/7/2024	10:17	7.59	17.4	63.4	6.96	562.3	1.38	58.13	-91.0
G270	8/7/2024	10:20	7.59	17.6	63.7	6.95	559.4	1.23	58.46	-84.8
G270	8/7/2024	10:23	7.59	17.7	63.8	6.95	558.8	1.17	55.77	-76.7
G270	8/7/2024	10:26	7.59	17.6	63.8	6.94	557.3	1.10	54.64	-68.7
G270	8/7/2024	10:29	7.59	17.8	64.0	6.93	556.5	1.06	53.76	-62.9

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G271	7/31/2024	11:09	10.93	17.9	64.1	7.19	1,012.0	3.22	4.12	189.5
G271	7/31/2024	11:12	10.93	17.7	63.9	7.19	995.1	3.57	1.98	192.9
G271	7/31/2024	11:15	10.93	17.6	63.6	7.16	1,019.9	3.38	1.05	195.3
G271	7/31/2024	11:18	10.93	17.5	63.5	7.14	1,040.7	3.04	1.03	196.5
G271	7/31/2024	11:21	10.93	17.5	63.4	7.14	1,037.2	3.03	1.31	196.3
G271	7/31/2024	11:24	10.93	17.4	63.4	7.14	1,038.9	3.07	1.82	196.6

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G272	7/31/2024	10:31	11.02	18.8	65.9	7.19	1,421.7	2.17	40.66	200.4
G272	7/31/2024	10:34	11.02	19.0	66.1	7.15	1,412.2	1.99	29.16	195.4
G272	7/31/2024	10:37	11.02	18.8	65.9	7.15	1,379.3	2.21	17.07	190.4
G272	7/31/2024	10:40	11.02	18.6	65.5	7.14	1,371.0	2.25	12.53	186.5
G272	7/31/2024	10:43	11.02	18.5	65.4	7.13	1,375.7	2.12	9.50	183.0

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (μS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G273	7/31/2024	9:53	10.87	17.2	63.0	6.92	1,553.6	1.17	5.19	148.3
G273	7/31/2024	9:56	10.87	17.8	64.1	6.96	1,556.5	1.13	4.30	119.5
G273	7/31/2024	9:59	10.87	18.9	66.0	6.99	1,550.5	1.06	4.60	92.8
G273	7/31/2024	10:02	10.87	18.5	65.4	6.98	1,570.6	1.09	4.43	73.1

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G274	7/30/2024	13:39	14.20	17.6	63.7	7.17	1,018.7	0.96	2.85	20.8
G274	7/30/2024	13:42	14.20	17.5	63.5	7.16	1,062.2	0.70	2.90	11.9
G274	7/30/2024	13:45	14.20	17.4	63.3	7.16	1,050.3	0.63	2.70	5.5
G274	7/30/2024	13:48	14.20	17.4	63.3	7.16	1,044.6	0.57	2.63	0.8
G274	7/30/2024	13:51	14.20	17.3	63.1	7.15	1,049.8	0.53	2.39	-2.1

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275	8/1/2024	12:15	13.29	18.1	64.7	7.15	1,129.7	2.00	32.44	-38.8
G275	8/1/2024	12:18	13.29	19.3	66.8	7.01	1,171.4	1.38	27.26	-38.8
G275	8/1/2024	12:21	13.29	19.5	67.0	6.98	1,179.9	1.21	6.24	-36.0
G275	8/1/2024	12:24	13.29	19.2	66.6	6.96	1,198.9	1.06	5.73	-32.8
G275	8/1/2024	12:27	13.29	18.6	65.4	6.95	1,208.6	0.93	8.45	-29.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G275D	8/1/2024	12:02	39.67	19.3	66.7	7.21	1,503.8	0.77	6.36	-95.8
G275D	8/1/2024	12:05	39.67	17.5	63.6	7.23	1,538.0	0.73	10.24	-110.5
G275D	8/1/2024	12:08	39.67	16.7	62.0	7.26	1,493.1	0.67	6.64	-119.7
G275D	8/1/2024	12:11	39.67	16.6	61.8	7.27	1,491.3	0.65	8.59	-126.5
G275D	8/1/2024	12:14	39.67	16.7	62.0	7.28	1,489.6	0.64	8.49	-132.4

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G276	7/31/2024	12:09	27.79	20.4	68.8	7.07	1,346.0	7.31	650.87	58.1
G276	7/31/2024	12:12	27.79	19.1	66.3	6.92	1,338.4	7.19	737.46	61.4
G276	7/31/2024	12:15	27.79	18.7	65.7	6.91	1,337.7	6.28	741.74	62.9
G276	7/31/2024	12:18	27.79	19.2	66.5	6.90	1,335.1	5.86	738.19	63.5
G276	7/31/2024	12:21	27.79	19.3	66.7	6.89	1,336.2	5.48	736.42	63.8
G276	7/31/2024	12:24	27.79	19.7	67.4	6.88	1,333.5	5.02	729.67	64.0
G276	7/31/2024	12:27	27.79	19.9	67.7	6.88	1,333.2	4.65	3.69	64.0
G276	7/31/2024	12:30	27.79	19.3	66.8	6.87	1,330.2	4.29	2.80	64.2
G276	7/31/2024	12:33	27.79	19.7	67.4	6.87	1,322.9	3.83	3.49	64.4

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G277	7/30/2024	12:27	19.99	19.4	67.0	6.88	2,562.0	3.27	52.09	104.0
G277	7/30/2024	12:30	19.99	20.0	68.0	6.86	2,641.9	3.10	43.29	106.7
G277	7/30/2024	12:33	19.99	20.1	68.2	6.86	2,668.4	3.07	34.60	108.7
G277	7/30/2024	12:36	19.99	20.1	68.2	6.86	2,664.5	2.96	23.28	110.3
G277	7/30/2024	12:39	19.99	20.3	68.5	6.86	2,651.8	3.08	14.92	111.7

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G278	7/31/2024	12:58	23.03	18.0	64.4	6.83	4,686.5	6.94	74.41	95.4
G278	7/31/2024	13:01	23.03	17.6	63.7	6.88	3,795.5	5.08	65.89	93.6
G278	7/31/2024	13:04	23.03	17.2	62.9	6.90	3,711.4	5.13	60.79	92.8
G278	7/31/2024	13:07	23.03	17.0	62.6	6.77	4,629.5	3.21	55.95	98.3
G278	7/31/2024	13:10	23.03	17.1	62.8	6.72	5,143.8	1.92	53.00	101.1
G278	7/31/2024	13:13	23.03	17.1	62.9	6.70	5,375.9	1.36	52.30	102.4

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G279	7/30/2024	10:44	23.89	17.9	64.2	6.64	5,799.9	0.84	12.78	148.9
G279	7/30/2024	10:47	23.89	18.2	64.7	6.66	5,836.4	0.74	5.97	147.7
G279	7/30/2024	10:50	23.89	17.7	63.9	6.65	6,321.1	0.56	3.80	148.5
G279	7/30/2024	10:53	23.89	17.6	63.6	6.61	6,376.8	0.47	4.16	151.2
G279	7/30/2024	10:56	23.89	17.7	63.9	6.61	6,422.1	0.42	3.87	152.9

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G280	7/30/2024	11:32	5.49	17.6	63.6	7.39	878.0	0.69	19.89	97.8
G280	7/30/2024	11:35	5.49	17.4	63.4	7.39	872.9	0.52	27.29	95.0
G280	7/30/2024	11:38	5.49	17.3	63.2	7.38	869.7	0.45	34.18	93.2
G280	7/30/2024	11:41	5.49	17.2	63.0	7.37	869.2	0.40	42.47	92.0
G280	7/30/2024	11:44	5.49	17.3	63.1	7.37	867.9	0.37	53.71	91.0
G280	7/30/2024	11:47	5.49	17.3	63.1	7.36	867.8	0.35	61.69	90.1
G280	7/30/2024	11:50	5.49	17.2	63.0	7.36	867.3	0.35	62.56	89.4

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G281	7/30/2024	9:58	6.21	19.3	66.7	6.99	1,358.4	1.71	45.19	65.8
G281	7/30/2024	10:01	6.21	19.4	66.9	6.99	1,360.1	1.50	52.32	67.4
G281	7/30/2024	10:04	6.21	19.5	67.1	6.99	1,358.7	1.35	41.47	69.7
G281	7/30/2024	10:07	6.21	19.6	67.2	6.98	1,355.7	1.23	36.41	71.8
G281	7/30/2024	10:10	6.21	19.5	67.1	6.98	1,355.3	1.19	39.22	74.1
G281	7/30/2024	10:13	6.21	19.4	67.0	6.98	1,352.6	1.14	37.78	76.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G283	8/7/2024	13:40	5.46	16.9	62.4	6.91	957.6	0.95	7.02	-66.9
G283	8/7/2024	13:43	5.46	16.8	62.2	6.92	957.3	0.86	8.92	-69.5
G283	8/7/2024	13:46	5.46	16.8	62.2	6.92	957.3	0.78	15.99	-71.6
G283	8/7/2024	13:49	5.46	16.8	62.2	6.92	957.1	0.76	28.53	-73.2
G283	8/7/2024	13:52	5.46	16.7	62.1	6.92	957.7	0.73	48.29	-74.5

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G284	8/7/2024	10:58	11.04	18.0	64.3	6.96	541.3	4.14	10.99	58.3
G284	8/7/2024	11:01	11.04	17.8	64.0	6.95	548.9	3.73	8.53	59.9
G284	8/7/2024	11:04	11.04	17.7	63.9	6.94	557.3	3.43	6.50	60.6
G284	8/7/2024	11:07	11.04	17.8	64.0	6.93	565.9	3.15	6.00	61.2
G284	8/7/2024	11:10	11.04	17.7	63.9	6.92	573.0	2.89	5.23	61.7
G284	8/7/2024	11:13	11.04	17.7	63.8	6.92	578.5	2.68	4.90	62.1
G284	8/7/2024	11:16	11.04	17.6	63.7	6.91	582.4	2.49	4.42	62.6
G284	8/7/2024	11:19	11.04	17.6	63.8	6.91	585.2	2.32	4.19	62.9
G284	8/7/2024	11:22	11.04	17.6	63.7	6.91	588.0	2.18	4.42	63.1
G284	8/7/2024	11:25	11.04	17.6	63.6	6.91	590.4	2.04	5.17	63.3

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G285	8/7/2024	11:51	4.96	18.3	64.9	6.56	1,605.8	1.61	46.67	-118.4
G285	8/7/2024	11:54	4.96	19.5	67.2	6.57	1,603.2	1.74	73.54	-116.2
G285	8/7/2024	11:57	4.96	19.6	67.3	6.58	1,613.3	1.58	110.55	-116.8
G285	8/7/2024	12:00	4.96	19.5	67.1	6.58	1,620.8	1.50	15.38	-116.0
G285	8/7/2024	12:03	4.96	19.5	67.1	6.58	1,621.1	1.43	34.82	-116.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301	8/5/2024	10:18	8.03	21.3	70.3	6.44	929.6	0.57	5.28	-37.1
G301	8/5/2024	10:21	8.03	21.4	70.6	6.44	924.2	0.49	5.82	-48.1
G301	8/5/2024	10:24	8.03	21.5	70.8	6.45	922.5	0.47	5.88	-51.5
G301	8/5/2024	10:27	8.03	21.5	70.7	6.46	919.2	0.43	6.15	-51.1
G301	8/5/2024	10:30	8.03	19.4	66.9	6.47	923.3	0.35	6.50	-47.6
G301	8/5/2024	10:33	8.03	18.9	66.0	6.47	913.6	0.29	6.02	-42.4
G301	8/5/2024	10:36	8.03	18.9	66.1	6.47	910.2	0.28	5.21	-45.0

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G302	8/5/2024	11:31	11.96	18.7	65.7	6.62	1,311.5	0.55	28.48	-79.4
G302	8/5/2024	11:34	11.96	18.8	65.9	6.61	1,302.1	0.41	17.17	-75.4
G302	8/5/2024	11:37	11.96	18.7	65.6	6.62	1,300.4	0.41	28.07	-72.0
G302	8/5/2024	11:40	11.96	18.6	65.5	6.62	1,297.6	0.48	22.19	-69.4
G302	8/5/2024	11:43	11.96	18.7	65.6	6.63	1,297.3	0.50	13.60	-67.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G303	7/31/2024	13:37	6.81	17.5	63.4	6.73	1,781.4	1.37	12.41	-26.0
G303	7/31/2024	13:40	6.81	17.4	63.3	6.73	1,786.3	1.17	17.90	-28.2
G303	7/31/2024	13:43	6.81	17.4	63.3	6.73	1,796.4	1.08	32.87	-31.0
G303	7/31/2024	13:46	6.81	17.4	63.3	6.73	1,790.8	1.01	46.57	-34.5
G303	7/31/2024	13:49	6.81	17.4	63.4	6.73	1,795.1	0.95	59.89	-37.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G305	8/1/2024	10:16	8.22	18.5	65.3	7.05	1,490.0	1.23	2.56	-84.1
G305	8/1/2024	10:19	8.22	18.4	65.1	7.05	1,487.4	1.06	2.45	-72.8
G305	8/1/2024	10:22	8.22	18.3	64.9	7.05	1,484.0	0.94	2.48	-63.6
G305	8/1/2024	10:25	8.22	18.2	64.8	7.05	1,482.7	0.86	2.45	-56.9
G305	8/1/2024	10:28	8.22	18.3	64.9	7.06	1,482.1	0.80	2.09	-52.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G306	8/1/2024	9:20	7.22	16.4	61.5	6.31	635.9	0.63	137.98	80.7
G306	8/1/2024	9:23	7.22	16.6	61.8	6.29	628.6	0.65	151.48	82.8
G306	8/1/2024	9:26	7.22	16.6	61.8	6.29	625.6	0.69	172.76	85.1
G306	8/1/2024	9:29	7.22	16.4	61.6	6.29	626.8	0.70	186.67	87.3
G306	8/1/2024	9:32	7.22	16.5	61.7	6.28	625.3	0.73	204.37	88.7
G306	8/1/2024	9:35	7.22	16.4	61.6	6.29	627.7	0.71	54.84	90.4
G306	8/1/2024	9:38	7.22	16.5	61.8	6.29	626.3	0.60	61.53	91.4
G306	8/1/2024	9:41	7.22	16.5	61.6	6.29	624.5	0.61	84.59	92.6
G306	8/1/2024	9:44	7.22	16.5	61.7	6.29	624.5	0.76	209.69	93.7

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307	8/1/2024	12:01	0.89	21.7	71.1	6.90	1,001.5	0.85	13.85	-122.7
G307	8/1/2024	12:04	0.89	21.6	71.0	6.92	999.7	0.76	9.25	-121.6
G307	8/1/2024	12:07	0.89	21.5	70.6	6.94	1,000.0	0.72	5.07	-115.9
G307	8/1/2024	12:10	0.89	21.3	70.3	6.94	999.7	0.69	7.13	-109.5
G307	8/1/2024	12:13	0.89	21.2	70.1	6.95	1,000.7	0.67	9.31	-103.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G307D	8/1/2024	11:20	6.34	18.3	64.9	7.17	1,131.9	0.60	46.02	-97.2
G307D	8/1/2024	11:23	6.34	19.5	67.1	7.15	1,128.3	0.61	49.16	-95.3
G307D	8/1/2024	11:26	6.34	20.1	68.2	7.13	1,125.5	0.68	57.10	-89.9
G307D	8/1/2024	11:29	6.34	20.4	68.7	7.10	1,108.1	1.00	61.64	-81.0
G307D	8/1/2024	11:32	6.34	20.1	68.2	7.09	1,087.1	1.74	40.72	-72.0
G307D	8/1/2024	11:35	6.34	19.5	67.2	7.08	1,067.6	2.06	18.02	-65.2
G307D	8/1/2024	11:38	6.34	19.6	67.3	7.07	1,063.9	2.20	24.98	-61.0
G307D	8/1/2024	11:41	6.34	19.7	67.4	7.07	1,059.2	2.32	30.06	-56.4

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G308	8/1/2024	12:47	5.02	18.1	64.6	7.02	1,539.2	0.50	5.61	-11.5
G308	8/1/2024	12:50	5.02	18.0	64.3	7.02	1,540.3	0.39	3.98	-11.4
G308	8/1/2024	12:53	5.02	17.8	64.1	7.03	1,543.0	0.34	3.55	-11.1
G308	8/1/2024	12:56	5.02	17.8	64.0	7.03	1,542.2	0.31	3.28	-10.8

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G310	8/1/2024	13:38	9.56	18.5	65.3	6.93	1,183.6	0.60	5.38	44.3
G310	8/1/2024	13:41	9.56	18.4	65.1	6.93	1,184.1	0.58	4.90	42.6
G310	8/1/2024	13:44	9.56	18.5	65.2	6.93	1,184.3	0.54	4.30	40.9
G310	8/1/2024	13:47	9.56	18.4	65.1	6.94	1,184.1	0.45	3.43	39.5

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G312	8/5/2024	12:37	13.75	18.2	64.8	6.40	1,525.5	1.36	5.08	56.5
G312	8/5/2024	12:40	13.75	18.2	64.8	6.39	1,573.5	1.23	3.65	44.5
G312	8/5/2024	12:43	13.75	18.1	64.7	6.39	1,624.2	1.14	3.08	33.2
G312	8/5/2024	12:46	13.75	18.1	64.6	6.39	1,671.7	1.05	3.24	22.7
G312	8/5/2024	12:49	13.75	18.2	64.7	6.38	1,709.9	0.98	3.48	19.0
G312	8/5/2024	12:52	13.75	18.2	64.8	6.38	1,741.7	0.92	5.18	20.9
G312	8/5/2024	12:55	13.75	18.0	64.5	6.38	1,772.4	0.85	6.69	21.9

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G313	7/31/2024	12:38	2.93	19.9	67.8	6.73	1,583.0	0.47	42.03	35.7
G313	7/31/2024	12:41	2.93	19.8	67.7	6.73	1,580.1	0.41	49.79	34.2
G313	7/31/2024	12:44	2.93	19.9	67.8	6.73	1,580.5	0.38	65.08	33.0
G313	7/31/2024	12:47	2.93	20.1	68.2	6.73	1,583.5	0.36	3.99	32.6
G313	7/31/2024	12:50	2.93	20.1	68.1	6.73	1,587.2	0.36	5.47	32.6
G313	7/31/2024	12:53	2.93	20.0	68.0	6.73	1,588.3	0.34	9.40	32.6

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314	7/31/2024	11:30	4.49	17.7	63.8	6.41	3,291.5	0.40	69.93	-25.9
G314	7/31/2024	11:33	4.49	17.6	63.7	6.42	3,290.7	0.34	183.00	-28.4
G314	7/31/2024	11:36	4.49	17.7	63.8	6.43	3,277.7	0.31	83.37	-33.1
G314	7/31/2024	11:39	4.49	17.7	63.8	6.44	3,278.8	0.29	138.58	-35.3
G314	7/31/2024	11:42	4.49	17.7	63.9	6.44	3,286.1	0.29	10.75	-34.7
G314	7/31/2024	11:45	4.49	18.1	64.6	6.45	3,281.9	0.29	21.74	-34.2
G314	7/31/2024	11:48	4.49	18.2	64.8	6.45	3,284.4	0.29	35.61	-33.4

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G314D	7/31/2024	10:28	6.79	17.8	64.1	6.73	2,560.6	0.39	116.51	-47.2
G314D	7/31/2024	10:31	6.79	18.1	64.5	6.73	2,560.4	0.37	148.95	-51.1
G314D	7/31/2024	10:34	6.79	18.2	64.8	6.73	2,561.7	0.33	241.84	-53.7
G314D	7/31/2024	10:37	6.79	18.1	64.6	6.74	2,559.7	0.31	203.96	-55.6
G314D	7/31/2024	10:40	6.79	18.1	64.5	6.74	2,558.4	0.30	287.74	-57.1
G314D	7/31/2024	10:43	6.79	18.1	64.5	6.74	2,556.8	0.28	386.54	-58.6
G314D	7/31/2024	10:46	6.79	18.0	64.4	6.74	2,556.4	0.27	214.08	-59.9
G314D	7/31/2024	10:49	6.79	18.0	64.4	6.74	2,555.1	0.26	234.10	-61.0
G314D	7/31/2024	10:52	6.79	18.1	64.6	6.74	2,553.0	0.25	201.30	-62.3

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G315	7/31/2024	14:23	2.64	18.6	65.5	6.71	1,111.2	0.96	20.05	39.3
G315	7/31/2024	14:26	2.64	18.8	65.8	6.71	1,108.8	0.66	16.62	39.1
G315	7/31/2024	14:29	2.64	18.6	65.5	6.71	1,109.7	0.52	20.55	40.1
G315	7/31/2024	14:32	2.64	18.8	65.8	6.71	1,112.4	0.43	10.24	41.2
G315	7/31/2024	14:35	2.64	18.7	65.6	6.71	1,116.0	0.38	10.00	42.3
G315	7/31/2024	14:38	2.64	18.7	65.6	6.71	1,115.8	0.36	10.05	43.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G316	7/31/2024	9:44	11.51	17.6	63.6	6.71	1,751.7	0.71	12.67	-96.5
G316	7/31/2024	9:47	11.51	17.3	63.1	6.75	1,703.8	0.48	11.53	-102.4
G316	7/31/2024	9:50	11.51	17.3	63.1	6.74	1,721.8	0.41	8.82	-104.5
G316	7/31/2024	9:53	11.51	17.3	63.2	6.74	1,739.6	0.36	6.85	-105.8

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G401	8/2/2024	9:12	21.72	18.5	65.3	5.92	2,519.2	3.12	73.08	39.3
G401	8/2/2024	9:15	21.72	17.9	64.2	5.81	2,828.9	1.25	62.69	25.9
G401	8/2/2024	9:18	21.72	17.6	63.7	5.82	2,838.6	0.99	16.40	22.6
G401	8/2/2024	9:21	21.72	17.4	63.4	5.82	2,834.6	0.89	8.70	20.5
G401	8/2/2024	9:24	21.72	17.5	63.4	5.82	2,829.6	0.84	7.77	19.4

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G402	8/1/2024	13:58	10.86	20.2	68.3	6.78	1,637.7	2.32	20.81	73.9
G402	8/1/2024	14:01	10.86	21.1	69.9	6.78	1,646.8	2.66	20.42	72.3
G402	8/1/2024	14:04	10.86	21.1	70.0	6.80	1,653.2	3.39	29.38	71.3
G402	8/1/2024	14:07	10.86	18.7	65.7	6.84	1,644.7	4.75	28.80	72.3
G402	8/1/2024	14:10	10.86	18.5	65.3	6.89	1,635.8	6.16	33.85	73.8
G402	8/1/2024	14:13	10.86	18.3	64.9	6.90	1,633.3	6.38	21.80	74.8
G402	8/1/2024	14:16	10.86	17.9	64.2	6.95	1,631.1	7.00	26.09	75.9

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G403	8/1/2024	9:04	6.50	18.6	65.5	6.88	759.4	1.61	5.19	220.3
G403	8/1/2024	9:07	6.50	19.1	66.4	6.83	750.1	1.15	7.64	216.7
G403	8/1/2024	9:10	6.50	19.2	66.5	6.80	744.0	1.05	11.00	211.4
G403	8/1/2024	9:13	6.50	19.2	66.6	6.80	741.4	0.93	14.65	205.8
G403	8/1/2024	9:16	6.50	19.2	66.6	6.81	739.7	0.87	16.33	201.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G404	7/31/2024	12:10	4.40	19.7	67.5	6.64	2,169.5	1.46	2.32	187.2
G404	7/31/2024	12:13	4.40	19.8	67.7	6.61	1,997.3	0.97	2.62	168.7
G404	7/31/2024	12:16	4.40	19.8	67.7	6.66	1,661.5	0.88	3.45	151.4
G404	7/31/2024	12:19	4.40	19.8	67.7	6.72	1,465.2	0.83	4.14	138.6

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G405	7/31/2024	12:48	5.66	19.8	67.6	6.95	1,774.7	1.01	3.64	125.3
G405	7/31/2024	12:51	5.66	19.4	66.9	6.90	1,898.7	0.82	6.26	100.1
G405	7/31/2024	12:54	5.66	19.4	66.9	6.88	1,942.4	0.75	11.46	86.8
G405	7/31/2024	12:57	5.66	19.3	66.7	6.87	1,960.6	0.73	18.80	79.5

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G406	8/1/2024	9:48	10.81	19.0	66.2	6.60	1,386.5	2.04	1.86	249.8
G406	8/1/2024	9:51	10.81	18.7	65.7	6.58	1,390.1	1.29	2.00	247.7
G406	8/1/2024	9:54	10.81	18.5	65.3	6.58	1,387.0	1.03	2.08	244.9
G406	8/1/2024	9:57	10.81	18.3	65.0	6.58	1,387.9	0.92	2.33	242.2
G406	8/1/2024	10:00	10.81	18.2	64.7	6.59	1,386.8	0.87	2.33	240.2

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G407	8/1/2024	10:36	5.35	17.5	63.5	6.47	3,281.3	1.64	27.27	280.1
G407	8/1/2024	10:39	5.35	17.4	63.3	6.57	3,089.3	1.37	31.66	253.1
G407	8/1/2024	10:42	5.35	17.3	63.2	6.67	2,525.7	1.11	25.13	237.6
G407	8/1/2024	10:45	5.35	17.3	63.2	6.73	2,244.7	0.91	26.38	227.7
G407	8/1/2024	10:48	5.35	17.4	63.3	6.74	2,156.5	0.84	26.59	221.1
G407	8/1/2024	10:51	5.35	17.4	63.3	6.75	2,111.0	0.81	29.26	215.4

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G410	8/2/2024	9:03	8.69	17.6	63.7	6.57	1,330.3	1.65	38.60	257.1
G410	8/2/2024	9:06	8.69	17.6	63.6	6.46	1,169.9	1.17	12.37	237.4
G410	8/2/2024	9:09	8.69	17.5	63.5	6.44	1,139.0	1.09	5.72	209.9
G410	8/2/2024	9:12	8.69	17.5	63.5	6.44	1,136.2	1.01	2.58	180.7

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G411	8/2/2024	9:53	7.53	16.5	61.7	7.22	874.5	1.14	10.98	215.4
G411	8/2/2024	9:56	7.53	16.4	61.5	7.25	865.7	0.98	5.40	213.6
G411	8/2/2024	9:59	7.53	16.4	61.5	7.25	871.5	0.91	3.82	211.6
G411	8/2/2024	10:02	7.53	16.4	61.4	7.25	877.6	0.87	3.20	208.8

Site Sampling Event: COF-24Q3**LIMS Workorder:** 24071451**Technician(s):** DC, JC, TC, BG, PY**Groundwater Sampling Field Forms- Quality Parameters****Coffeen- 3Q 2024**

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L201	8/7/2024	14:15	17.00	18.1	64.6	11.60	5,169.9	7.15	1.43	-78.1

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L202	8/7/2024	14:20	20.00	20.7	69.3	11.58	12,132.5	2.80	111.78	-72.4

Site Sampling Event: COF-24Q3**LIMS Workorder:** 24071451**Technician(s):** DC, JC, TC, BG, PY**Groundwater Sampling Field Forms- Quality Parameters****Coffeen- 3Q 2024**

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
L203	8/7/2024	14:24	16.30	21.0	69.9	11.57	11,004.1	6.92	3.41	-59.7

Site Sampling Event: COF-24Q3**LIMS Workorder:** 24071451**Technician(s):** DC, JC, TC, BG, PY**Groundwater Sampling Field Forms- Quality Parameters****Coffeen- 3Q 2024**

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
NE Riser	8/7/2024	14:35	16.69	22.3	72.1	6.15	13,292.6	2.58	1.55	132.8

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R104	8/6/2024	10:28	8.50	19.1	66.4	7.37	808.6	2.25	4.83	204.6
R104	8/6/2024	10:31	8.50	19.4	66.9	7.37	809.3	2.25	7.90	202.7
R104	8/6/2024	10:34	8.50	19.3	66.7	7.35	806.4	2.48	13.74	201.4
R104	8/6/2024	10:37	8.50	19.3	66.7	7.32	803.7	2.37	28.01	200.5

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201	8/6/2024	12:43	4.40	20.6	69.1	6.96	1,005.8	2.42	3.39	-83.3
R201	8/6/2024	12:46	4.40	19.7	67.5	6.94	1,002.4	2.17	3.57	-83.8
R201	8/6/2024	12:49	4.40	19.4	67.0	6.94	1,004.4	2.01	3.66	-87.2
R201	8/6/2024	12:52	4.40	19.1	66.4	6.96	1,023.5	1.88	2.57	-97.9
R201	8/6/2024	12:55	4.40	18.9	65.9	6.99	1,118.7	1.71	2.64	-106.4
R201	8/6/2024	12:58	4.40	18.7	65.7	6.99	1,120.8	1.59	3.91	-106.0
R201	8/6/2024	13:01	4.40	18.6	65.5	7.00	1,123.6	1.49	5.31	-105.6
R201	8/6/2024	13:04	4.40	18.5	65.3	7.00	1,120.5	1.41	7.06	-105.4

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R205	8/6/2024	12:54	8.23	17.7	63.9	6.67	1,065.3	0.28	168.11	50.2
R205	8/6/2024	12:57	8.23	17.7	63.9	6.67	1,063.6	0.26	203.93	48.0
R205	8/6/2024	13:00	8.23	17.6	63.7	6.68	1,056.2	0.25	280.77	45.8
R205	8/6/2024	13:03	8.23	17.6	63.7	6.68	1,050.0	0.24	309.99	44.2
R205	8/6/2024	13:06	8.23	17.6	63.8	6.68	1,047.0	0.24	468.00	42.6

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-02	7/30/2024	10:24	7.13	DTW Only						

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
SG-03	7/30/2024	12:50	8.69	DTW Only						

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T127	8/5/2024	11:04	14.98	23.1	73.6	7.09	813.3	3.74	62.49	10.7
T127	8/5/2024	11:07	14.98	23.1	73.6	7.09	815.7	3.13	53.88	11.8
T127	8/5/2024	11:10	14.98	23.2	73.8	7.09	818.1	3.01	24.33	13.5
T127	8/5/2024	11:13	14.98	23.0	73.5	7.10	823.2	2.63	17.74	15.1
T127	8/5/2024	11:16	14.98	23.0	73.4	7.10	808.7	2.47	16.87	16.3
T127	8/5/2024	11:19	14.98	22.8	73.0	7.10	817.5	2.15	12.54	17.3
T127	8/5/2024	11:22	14.98	22.9	73.2	7.10	820.6	1.97	10.17	17.8
T127	8/5/2024	11:25	14.98	22.6	72.6	7.11	819.5	1.84	8.79	17.9
T127	8/5/2024	11:28	14.98	22.9	73.1	7.10	818.1	1.69	6.94	18.1

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
T128	8/5/2024	11:37	14.69	17.9	64.3	7.15	783.4	1.72	4.55	-48.6
T128	8/5/2024	11:40	14.69	17.4	63.3	7.13	776.9	1.12	3.99	-87.3
T128	8/5/2024	11:43	14.69	17.4	63.4	7.12	771.8	0.94	3.94	-100.2
T128	8/5/2024	11:46	14.69	18.6	65.5	7.12	775.5	0.89	3.49	-106.7
T128	8/5/2024	11:49	14.69	20.1	68.1	7.12	779.1	0.86	3.25	-112.2

Site Sampling Event: COF-24Q3**LIMS Workorder:** 24071451**Technician(s):** DC, JC, TC, BG, PY**Groundwater Sampling Field Forms- Quality Parameters****Coffeen- 3Q 2024**

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
X201	8/7/2024	14:45	21.28	27.6	81.7	5.67	16,063.0	8.24	1.68	180.9

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
XSG-01	7/30/2024	11:58	6.33	DTW Only						

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
Field Blank	8/7/2024	14:49	-	QA/QC Sample						

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G102 Duplicate	8/6/2024	9:04	5.93	17.8	64.0	7.29	591.4	2.19	14.32	201.2
G102 Duplicate	8/6/2024	9:07	5.93	17.7	63.9	7.25	560.1	2.06	15.16	202.4
G102 Duplicate	8/6/2024	9:10	5.93	17.8	64.0	7.23	542.6	2.03	21.74	201.9
G102 Duplicate	8/6/2024	9:13	5.93	17.7	63.8	7.22	537.1	1.99	26.31	201.2

Site Sampling Event: COF-24Q3

Groundwater Sampling Field Forms- Quality Parameters

LIMS Workorder: 24071451

Coffeen- 3Q 2024

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

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G200 Duplicate	8/6/2024	12:04	4.51	20.8	69.5	7.21	883.4	1.86	1.83	-74.8
G200 Duplicate	8/6/2024	12:07	4.51	20.1	68.2	7.18	879.6	1.41	1.93	-73.8
G200 Duplicate	8/6/2024	12:10	4.51	19.5	67.2	7.17	879.0	1.19	2.40	-70.4
G200 Duplicate	8/6/2024	12:13	4.51	19.0	66.3	7.15	889.6	1.09	2.72	-67.6
G200 Duplicate	8/6/2024	12:16	4.51	19.0	66.2	7.12	899.3	1.03	5.56	-64.6

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G217 Duplicate	8/6/2024	9:21	16.42	17.1	62.8	6.70	1,323.4	0.34	17.01	-94.9
G217 Duplicate	8/6/2024	9:24	16.42	17.1	62.7	6.71	1,325.0	0.32	52.13	-96.1
G217 Duplicate	8/6/2024	9:27	16.42	17.1	62.7	6.71	1,324.6	0.31	67.86	-95.4
G217 Duplicate	8/6/2024	9:30	16.42	17.1	62.8	6.72	1,326.2	0.30	88.00	-95.3
G217 Duplicate	8/6/2024	9:33	16.42	17.2	62.9	6.72	1,325.3	0.30	102.80	-93.2
G217 Duplicate	8/6/2024	9:36	16.42	17.2	62.9	6.72	1,325.6	0.29	111.98	-92.7
G217 Duplicate	8/6/2024	9:39	16.42	17.1	62.9	6.72	1,326.7	0.28	158.26	-92.9

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
G301 Duplicate	8/5/2024	10:18	8.03	21.3	70.3	6.44	929.6	0.57	5.28	-37.1
G301 Duplicate	8/5/2024	10:21	8.03	21.4	70.6	6.44	924.2	0.49	5.82	-48.1
G301 Duplicate	8/5/2024	10:24	8.03	21.5	70.8	6.45	922.5	0.47	5.88	-51.5
G301 Duplicate	8/5/2024	10:27	8.03	21.5	70.7	6.46	919.2	0.43	6.15	-51.1
G301 Duplicate	8/5/2024	10:30	8.03	19.4	66.9	6.47	923.3	0.35	6.50	-47.6
G301 Duplicate	8/5/2024	10:33	8.03	18.9	66.0	6.47	913.6	0.29	6.02	-42.4
G301 Duplicate	8/5/2024	10:36	8.03	18.9	66.1	6.47	910.2	0.28	5.21	-45.0

Site Sampling Event: COF-24Q3

LIMS Workorder: 24071451

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

Groundwater Sampling Field Forms- Quality Parameters

Coffeen- 3Q 2024

Well ID	Date	Time	DTW	Temp (°C)	Temp (°F)	pH (SU)	Sp Cond (µS/cm)	ODO (mg/L)	Turbidity (NTU)	ORP (mV)
R201 Duplicate	8/6/2024	12:43	4.40	20.6	69.1	6.96	1,005.8	2.42	3.39	-83.3
R201 Duplicate	8/6/2024	12:46	4.40	19.7	67.5	6.94	1,002.4	2.17	3.57	-83.8
R201 Duplicate	8/6/2024	12:49	4.40	19.4	67.0	6.94	1,004.4	2.01	3.66	-87.2
R201 Duplicate	8/6/2024	12:52	4.40	19.1	66.4	6.96	1,023.5	1.88	2.57	-97.9
R201 Duplicate	8/6/2024	12:55	4.40	18.9	65.9	6.99	1,118.7	1.71	2.64	-106.4
R201 Duplicate	8/6/2024	12:58	4.40	18.7	65.7	6.99	1,120.8	1.59	3.91	-106.0
R201 Duplicate	8/6/2024	13:01	4.40	18.6	65.5	7.00	1,123.6	1.49	5.31	-105.6
R201 Duplicate	8/6/2024	13:04	4.40	18.5	65.3	7.00	1,120.5	1.41	7.06	-105.4

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffee- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 45985 Technician(s): Brett Gillihan Date: 7/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc230830B	4.00	7/30/24 8:42
7.0 Buffer	WC24307F	6.98	7/30/24 8:32
10.0 Buffer	WC240521B	10.01	7/30/24 8:46
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1418	7/30/24 8:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.8	7/30/24 8:53
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/30/24 8:56	19.8	7.00	1,418	1.81		
CCV-M-1	CCV	7/30/24 12:33	22.1	7.03	1,422	1.45		
CCV-1	CCV	7/30/24 16:24	23.7	7.01	1,423	1.62		

Comments:

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 7/31/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	7/31/24 8:44
7.0 Buffer	WC24307F	7.02	7/31/24 8:40
10.0 Buffer	WC240521B	9.99	7/31/24 8:48
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1410	7/31/24 8:55

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.4	7/31/24 8:58
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/31/24 9:07	22.4	7.01	1,410	1.4		
CCV-2	CCV	7/31/24 13:59	23.1	7.01	1,410	1.4		

Comments:

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 45985 Technician(s): Brett Gillihan Date: 8/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230820B	4.02	8/1/24 8:36
7.0 Buffer	WC24307F	6.99	8/1/24 8:31
10.0 Buffer	WC240521B	10.00	8/1/24 8:40
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1416	8/1/24 8:44

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.5	8/1/24 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	LCS	8/1/24 8:50	23.9	7.00	1,416	1.6		
CCV-3	CCV	8/1/24 13:47	26.5	7.01	1,416	1.5		

Comments:

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC230830B	4.00	8/2/24 8:38
7.0 Buffer	WC24307F	7.00	8/2/24 8:35
10.0 Buffer	WC240521B	10.01	8/2/24 8:45
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1419	8/2/24 8:48

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.7	8/2/24 8:52
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	8/2/24 8:55	23.8	7.01	1,419	1.8		
CCV-4	CCV	8/2/24 11:00	25.5	7.02	1,419	1.6		

Comments:

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 45985 Technician(s): Brett Gillihan Date: 8/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/5/24 8:45
7.0 Buffer	WC240307F	7.02	8/5/24 8:36
10.0 Buffer	WC240625B	9.99	8/5/24 8:49
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1413	8/5/24 8:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	8/5/24 8:56
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	8/5/24 9:04	24.6	7.01	1,413	1.6		
CCV-5	CCV	8/5/24 14:51	28.3	7.00	1,413	1.6		

Comments:

Field Meter ID: Pine 45985 Technician(s): Brett Gillihan Date: 8/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612A	4.02	8/6/24 8:25
7.0 Buffer	WC240307F	7.00	8/6/24 8:23
10.0 Buffer	WC240625B	9.99	8/6/24 8:31
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1418	8/6/24 8:35

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	1.6	8/6/24 8:40
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	8/6/24 8:48	25.6	7.00	1,418	1.6		
CCV-6	CCV	8/6/24 13:39	28.6	7.01	1,418	1.6		

Comments:

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 218074 Technician(s): justin colp Date: 7/30/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.01	7/30/24 9:24
7.0 Buffer	wc231207a	6.99	7/30/24 9:19
10.0 Buffer	wc240625b	9.99	7/30/24 9:28
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1408	7/30/24 9:34

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.48	7/30/24 9:34
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/30/24 9:38	23.2	6.99	1,412	0.48		
CCV-1	CCV	7/30/24 14:23	26.7	7.02	1,422	0.53		

Comments:

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 7/31/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	7/31/24 8:55
7.0 Buffer	wc231207a	6.98	7/31/24 8:45
10.0 Buffer	wc240625b	10.02	7/31/24 9:01
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	7/31/24 9:06

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.42	7/31/24 9:07
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	7/31/24 9:09	24.5	6.98	1,412	0.42		
CCV-2	CCV	7/31/24 14:56	26.6	7.03	1,426	0.46		

Comments:

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 218074 Technician(s): justin colp Date: 8/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	8/1/24 8:45
7.0 Buffer	wc231207a	7.00	8/1/24 8:40
10.0 Buffer	wc240625b	9.98	8/1/24 8:49
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/1/24 8:54

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.41	8/1/24 8:54
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	8/1/24 9:03	24.2	7.01	1,412	0.68		
CCV-3	CCV	8/1/24 14:34	26.7	7.04	1,423	1.11		

Comments:

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/2/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.00	8/2/24 8:38
7.0 Buffer	wc231207a	6.99	8/2/24 8:30
10.0 Buffer	wc240625b	10.00	8/2/24 8:41
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1410	8/2/24 8:46

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.46	8/2/24 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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	8/2/24 8:48	24.3	6.99	1,410	0.46		
CCV-4	CCV	8/2/24 13:48	26.8	7.02	1,419	0.52		

Comments:

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 218074 Technician(s): justin colp Date: 8/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	4.01	8/5/24 9:01
7.0 Buffer	wc231207a	6.98	8/5/24 8:57
10.0 Buffer	wc240625b	9.99	8/5/24 9:06
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1409	8/5/24 9:10

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.44	8/5/24 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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	8/5/24 9:13	23.7	6.99	1,409	0.44		
CCV-5	CCV	8/5/24 15:01	28.7	7.03	1,417	0.53		

Comments:

Field Meter ID: Pine 218074 Technician(s): justin colp Date: 8/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	wc240612a	3.99	8/6/24 8:45
7.0 Buffer	wc231207a	7.00	8/6/24 8:41
10.0 Buffer	wc240625b	10.00	8/6/24 8:51
LCS/CCV (7.0 Buffer)	wc231207a		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/6/24 8:57

Turbidity Standard	LIMS ID	Reading	Date/Time
0 NTU (DI Water)	1	0.46	8/6/24 8:57
124 NTU	95834		

ORP Standard	LIMS ID/Lot#	Reading	Date/Time

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

Sample ID	Sample Type	Date/Time	Temp. °C	pH S.U.	Conductivity µS	Turbidity NTU	ORP mV	D.O. %
LCS-6	LCS	8/6/24 9:01	24.2	7.01	1,412	0.46		
CCV-6	CCV	8/6/24 15:13	28.2	7.00	1,419	0.58		

Comments:

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 223344 Technician(s): Tracy Carroll Date: 7/31/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	7/31/24 9:26
7.0 Buffer	WC240307F	7.00	7/31/24 9:28
10.0 Buffer	WC240625B	9.99	7/31/24 9:29
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	7/31/24 9:23

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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-1	LCS	7/31/24 9:31	26.1	7.03	1,413	1.43		
CCV-1	CCV	7/31/24 14:46	24.1	7.01	1,472	1.92		

Comments:

Field Meter ID: Pine 223344 Technician(s): Tracy Carroll Date: 8/1/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/1/24 8:51
7.0 Buffer	WC240307F	7.00	8/1/24 8:50
10.0 Buffer	WC240625B	10.00	8/1/24 8:52
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/1/24 8:52

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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-2	LCS	8/1/24 8:55	24.3	7.06	1,411	1.83		
CCV-M-2	CCV	8/1/24 11:33	24.8	7.03	1,432	1.88		
CCV-2	CCV	8/1/24 13:59	25.1	7.01	1,486	1.67		

Comments:

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffeen- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 223344 Technician(s): Tracy Carroll Date: 8/5/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/5/24 9:42
7.0 Buffer	WC240307F	6.99	8/5/24 9:45
10.0 Buffer	WC240625B	9.96	8/5/24 9:47
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/5/24 9:51

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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-3	LCS	8/5/24 10:01	27.9	7.05	1,412	1.89		
CCV-3	CCV	8/5/24 15:34	28.2	7.03	1,409	0.95		

Comments:

Field Meter ID: Pine 223344 Technician(s): TracyCarroll Date: 8/6/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	4.01	8/6/24 8:28
7.0 Buffer	WC240307F	7.00	8/6/24 8:27
10.0 Buffer	WC240625B	9.97	8/6/24 8:33
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 µS Std.	98627	1412	8/6/24 8:36

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 µS	Turbidity NTU	ORP mV	D.O. %
LCS-4	LCS	8/6/24 8:51	26.9	7.03	1,401	0.99		
CCV-4	CCV	8/6/24 13:51	28	7.06	1,370	1.23		

Comments:

Site Sampling Event: COF-24Q3
LIMS Workorder: 24071451
Technician(s): DC, JC, TC, BG, PY

Field Calibration Log(s)
Coffee- 3Q 2024

ATTACHMENT B.
845 QUARTERLY REPORT - QUARTER 3, 2024
COFFEEN POWER PLANT, ASH POND NO. 1
COF-845-101

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 223344 Technician(s): Tracy Carroll Date: 8/7/2024

pH Standards	LIMS ID	Calibration reading	Date/Time
4.0 Buffer	WC240612A	3.99	8/7/24 8:43
7.0 Buffer	WC240307F	7.00	8/7/24 8:45
10.0 Buffer	WC240625B	9.99	8/7/24 8:45
LCS/CCV (7.0 Buffer)	WC231207A		

Conductivity Standard	LIMS ID	Reading	Date/Time
1,412 μ S Std.	98627	1412	8/7/24 8:48

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. $^{\circ}$ C	pH S.U.	Conductivity μ S	Turbidity NTU	ORP mV	D.O. %
LCS-5	LCS	8/7/24 8:48	23.4	6.99	1,410	1.43		
CCV-M-5	CCV	8/7/24 12:03	23.8	7.03	1,426	1.23		
CCV-5	CCV	8/7/24 15:37	24.1	7.06	1,447	1.56		

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 218074

Description YSI Pro DSS Sonde

Calibrated 7/25/2024 6:32:30PM

Manufacturer YSI
Model Number Pro DSS
Serial Number/ Lot Number 23F102664
Location St. Louis
Department

State Certified
Status Pass
Temp °C 22.2
Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.30	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.36	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.20	10.04	0.40%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.06	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	105.31	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.435	1.413	0.00%	Pass

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

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	216.10	240.00	0.00%	Pass

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

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



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 218074
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 6:32:30PM

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>
100.00 / 100.00		%	100.00	%	98.90	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 L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
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#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 223344

Description YSI Pro DSS Sonde

Calibrated 7/25/2024 3:04:32PM

Manufacturer YSI

Model Number Pro DSS

Serial Number/ Lot 24B105081
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>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.05	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	3.96	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.11	10.05	0.50%	Pass

Group # 2
Group Name Turbidity (NTU)
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	-4.44	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	114.08	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.465	1.413	0.00%	Pass

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

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.00 / 240.00	mv	240.00	mv	227.30	240.00	0.00%	Pass

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

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>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 223344
Description YSI Pro DSS Sonde
Calibrated 7/25/2024 3:04:32PM

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	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	95.30	100.30	0.30%	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 800 NTU L#24010026	STL 800 NTU L#24010026	GFS	8523	24010026		3/20/2025
STL AUTOCAL L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
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#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Chris Harkins



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 45985

Description YSI Pro DSS

Calibrated 7/25/2024 3:07:11PM

Manufacturer YSI

Model Number Pro DSS

Serial Number/ Lot Number 19E101797

Location St. Louis

Department

State Certified

Status Pass

Temp °C 22.2

Humidity % 43

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
7.00 / 7.00	PH	7.00	PH	7.06	7.02	0.29%	Pass
4.00 / 4.00	PH	4.00	PH	4.04	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.03	10.04	0.40%	Pass

Group # 2
Group Name Turbidity
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
0.00 / 0.00	NTU	0.00	NTU	0.24	0.00	0.00%	Pass
124.00 / 124.00	NTU	124.00	NTU	125.76	124.00	0.00%	Pass

Group # 3
Group Name Conductivity
Stated Accy Pct of Reading

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
1.413 / 1.413	ms/cm	1.413	ms/cm	1.459	1.413	0.00%	Pass

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

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
240.0 / 240.0	mv	240.0	mv	243.2	240.0	0.00%	Pass

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

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

<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>



INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

11669 Lilburn Park Rd.
St. Louis, MO 63146
Office: 314.344.1079

Pine Environmental Services, Inc.

Instrument ID 45985

Description YSI Pro DSS

Calibrated 7/25/2024 3:07:11PM

Group # 5				Range Acc % 0.0000			
Group Name Dissolved Oxygen Span				Reading Acc % 3.0000			
Stated Accy Pct of Reading				Plus/Minus 0.0			
<u>Nom In Val / In Val</u>	<u>In Type</u>	<u>Out Val</u>	<u>Out Type</u>	<u>Fnd As</u>	<u>Lft As</u>	<u>Dev%</u>	<u>Pass/Fail</u>
100.0 / 100.0	%	100.0	%	99.8	100.3	0.30%	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 L#24009059	Auto Cal Solution 0 NTU/PH 4	GFS	8483	24009059		3/20/2025
STL ORP SOLUTION 240MV L#4GA1475	STL ORP SOLUTION 240MV L#4GA1475	AquaPhoenix Scientific	ORP Solution	4GA1475		10/25/2024
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#4GB0027	STL PH7 L#4GB0027	AquaPhoenix Scientific	PH7	4GB0027		2/25/2026

Notes about this calibration

Calibration Result Calibration Successful

Who Calibrated Chris Harkins

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment

Please call 800-301-9663 for Technical Assistance

**ATTACHMENT C
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND
QUARTER 3, 2024**

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G301	UA	E006	Antimony, total	mg/L	11/20/15 - 08/05/24	20	90	CB around T-S line	0.00168	0.003
G301	UA	E006	Arsenic, total	mg/L	11/20/15 - 08/05/24	25	68	CI around median	0.001	0.00430
G301	UA	E006	Barium, total	mg/L	11/20/15 - 08/05/24	25	0	CB around T-S line	-0.0135	0.120
G301	UA	E006	Beryllium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.001
G301	UA	E006	Boron, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	2.16	3.20
G301	UA	E006	Cadmium, total	mg/L	11/20/15 - 08/05/24	25	96	CI around median	0.001	0.001
G301	UA	E006	Chloride, total	mg/L	11/20/15 - 08/05/24	26	0	CB around T-S line	6.16	120
G301	UA	E006	Chromium, total	mg/L	11/20/15 - 08/05/24	25	64	CB around T-S line	0.000572	0.0110
G301	UA	E006	Cobalt, total	mg/L	11/20/15 - 08/05/24	25	28	CB around T-S line	0.00019	0.00560
G301	UA	E006	Fluoride, total	mg/L	11/20/15 - 08/05/24	26	35	CI around median	0.25	0.411
G301	UA	E006	Lead, total	mg/L	11/20/15 - 08/05/24	25	52	CB around T-S line	-0.000324	0.00630
G301	UA	E006	Lithium, total	mg/L	11/20/15 - 08/05/24	25	52	CI around median	0.01	0.0130
G301	UA	E006	Mercury, total	mg/L	11/20/15 - 08/05/24	20	95	CI around median	0.0002	0.00130
G301	UA	E006	Molybdenum, total	mg/L	11/20/15 - 08/05/24	25	100	All ND - Last	0.0015	0.00150
G301	UA	E006	pH (field)	SU	11/20/15 - 08/05/24	26	0	CB around linear reg	6.3/6.7	6.6/7.3
G301	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/05/24	25	0	CI around mean	0.502	1.60
G301	UA	E006	Selenium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.00150
G301	UA	E006	Sulfate, total	mg/L	11/20/15 - 08/05/24	26	0	CB around linear reg	453	367
G301	UA	E006	Thallium, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.002	0.00100
G301	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 08/05/24	26	0	CB around linear reg	862	1,010
G302	UA	E006	Antimony, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.001	0.003
G302	UA	E006	Arsenic, total	mg/L	11/20/15 - 08/05/24	25	24	CI around median	0.001	0.00430
G302	UA	E006	Barium, total	mg/L	11/20/15 - 08/05/24	25	0	CI around geomean	0.029	0.120
G302	UA	E006	Beryllium, total	mg/L	11/20/15 - 08/05/24	24	100	All ND - Last	0.001	0.001
G302	UA	E006	Boron, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	1.69	3.20
G302	UA	E006	Cadmium, total	mg/L	11/20/15 - 08/05/24	25	100	All ND - Last	0.001	0.001
G302	UA	E006	Chloride, total	mg/L	11/20/15 - 08/05/24	26	4	CI around mean	12.3	120

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G302	UA	E006	Chromium, total	mg/L	11/20/15 - 08/05/24	25	68	CB around T-S line	0.00197	0.0110
G302	UA	E006	Cobalt, total	mg/L	11/20/15 - 08/05/24	25	24	CI around median	0.002	0.00560
G302	UA	E006	Fluoride, total	mg/L	11/20/15 - 08/05/24	26	35	CI around median	0.25	0.411
G302	UA	E006	Lead, total	mg/L	11/20/15 - 08/05/24	25	56	CI around median	0.001	0.00630
G302	UA	E006	Lithium, total	mg/L	11/20/15 - 08/05/24	25	28	CB around linear reg	0.0112	0.0130
G302	UA	E006	Mercury, total	mg/L	11/20/15 - 08/05/24	20	95	CI around median	0.0002	0.00130
G302	UA	E006	Molybdenum, total	mg/L	11/20/15 - 08/05/24	25	52	CI around median	0.001	0.00150
G302	UA	E006	pH (field)	SU	11/20/15 - 08/05/24	26	0	CB around linear reg	6.5/6.8	6.6/7.3
G302	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 08/05/24	25	0	CI around geomean	0.381	1.60
G302	UA	E006	Selenium, total	mg/L	11/20/15 - 08/05/24	24	96	CI around median	0.001	0.00150
G302	UA	E006	Sulfate, total	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	386	367
G302	UA	E006	Thallium, total	mg/L	11/20/15 - 08/05/24	20	100	All ND - Last	0.002	0.00100
G302	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 08/05/24	26	0	CI around mean	989	1,010
G303	UA	E006	Antimony, total	mg/L	11/20/15 - 07/31/24	20	100	All ND - Last	0.001	0.003
G303	UA	E006	Arsenic, total	mg/L	11/20/15 - 07/31/24	25	4	CB around T-S line	-0.00359	0.00430
G303	UA	E006	Barium, total	mg/L	11/20/15 - 07/31/24	25	0	CI around median	0.0156	0.120
G303	UA	E006	Beryllium, total	mg/L	11/20/15 - 07/31/24	24	100	All ND - Last	0.001	0.001
G303	UA	E006	Boron, total	mg/L	11/20/15 - 07/31/24	26	0	CB around T-S line	1.78	3.20
G303	UA	E006	Cadmium, total	mg/L	11/20/15 - 07/31/24	25	100	All ND - Last	0.001	0.001
G303	UA	E006	Chloride, total	mg/L	11/20/15 - 07/31/24	26	0	CB around linear reg	25.4	120
G303	UA	E006	Chromium, total	mg/L	11/20/15 - 07/31/24	25	84	CB around T-S line	0.00166	0.0110
G303	UA	E006	Cobalt, total	mg/L	11/20/15 - 07/31/24	25	28	CI around geomean	0.00162	0.00560
G303	UA	E006	Fluoride, total	mg/L	11/20/15 - 07/31/24	26	23	CI around median	0.268	0.411
G303	UA	E006	Lead, total	mg/L	11/20/15 - 07/31/24	25	84	CI around median	0.001	0.00630
G303	UA	E006	Lithium, total	mg/L	11/20/15 - 07/31/24	25	0	CB around linear reg	0.0151	0.0130
G303	UA	E006	Mercury, total	mg/L	11/20/15 - 07/31/24	20	90	CI around median	0.0002	0.00130
G303	UA	E006	Molybdenum, total	mg/L	11/20/15 - 07/31/24	25	0	CI around mean	0.00177	0.00150

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G303	UA	E006	pH (field)	SU	11/20/15 - 07/31/24	26	0	CB around linear reg	6.6/6.9	6.6/7.3
G303	UA	E006	Radium 226 + Radium 228, total	pCi/L	11/20/15 - 07/31/24	25	0	CI around geomean	0.499	1.60
G303	UA	E006	Selenium, total	mg/L	11/20/15 - 07/31/24	24	100	All ND - Last	0.001	0.00150
G303	UA	E006	Sulfate, total	mg/L	11/20/15 - 07/31/24	26	0	CB around linear reg	605	367
G303	UA	E006	Thallium, total	mg/L	11/20/15 - 07/31/24	20	100	All ND - Last	0.002	0.00100
G303	UA	E006	Total Dissolved Solids	mg/L	11/20/15 - 07/31/24	26	0	CI around mean	1,530	1,010
G305	UA	E006	Antimony, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.003
G305	UA	E006	Arsenic, total	mg/L	05/19/16 - 08/01/24	12	67	CI around median	0.001	0.00430
G305	UA	E006	Barium, total	mg/L	05/19/16 - 08/01/24	12	0	CB around T-S line	-0.0338	0.120
G305	UA	E006	Beryllium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.001
G305	UA	E006	Boron, total	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	2.09	3.20
G305	UA	E006	Cadmium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.001
G305	UA	E006	Chloride, total	mg/L	05/19/16 - 08/01/24	12	0	CI around geomean	19.2	120
G305	UA	E006	Chromium, total	mg/L	05/19/16 - 08/01/24	12	58	CB around T-S line	-0.0205	0.0110
G305	UA	E006	Cobalt, total	mg/L	05/19/16 - 08/01/24	12	75	CB around T-S line	-0.00239	0.00560
G305	UA	E006	Fluoride, total	mg/L	05/19/16 - 08/01/24	12	8	CI around mean	0.35	0.411
G305	UA	E006	Lead, total	mg/L	05/19/16 - 08/01/24	12	33	CI around median	0.001	0.00630
G305	UA	E006	Lithium, total	mg/L	05/19/16 - 08/01/24	12	33	CB around T-S line	-0.0022	0.0130
G305	UA	E006	Mercury, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.0002	0.00130
G305	UA	E006	Molybdenum, total	mg/L	05/19/16 - 08/01/24	12	58	CI around median	0.001	0.00150
G305	UA	E006	pH (field)	SU	05/19/16 - 08/01/24	12	0	CI around mean	7.0/7.3	6.6/7.3
G305	UA	E006	Radium 226 + Radium 228, total	pCi/L	05/19/16 - 08/01/24	12	0	CI around geomean	0.29	1.60
G305	UA	E006	Selenium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.001	0.00150
G305	UA	E006	Sulfate, total	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	814	367
G305	UA	E006	Thallium, total	mg/L	05/19/16 - 08/01/24	12	100	All ND - Last	0.002	0.00100
G305	UA	E006	Total Dissolved Solids	mg/L	05/19/16 - 08/01/24	12	0	CI around mean	1,380	1,010
G307	UA	E006	Antimony, total	mg/L	08/16/16 - 08/01/24	16	100	All ND - Last	0.001	0.003

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Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G307	UA	E006	Arsenic, total	mg/L	08/16/16 - 08/01/24	21	57	CI around median	0.001	0.00430
G307	UA	E006	Barium, total	mg/L	08/16/16 - 08/01/24	21	0	CI around geomean	0.0304	0.120
G307	UA	E006	Beryllium, total	mg/L	08/16/16 - 08/01/24	20	95	CI around median	0.001	0.001
G307	UA	E006	Boron, total	mg/L	08/16/16 - 08/01/24	22	0	CI around mean	2.01	3.20
G307	UA	E006	Cadmium, total	mg/L	08/16/16 - 08/01/24	21	57	CI around median	0.001	0.001
G307	UA	E006	Chloride, total	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	7.75	120
G307	UA	E006	Chromium, total	mg/L	08/16/16 - 08/01/24	21	48	CI around geomean	0.00188	0.0110
G307	UA	E006	Cobalt, total	mg/L	08/16/16 - 08/01/24	22	0	CI around median	0.0026	0.00560
G307	UA	E006	Fluoride, total	mg/L	08/16/16 - 08/01/24	22	9	CI around median	0.299	0.411
G307	UA	E006	Lead, total	mg/L	08/16/16 - 08/01/24	21	43	CI around median	0.001	0.00630
G307	UA	E006	Lithium, total	mg/L	08/16/16 - 08/01/24	21	43	CI around median	0.012	0.0130
G307	UA	E006	Mercury, total	mg/L	08/16/16 - 08/01/24	16	88	CI around median	0.0002	0.00130
G307	UA	E006	Molybdenum, total	mg/L	08/16/16 - 08/01/24	21	19	CI around median	0.0013	0.00150
G307	UA	E006	pH (field)	SU	08/16/16 - 08/01/24	23	0	CI around mean	7.0/7.2	6.6/7.3
G307	UA	E006	Radium 226 + Radium 228, total	pCi/L	08/16/16 - 08/01/24	21	0	CI around mean	0.598	1.60
G307	UA	E006	Selenium, total	mg/L	08/16/16 - 08/01/24	20	85	CI around median	0.001	0.00150
G307	UA	E006	Sulfate, total	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	390	367
G307	UA	E006	Thallium, total	mg/L	08/16/16 - 08/01/24	16	100	All ND - Last	0.002	0.00100
G307	UA	E006	Total Dissolved Solids	mg/L	08/16/16 - 08/01/24	22	0	CB around linear reg	863	1,010
G307D	LCU	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	0.000368	0.003
G307D	LCU	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	12	17	CI around median	0.001	0.00430
G307D	LCU	E006	Barium, total	mg/L	03/29/21 - 08/01/24	12	0	CB around T-S line	-0.0277	0.120
G307D	LCU	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.001
G307D	LCU	E006	Boron, total	mg/L	03/29/21 - 08/01/24	12	0	CI around mean	1.27	3.20
G307D	LCU	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.001
G307D	LCU	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	6.13	120
G307D	LCU	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.0015	0.0110

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G307D	LCU	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	0.000676	0.00560
G307D	LCU	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	11	9	CI around mean	0.44	0.411
G307D	LCU	E006	Lead, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.00630
G307D	LCU	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	12	92	CB around T-S line	-0.0027	0.0130
G307D	LCU	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	12	92	CI around median	0.0002	0.00130
G307D	LCU	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	12	0	CI around mean	0.00505	0.00150
G307D	LCU	E006	pH (field)	SU	03/29/21 - 08/01/24	12	0	CI around mean	7.1/7.3	6.6/7.3
G307D	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	13	0	CI around geomean	0.255	1.60
G307D	LCU	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.001	0.00150
G307D	LCU	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	482	367
G307D	LCU	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	12	100	All ND - Last	0.002	0.00100
G307D	LCU	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	11	0	CB around linear reg	880	1,010
G308	UA	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	15	93	CB around T-S line	0.000351	0.003
G308	UA	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	15	87	CI around median	0.001	0.00430
G308	UA	E006	Barium, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	0.0197	0.120
G308	UA	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.001
G308	UA	E006	Boron, total	mg/L	03/29/21 - 08/01/24	15	0	CI around geomean	2.46	3.20
G308	UA	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.001
G308	UA	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	15	7	CB around T-S line	5.31	120
G308	UA	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	15	93	CB around T-S line	0.000715	0.0110
G308	UA	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.00560
G308	UA	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	15	7	CI around median	0.481	0.411
G308	UA	E006	Lead, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.00630
G308	UA	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.00355	0.0130
G308	UA	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.0002	0.00130
G308	UA	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	15	13	CI around mean	0.00113	0.00150
G308	UA	E006	pH (field)	SU	03/29/21 - 08/01/24	15	0	CI around mean	7.1/7.3	6.6/7.3

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G308	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	14	0	CI around median	0.0476	1.60
G308	UA	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.001	0.00150
G308	UA	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	804	367
G308	UA	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.002	0.00100
G308	UA	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	1,440	1,010
G310	UA	E006	Antimony, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.003
G310	UA	E006	Arsenic, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.001	0.00430
G310	UA	E006	Barium, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	0.0148	0.120
G310	UA	E006	Beryllium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.001
G310	UA	E006	Boron, total	mg/L	03/29/21 - 08/01/24	15	0	CI around mean	1.73	3.20
G310	UA	E006	Cadmium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.001
G310	UA	E006	Chloride, total	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	8.5	120
G310	UA	E006	Chromium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.0015	0.0110
G310	UA	E006	Cobalt, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.000986	0.00560
G310	UA	E006	Fluoride, total	mg/L	03/29/21 - 08/01/24	15	20	CI around geomean	0.268	0.411
G310	UA	E006	Lead, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.00630
G310	UA	E006	Lithium, total	mg/L	03/29/21 - 08/01/24	15	67	CB around T-S line	0.00208	0.0130
G310	UA	E006	Mercury, total	mg/L	03/29/21 - 08/01/24	15	93	CI around median	0.0002	0.00130
G310	UA	E006	Molybdenum, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.0015	0.00150
G310	UA	E006	pH (field)	SU	03/29/21 - 08/01/24	15	0	CI around mean	7.0/7.2	6.6/7.3
G310	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/29/21 - 08/01/24	14	0	CI around median	0.0501	1.60
G310	UA	E006	Selenium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.001	0.00150
G310	UA	E006	Sulfate, total	mg/L	03/29/21 - 08/01/24	15	0	CB around T-S line	-1,100	367
G310	UA	E006	Thallium, total	mg/L	03/29/21 - 08/01/24	15	100	All ND - Last	0.002	0.00100
G310	UA	E006	Total Dissolved Solids	mg/L	03/29/21 - 08/01/24	15	0	CB around linear reg	851	1,010
G312	UA	E006	Antimony, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.003
G312	UA	E006	Arsenic, total	mg/L	03/30/21 - 08/05/24	13	92	CI around median	0.001	0.00430

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G312	UA	E006	Barium, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	0.0248	0.120
G312	UA	E006	Beryllium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.001
G312	UA	E006	Boron, total	mg/L	03/30/21 - 08/05/24	13	0	CB around linear reg	2.31	3.20
G312	UA	E006	Cadmium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.001
G312	UA	E006	Chloride, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	22.6	120
G312	UA	E006	Chromium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.0015	0.0110
G312	UA	E006	Cobalt, total	mg/L	03/30/21 - 08/05/24	13	23	CI around mean	0.00189	0.00560
G312	UA	E006	Fluoride, total	mg/L	03/30/21 - 08/05/24	13	69	CI around median	0.22	0.411
G312	UA	E006	Lead, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.00630
G312	UA	E006	Lithium, total	mg/L	03/30/21 - 08/05/24	13	54	CI around median	0.0188	0.0130
G312	UA	E006	Mercury, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.0002	0.00130
G312	UA	E006	Molybdenum, total	mg/L	03/30/21 - 08/05/24	13	92	CI around median	0.001	0.00150
G312	UA	E006	pH (field)	SU	03/30/21 - 08/05/24	13	0	CI around mean	6.3/6.5	6.6/7.3
G312	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 08/05/24	12	0	CI around mean	0.228	1.60
G312	UA	E006	Selenium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.001	0.00150
G312	UA	E006	Sulfate, total	mg/L	03/30/21 - 08/05/24	13	0	CI around mean	758	367
G312	UA	E006	Thallium, total	mg/L	03/30/21 - 08/05/24	13	100	All ND - Last	0.002	0.00100
G312	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 08/05/24	13	0	CB around linear reg	1,600	1,010
G313	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.003
G313	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.00430
G313	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.0147	0.120
G313	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G313	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	3.3	3.20
G313	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G313	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	7	CB around T-S line	16.7	120
G313	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.0110
G313	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	80	CB around T-S line	0.000561	0.00560

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G313	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	13	CI around mean	0.244	0.411
G313	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00630
G313	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	33	CI around median	0.0192	0.0130
G313	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.00130
G313	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	27	CI around geomean	0.00103	0.00150
G313	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CB around linear reg	6.6/6.9	6.6/7.3
G313	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around mean	0.282	1.60
G313	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00150
G313	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-88.2	367
G313	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.00100
G313	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	1,280	1,010
G314	LCU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	93	CB around T-S line	0.000407	0.003
G314	LCU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	73	CI around median	0.001	0.00430
G314	LCU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-0.0179	0.120
G314	LCU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G314	LCU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around geomean	0.138	3.20
G314	LCU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G314	LCU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	31	120
G314	LCU	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	80	CI around median	0.0015	0.0110
G314	LCU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	7	CI around mean	0.00314	0.00560
G314	LCU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	73	CI around median	0.22	0.411
G314	LCU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.00630
G314	LCU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	67	CB around T-S line	0.00133	0.0130
G314	LCU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.00130
G314	LCU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	13	CB around linear reg	-0.00362	0.00150
G314	LCU	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.5/6.8	6.6/7.3
G314	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.545	1.60

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G314	LCU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	87	CI around median	0.001	0.00150
G314	LCU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	2,000	367
G314	LCU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.00100
G314	LCU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around median	3,400	1,010
G314D	DA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.003
G314D	DA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	12	42	CI around median	0.001	0.00430
G314D	DA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	12	0	CB around T-S line	0.0207	0.120
G314D	DA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.001
G314D	DA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	12	0	CI around mean	0.157	3.20
G314D	DA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.001
G314D	DA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	11	0	CB around linear reg	-0.301	120
G314D	DA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.0015	0.0110
G314D	DA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	12	58	CI around median	0.002	0.00560
G314D	DA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	11	0	CB around linear reg	0.356	0.411
G314D	DA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	12	83	CI around median	0.001	0.00630
G314D	DA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	12	33	CB around linear reg	0.00943	0.0130
G314D	DA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.0002	0.00130
G314D	DA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	12	0	CB around linear reg	-0.00607	0.00150
G314D	DA	E006	pH (field)	SU	03/30/21 - 07/31/24	12	0	CB around linear reg	6.6/6.9	6.6/7.3
G314D	DA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	12	0	CI around geomean	1.26	1.60
G314D	DA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.001	0.00150
G314D	DA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	11	0	CI around mean	871	367
G314D	DA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	12	100	All ND - Last	0.002	0.00100
G314D	DA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	11	0	CI around median	1,800	1,010
G315	UA	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.003
G315	UA	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00430
G315	UA	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	0.00267	0.120

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G315	UA	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G315	UA	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	1.2	3.20
G315	UA	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G315	UA	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	-40.4	120
G315	UA	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.0110
G315	UA	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	93	CB around T-S line	0.000774	0.00560
G315	UA	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	7	CI around median	0.253	0.411
G315	UA	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	93	CI around median	0.001	0.00630
G315	UA	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	67	CB around T-S line	0.00153	0.0130
G315	UA	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.00130
G315	UA	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.00150
G315	UA	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.7/6.9	6.6/7.3
G315	UA	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around mean	0.169	1.60
G315	UA	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00150
G315	UA	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CB around T-S line	302	367
G315	UA	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.00100
G315	UA	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around mean	1,090	1,010
G316	LCU	E006	Antimony, total	mg/L	03/30/21 - 07/31/24	15	87	CB around T-S line	0.000493	0.003
G316	LCU	E006	Arsenic, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00758	0.00430
G316	LCU	E006	Barium, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.0672	0.120
G316	LCU	E006	Beryllium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G316	LCU	E006	Boron, total	mg/L	03/30/21 - 07/31/24	15	0	CI around mean	0.374	3.20
G316	LCU	E006	Cadmium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.001
G316	LCU	E006	Chloride, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	24	120
G316	LCU	E006	Chromium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0015	0.0110
G316	LCU	E006	Cobalt, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00207	0.00560
G316	LCU	E006	Fluoride, total	mg/L	03/30/21 - 07/31/24	15	47	CI around median	0.25	0.411

ATTACHMENT C.
COMPARISON OF STATISTICAL RESULTS TO BACKGROUND - QUARTER 3, 2024
845 QUARTERLY REPORT
COFFEEN POWER PLANT
ASH POND NO. 1
COFFEEN, IL

Well ID	HSU	Event	Parameter	Units	Date Range	Sample Count	Percent ND	Statistical Calculation	Statistical Result	Background
G316	LCU	E006	Lead, total	mg/L	03/30/21 - 07/31/24	15	93	CI around median	0.001	0.00630
G316	LCU	E006	Lithium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.003	0.0130
G316	LCU	E006	Mercury, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.0002	0.00130
G316	LCU	E006	Molybdenum, total	mg/L	03/30/21 - 07/31/24	15	0	CB around linear reg	0.00408	0.00150
G316	LCU	E006	pH (field)	SU	03/30/21 - 07/31/24	15	0	CI around mean	6.9/7.1	6.6/7.3
G316	LCU	E006	Radium 226 + Radium 228, total	pCi/L	03/30/21 - 07/31/24	14	0	CI around geomean	0.339	1.60
G316	LCU	E006	Selenium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.001	0.00150
G316	LCU	E006	Sulfate, total	mg/L	03/30/21 - 07/31/24	15	0	CI around median	662	367
G316	LCU	E006	Thallium, total	mg/L	03/30/21 - 07/31/24	15	100	All ND - Last	0.002	0.00100
G316	LCU	E006	Total Dissolved Solids	mg/L	03/30/21 - 07/31/24	15	0	CI around median	1,470	1,010

Notes:
Lower Confidence Limit (LCL) or Upper Confidence Limit (UCL) exceeded the statistical background value
HSU = hydrostratigraphic unit:
 DA = Deep Aquifer
 LCU = Lower Confining Unit
 UA = Uppermost Aquifer
mg/L = milligrams per liter
Missing Code (if applicable):
 NR¹ = Select parameters were not analyzed.
 NS¹ = This 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 = A sample was not collected because the location was inaccessible.
 NS⁴ = The location could not be found, therefore a sample was not collected.
 NS⁵ = A sample was not collected because of damage to the well.
 NS⁶ = A sample was not collected because of pump issues.
 NS⁷ = A sample was not collected because the well was either dry or was purged dry and did not recover.
 PM¹ = Select parameters were not analyzed as the well purged dry during sample collection and did not sufficiently recover to sample for all parameters.
ND = non-detect
pCi/L = picocuries per liter
SU = standard units
Sample Count = number of samples from Sampled Date Range used to calculate the Statistical Result
Statistical Calculation = method used to calculate the statistical result:
 All ND - Last = All results were below the reporting limit, and the last determined reporting limit is shown
 CB around T-S line = Confidence band around Thiel-Sen line
 CB around linear reg = Confidence band around linear regression
 CI around geomean = Confidence interval around the geometric mean
 CI around mean = Confidence interval around the mean
 CI around median = Confidence interval around the median
Statistical Result = calculated in accordance with the Statistical Analysis Plan using constituent concentrations observed at each monitoring well during all sampling events within the specified date range
For pH, the values presented are the lower / upper limits of the background determination